ELECTRONIC RECORD TARGET SHEET

SITE NAME:	**HORSESHOE ROAD**
CERCLIS ID:	**NJD980663678**
SDMS DOC ID:	**DOC ID 319436**
ALT. MEDIA TYPE:	**N/A**
DOCUMENT FORMAT:	**BCH, RES, SMP, TST**
NATIVE FORMAT LOCATION/FILENAME:	**200-1762-1_EQUARCADIS.BCH, 200-17642-1_EQUARCADIS.RES, 200-1762-1_EQUARCADIS.SMP, 200-1762-1_EQUARADIS.TST**
COMMENTS:	**FILES ARE ATTACHED TO THIS PDF**

319436

ELECTRONIC RECORD TARGET SHEET

SITE NAME:	**HORSESHOE ROAD**
CERCLIS ID:	**NJD980663678**
SDMS DOC ID:	**DOC ID 319436**
ALT. MEDIA TYPE:	**N/A**
DOCUMENT FORMAT:	**BCH, RES, SMP, TST**
NATIVE FORMAT LOCATION/FILENAME:	**200-1762-2_EQUARCADIS.BCH, 200-17642-2_EQUARCADIS.RES, 200-1762-2_EQUARCADIS.SMP, 200-1762-2_EQUARADIS.TST**
COMMENTS:	**FILES ARE ATTACHED TO THIS PDF**

ELECTRONIC RECORD TARGET SHEET

SITE NAME:	**HORSESHOE ROAD**
CERCLIS ID:	**NJD980663678**
SDMS DOC ID:	**DOC ID 319436**
ALT. MEDIA TYPE:	**N/A**
DOCUMENT FORMAT:	**BCH, RES, SMP, TST**
NATIVE FORMAT LOCATION/FILENAME:	**200-1762-3_EQUARCADIS.BCH, 200-17642-3_EQUARCADIS.RES, 200-1762-3_EQUARCADIS.SMP, 200-1762-3_EQUARADIS.TST**
COMMENTS:	**FILES ARE ATTACHED TO THIS PDF**

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

LABORATORY NAME TestAmerica Burlington
CITY/STATE 30 Community Drive Suite 11, South Burlington, Vermont
CASE NO. _____ SDG NO. 200-17642-1
SDG NOS. TO FOLLOW _____ _____ _____
MOD REF NO. _____
CONTRACT NO. _____
SOW NO. _____

All documents delivered in the Complete SDG File (CSF) must be original documents where possible. (Reference - Exhibit B Section 2.6)

		PAGE NOs.		CHECK	
		FROM	TO	LAB	REGION
1.	Inventory Sheet (DC-2)			✓	
2.	SDG Narrative	1	2	✓	
3.	Sample Log-In Sheet (DC-1)	N/A	N/A		
4.	Traffic Report/Chain of Custody Record(s)	N/A	N/A		
5.	Cover Page	3	3	✓	
Inorganic Analysis					
6.	Data Sheet (Form I-IN)	4	9	✓	
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	10	15	✓	
8.	Blanks (Form III-IN)	16	19	✓	
9.	ICP-AES Interference Check Sample (Form IVA-IN)	20	20	✓	
10.	ICP-MS Interference Check Sample (Form IVB-IN)	N/A	N/A		
11.	Matrix Spike Sample Recovery (Form VA-IN)	21	21	✓	
12.	Post-Digestion Spike Sample Recovery (Form VB-IN)	22	22	✓	
13.	Duplicates (Form VI-IN)	23	23	✓	
14.	Laboratory Control Sample (Form VII-IN)	24	24	✓	
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	25	25	✓	
16.	Method Detection Limit (Anually) (Form IX-IN)	26	28	✓	
17.	ICP-AES Interelement Correction Factors (Anually) (Form XA-IN)	29	29	✓	
18.	ICP-AES Interelement Correction Factors (Anually) (Form XB-IN)	30	35	✓	
19.	Internal Standard Association (Form XI-IN)	N/A	N/A		
20.	Preparation Log (Form XII-IN)	36	39	✓	
21.	Analysis Run Log (Form XIII-IN)	40	43	✓	
22.	ICP-MS Tune (Form XIV-IN)	N/A	N/A		

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
23. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	N/A	N/A		
24. Initial Calibration (Form XVI-IN)	44	50	✓	
25. ICP-AES Raw Data	68	145	✓	
26. ICP-MS Raw Data	N/A	N/A		
27. Mercury Raw Data	146	148	✓	
28. Cyanide Raw Data	149	151	✓	
29. Preparation Logs Raw Data	152	159	✓	
30. Percent Solids Determination Log	N/A	N/A		
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments _____)	N/A	N/A		
Sample Tags	N/A	N/A		
Sample Log-In Sheet (Lab)	N/A	N/A		
32. Misc. Shipping/Receiving Records (list all individual records)	N/A	N/A		
_____				
_____				
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
_____				
_____				
34. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records _____	N/A	N/A		
Analysis Records _____	N/A	N/A		
PE Instructions _____	N/A	N/A		
Description _____	N/A	N/A		
35. Other Records (describe or list)				
_____				
_____				
_____				

36. Comments

_____

_____

_____

Completed By: (CLP Lab)	_____ (Signature)	_____ (Print Name & Title)	_____ (Date)
Audited By: (USEPA)	_____ (Signature)	_____ (Print Name & Title)	_____ (Date)

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Atlantic Resources Corp

Report Number: 200-17642-1

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 07/24/2013 and 07/26/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4 ºC.

MERCURY
Samples TS003 (072413) and TS004 (072413) were analyzed for Mercury in accordance with EPA SOW ISM01.2. The samples were prepared on 07/29/2013 and analyzed on 07/30/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS
Samples TS003 (072413) and TS004 (072413) were analyzed for Metals in accordance with EPA SOW ISM01.2. The samples were prepared on 07/29/2013 and analyzed on 07/30/2013.

Aluminum was detected in method blank MB 200-59100/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Calcium, Thallium and Zinc were detected in method blank MB 200-59100/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Antimony and Selenium failed the recovery criteria low for the MS of sample TS004 (072413)MS in batch 200-59169.

Antimony, Beryllium, Cadmium, Selenium and Silver exceeded the RPD limit for the duplicate of sample TS004 (072413)DU. Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

CYANIDE

Samples TS003 (072413) and TS004 (072413) were analyzed for cyanide in accordance with EPA SOW ISM01.3. The samples were prepared and analyzed on 07/30/2013.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

USEPA - CLP
COVER PAGE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

SOW No.: ISM01.2

EPA Sample No.	Lab Sample ID
TS003 (072413)	200-17642-2
TS004 (072413)	200-17642-3
TS004	200-17642-3
TS004	200-17642-3

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-2
% Solids: 81.7 Date Received: 07/24/2013

Concentration Units (**ug/L, ug,** or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5000		E	P
7440-36-0	Antimony	0.58	J	N	P
7440-38-2	Arsenic	7.6			P
7440-39-3	Barium	19.9		E	P
7440-41-7	Beryllium	0.24	J		P
7440-43-9	Cadmium	0.14	J		P
7440-70-2	Calcium	2410		E	P
7440-47-3	Chromium	18.8		E	P
7440-48-4	Cobalt	1.9	J	E	P
7440-50-8	Copper	12.2			P
7439-89-6	Iron	15600		E	P
7439-92-1	Lead	23.6			P
7439-95-4	Magnesium	885		E	P
7439-96-5	Manganese	61.4		E	P
7440-02-0	Nickel	20.2			P
7440-09-7	Potassium	1210		E	P
7782-49-2	Selenium	1.0	J	N	P
7440-22-4	Silver	0.84	U		P
7440-23-5	Sodium	40.1	J		P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	24.2		E	P
7440-66-6	Zinc	40.4		E	P

Color Before: DARK BROWN Clarity Before: Texture: MEDIUM
Color After: TAN Clarity After: CLOUDY Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-2
% Solids: 81.7 Date Received: 07/24/2013

Concentration Units (**ug/L**, **ug**, or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.044	J		CV

Color Before: GRAY Clarity Before: CLOUDY Texture: FINE
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-2
% Solids: 81.7 Date Received: 07/24/2013

Concentration Units (**ug/L**, **ug**, or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.61	U		AS

Color Before: BROWN Clarity Before: Texture: FINE
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-3
% Solids: 85.6 Date Received: 07/24/2013

Concentration Units (**ug/L, ug,** or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6510		E	P
7440-36-0	Antimony	0.45	J	N	P
7440-38-2	Arsenic	9.3			P
7440-39-3	Barium	29.6		E	P
7440-41-7	Beryllium	0.25	J		P
7440-43-9	Cadmium	0.098	J		P
7440-70-2	Calcium	13200		E	P
7440-47-3	Chromium	12.4		E	P
7440-48-4	Cobalt	3.1	J	E	P
7440-50-8	Copper	11.3			P
7439-89-6	Iron	14400		E	P
7439-92-1	Lead	15.0			P
7439-95-4	Magnesium	1080		E	P
7439-96-5	Manganese	85.4		E	P
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	819		E	P
7782-49-2	Selenium	1.2	J	N	P
7440-22-4	Silver	0.41	J		P
7440-23-5	Sodium	90.2	J		P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	28.9		E	P
7440-66-6	Zinc	36.8		E	P

Color Before: DARK BROWN Clarity Before: Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-3
% Solids: 85.6 Date Received: 07/24/2013

Concentration Units (**ug/L**, **ug**, or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.020	J		CV

Color Before: GRAY Clarity Before: CLOUDY Texture: FINE
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764
Matrix: SOIL Lab Sample Id: 200-17642-3
% Solids: 85.6 Date Received: 07/24/2013

Concentration Units (**ug/L**, **ug**, or **mg/kg** dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.45	J		AS

Color Before: BROWN Clarity Before: Texture: FINE
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

USEPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: QATS ICV1-0307

Continuing Calibration Verification Source: INORGANIC VENTURES

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	999	989	99	800	791	99	773	97	P
Cadmium	496	486	98	800	793	99	790	99	P
Chromium	490	495	101	1600	1590	99	1570	98	P
Cobalt	499	522	105	2000	2010	101	2000	100	P
Selenium	1030	1010	98	800	796	100	782	98	P
Thallium	1030	1100	107	800	801	100	783	98	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: QATS ICV1-0307

Continuing Calibration Verification Source: INORGANIC VENTURES

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				800	776	97	787	98	P
Cadmium				800	792	99	800	100	P
Chromium				1600	1570	98	1590	99	P
Cobalt				2000	2000	100	2020	101	P
Selenium				800	786	98	793	99	P
Thallium				800	795	99	795	99	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: QATS ICV1-0307

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2520	2670	106	120000	119000	99	118000	98	P
Antimony	994	1000	101	1000	983	98	969	97	P
Barium	497	531	107	5000	5070	101	5040	101	P
Beryllium	495	510	103	2500	2570	103	2510	101	P
Calcium	10000	10700	107	120000	122000	102	119000	99	P
Copper	492	473	96	5000	4900	98	4890	98	P
Iron	5080	5280	104	120000	120000	100	120000	100	P
Lead	1000	1030	102	5000	5010	100	4910	98	P
Magnesium	6070	6340	104	120000	121000	101	118000	98	P
Manganese	499	533	107	5000	5040	101	5010	100	P
Nickel	503	532	106	5000	5030	101	4950	99	P
Potassium	10000	10200	102	40000	39600	99	39300	98	P
Silver	501	483	96	400	404	101	397	99	P
Sodium	10100	10200	101	40000	40000	100	39700	99	P
Vanadium	501	511	102	5000	4960	99	4960	99	P
Zinc	1030	1060	103	5000	5060	101	4990	100	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: QATS ICV1-0307

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				120000	119000	99	120000	100	P
Antimony				1000	971	97	978	98	P
Barium				5000	5070	101	5150	103	P
Beryllium				2500	2540	102	2560	103	P
Calcium				120000	121000	101	123000	102	P
Copper				5000	4870	97	4910	98	P
Iron				120000	121000	101	122000	102	P
Lead				5000	5000	100	5010	100	P
Magnesium				120000	121000	101	122000	102	P
Manganese				5000	4980	100	5040	101	P
Nickel				5000	4980	100	5020	100	P
Potassium				40000	39900	100	40400	101	P
Silver				400	402	100	411	103	P
Sodium				40000	39800	100	40400	101	P
Vanadium				5000	4950	99	5010	100	P
Zinc				5000	5010	100	5060	101	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: EPA ICV5-0508 HG

Continuing Calibration Verification Source: INORGANIC VENTURES

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	4.00	4.0	101	5.00	5.0	100	5.2	104	CV

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Initial Calibration Verification Source: QATS-- ICV6-0400

Continuing Calibration Verification Source: ERA-220811

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cyanide	99.0	101	102	200	202	101	205	102	AS

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	-6.8	J	30.9	J	22.7	J	22.8	J	5.5	J	P
Antimony	-1.1	J	60.0	U	60.0	U	1.5	J	6.0	U	P
Arsenic	-0.22	J	-0.35	J	10.0	U	-0.89	J	1.0	U	P
Barium	1.4	J	3.7	J	-0.81	J	0.56	J	20.0	U	P
Beryllium	5.0	U	0.60	J	0.43	J	0.47	J	0.50	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	0.50	U	P
Calcium	5000	U	43.2	J	5000	U	34.4	J	17.3	J	P
Chromium	10.0	U	0.29	J	0.25	J	0.25	J	1.0	U	P
Cobalt	0.38	J	0.42	J	0.15	J	0.32	J	5.0	U	P
Copper	25.0	U	1.2	J	1.1	J	1.0	J	2.5	U	P
Iron	100	U	25.2	J	18.9	J	22.6	J	10.0	U	P
Lead	-0.15	J	0.59	J	-0.59	J	1.9	J	1.0	U	P
Magnesium	5000	U	27.3	J	29.8	J	25.8	J	500	U	P
Manganese	15.0	U	0.97	J	0.73	J	0.81	J	1.5	U	P
Nickel	-0.40	J	-0.21	J	0.44	J	0.44	J	4.0	U	P
Potassium	-18	J	-19	J	-16	J	101	J	500	U	P
Selenium	2.2	J	0.59	J	3.0	J	2.8	J	3.5	U	P
Silver	0.19	J	10.0	U	-0.25	J	10.0	U	1.0	U	P
Sodium	5000	U	5000	U	5000	U	5000	U	500	U	P
Thallium	-2.1	J	-0.50	J	-0.59	J	-1.3	J	-0.44	J	P
Vanadium	-0.11	J	0.94	J	0.40	J	0.61	J	5.0	U	P
Zinc	60.0	U	0.64	J	60.0	U	0.58	J	0.36	J	P

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Blank Matrix (soil/water/wipe/filter):

Preparation Blank Concentration Units (ug/L, ug, or mg/kg):

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			31.4	J							P
Antimony			0.47	J							P
Arsenic			-0.36	J							P
Barium			0.74	J							P
Beryllium			0.49	J							P
Cadmium			5.0	U							P
Calcium			5000	U							P
Chromium			10.0	U							P
Cobalt			-0.065	J							P
Copper			1.2	J							P
Iron			22.6	J							P
Lead			0.98	J							P
Magnesium			38.4	J							P
Manganese			0.87	J							P
Nickel			0.72	J							P
Potassium			83.4	J							P
Selenium			2.5	J							P
Silver			-0.27	J							P
Sodium			5000	U							P
Thallium			-0.060	J							P
Vanadium			0.81	J							P
Zinc			60.0	U							P

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Mercury	0.20	U	-0.18	J	0.20	U			0.10	U	CV

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Cyanide	10.0	U	10.0	U	10.0	U			0.50	U	AS

USEPA - CLP
4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 ICSA Source: QATS ICP-AES ICSA-1206

ICSB Source: QATS ICSB-0710

Concentration Units: ug/L

Analyte	True		Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Aluminum	244000	248000	251000	103	251000	101
Antimony	0	613	3.9		615	100
Arsenic	0	101	-1.5		100	99
Barium	2.00	517	4.0	199	514	99
Beryllium	0	504	0.71		513	102
Cadmium	0	989	1.3		1000	101
Calcium	235000	244000	255000	109	255000	105
Chromium	43.0	519	44.3	103	535	103
Cobalt	4.00	481	5.5	137	508	106
Copper	23.0	550	23.6	103	513	93
Iron	95600	96800	99000	104	99200	102
Lead	10.0	58.0	9.2	92	57.8	100
Magnesium	248000	249000	258000	104	257000	103
Manganese	19.0	507	18.8	99	541	107
Nickel	21.0	983	24.3	116	1020	104
Potassium	0	0	-18		-33	
Selenium	0	51.0	7.4		54.1	106
Silver	0	205	-1.0		197	96
Sodium	0	0	814		817	
Thallium	0	99.0	0.68		109	110
Vanadium	0	488	-1.6		507	104
Zinc	28.0	986	27.6	99	1070	109

USEPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
TS004 (072413)S

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Matrix: SOIL

% Solids for Sample: 85.6

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	5.6		0.45	J	16.2	31	N	P
Arsenic	75-125	14.4		9.3		6.49	78		P
Barium	75-125	299		29.6		325	83		P
Beryllium	75-125	7.1		0.25	J	8.11	85		P
Cadmium	75-125	6.7		0.098	J	8.11	81		P
Chromium	75-125	39.0		12.4		32.5	82		P
Cobalt	75-125	71.0		3.1	J	81.1	84		P
Copper	75-125	43.8		11.3		40.6	80		P
Lead		14.9		15.0		3.25	-6		P
Manganese	75-125	150		85.4		81.1	80		P
Nickel	75-125	72.5		4.9		81.1	83		P
Selenium	75-125	7.1		1.2	J	8.11	73	N	P
Silver	75-125	7.0		0.41	J	8.11	81		P
Thallium	75-125	6.6		2.1	U	8.11	81		P
Vanadium	75-125	94.3		28.9		81.1	81		P
Zinc	75-125	102		36.8		81.1	80		P

Comments:

USEPA - CLP

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

TS004 (072413)A

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Matrix: SOIL

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		8.8		0.45	J	10.1	83		P
Selenium		5.5		1.2	J	5.88	74		P

Comments:

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.
TS004 (072413)D

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Matrix: SOIL

% Solids for Sample: 85.6

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6510		6340		3		P
Antimony		0.45	J	0.50	J	11		P
Arsenic		9.3		8.3		12		P
Barium	16.8	29.6		29.4		1		P
Beryllium		0.25	J	0.23	J	6		P
Cadmium		0.098	J	0.093	J	5		P
Calcium		13200		11200		16		P
Chromium		12.4		12.7		2		P
Cobalt		3.1	J	3.1	J	1		P
Copper		11.3		13.7		19		P
Iron		14400		13600		5		P
Lead		15.0		12.4		20		P
Magnesium	420	1080		1130		4		P
Manganese		85.4		90.8		6		P
Nickel	3.4	4.9		5.1		4		P
Potassium	420	819		790		4		P
Selenium		1.2	J	0.87	J	29		P
Silver		0.41	J	0.35	J	16		P
Sodium		90.2	J	63.8	J	34		P
Thallium		2.1	U	2.1	U			P
Vanadium		28.9		26.1		10		P
Zinc		36.8		32.4		13		P

USEPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Analyte	Aqueous/Water (ug/L), Soil/Sediment (mg/kg), Wipe/Filter (ug)		
	True	Found	%R
Aluminum	40.0	44.1	110
Antimony	12.0	11.5	96
Arsenic	2.00	1.8	92
Barium	40.0	40.8	102
Beryllium	1.00	0.96	96
Cadmium	1.00	1.0	102
Calcium	1000	1040	104
Chromium	2.00	2.0	99
Cobalt	10.0	10.1	101
Copper	5.00	4.9	97
Iron	20.0	19.2	96
Lead	2.00	1.9	96
Magnesium	1000	1020	102
Manganese	3.00	3.1	104
Nickel	8.00	8.2	102
Potassium	1000	997	100
Selenium	7.00	6.6	94
Silver	2.00	2.0	100
Sodium	1000	984	98
Thallium	5.00	4.6	92
Vanadium	10.0	10.1	101
Zinc	12.0	12.4	103

USEPA - CLP
8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.
TS004 (072413)L

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Matrix: SOIL

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6510		7600		17	E	P
Antimony	0.45	J	25.2	U	100		P
Arsenic	9.3		11.0		18		P
Barium	29.6		34.8	J	18	E	P
Beryllium	0.25	J	0.31	J	26		P
Cadmium	0.098	J	0.15	J	54		P
Calcium	13200		15700		19	E	P
Chromium	12.4		14.6		18	E	P
Cobalt	3.1	J	3.6	J	18	E	P
Copper	11.3		12.9		14		P
Iron	14400		16900		18	E	P
Lead	15.0		15.4		2		P
Magnesium	1080		1300	J	20	E	P
Manganese	85.4		99.8		17	E	P
Nickel	4.9		6.1	J	26		P
Potassium	819		971	J	18	E	P
Selenium	1.2	J	2.3	J	95		P
Silver	0.41	J	4.2	U	100		P
Sodium	90.2	J	104	J	15		P
Thallium	2.1	U	10.5	U			P
Vanadium	28.9		33.2		15	E	P
Zinc	36.8		43.2		17	E	P

USEPA - CLP
9-IN
METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument Type: P Instrument ID: METICP7 Date: 10/22/2012

Preparation Method: 3050B

Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Aluminum	396.152	3.1
Antimony	206.833	0.19
Arsenic	189.042	0.37
Barium	233.527	0.25
Beryllium	313.042	0.011
Cadmium	228.802	0.026
Calcium	318.128	3.7
Chromium	205.552	0.049
Cobalt	228.616	0.036
Copper	324.754	0.35
Iron	271.441	4.2
Lead	220.353	0.21
Magnesium	279.079	2.6
Manganese	257.610	0.068
Nickel	231.604	0.26
Potassium	766.490	6.8
Selenium	196.090	0.44
Silver	328.068	0.098
Sodium	589.592	4.7
Thallium	190.856	0.20
Vanadium	292.402	0.056
Zinc	213.856	0.20

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument Type: CV Instrument ID: MEPCV3 II Date: 01/01/2009

Preparation Method: 7471B

Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Mercury	253.7	0.024

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument Type: AS Instrument ID: WCLACHAT Date: 03/15/2013

Preparation Method: Midi-distillation

Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Cyanide	570	0.14

Comments:

USEPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000107	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000893	0.0000000	0.0000501	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000318	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0002133	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0001512	0.0000000	0.0000000

Comments:

USEPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0111580	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	In	K
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0051723	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	-0.0095362	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0738315	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0021556	0.0000000	0.0000000

Comments:

USEPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: Mn	Mo	Na	Ni	P
Aluminum	396.152	0.0000000	0.0279595	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0015944	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0104649	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0046605	0.0000000

Comments:

USEPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Si	Sn
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sr	Ti	Tl	V	Y
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	-0.0009707	0.0000000	0.0003259	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.128	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0025030	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0007300	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0007072	0.0000000	-0.0095938	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA - CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

ICP-AES Instrument ID: METICP7 Date: 12/21/2012

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Aluminum	396.152	0.0000000				
Antimony	206.833	0.0000000				
Arsenic	189.042	0.0000000				
Barium	233.527	0.0000000				
Beryllium	313.042	0.0000000				
Cadmium	228.802	0.0000000				
Calcium	318.128	0.0000000				
Chromium	205.552	0.0000000				
Cobalt	228.616	0.0000000				
Copper	324.754	0.0000000				
Iron	271.441	0.0000000				
Lead	220.353	0.0000000				
Magnesium	279.079	0.0000000				
Manganese	257.610	0.0000000				
Nickel	231.604	0.0000000				
Potassium	766.490	0.0000000				
Selenium	196.090	0.0000000				
Silver	328.068	0.0000000				
Sodium	589.592	0.0000000				
Thallium	190.856	0.0000000				
Vanadium	292.402	0.0000000				
Zinc	213.856	0.0000000				

Comments:

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Method: 3050B

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
LCSG8	07/29/2013	1.00	100.00
PBSG8	07/29/2013	1.00	100.00
TS003 (072413)	07/29/2013	1.46	100.00
TS004 (072413)	07/29/2013	1.39	100.00
TS004 (072413)D	07/29/2013	1.42	100.00
TS004 (072413)S	07/29/2013	1.44	100.00

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Method: 7471B

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
CCB		100	100
CCV		100	100
ICB		100	100
ICV		100	100
PBSE1		0.50	100
S0		100	100
S0.2		100	100
S0.5		100	100
S1		100	100
S10		100	100
S5		100	100
TS003 (072413)		0.52	100
TS004 (072413)		0.57	100

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Method: Midi-distillation

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
CCB	07/30/2013	50	50
CCV	07/30/2013	50	50
ICB	07/30/2013	50	50
ICV	07/30/2013	50	50
S0	07/30/2013	50	50
S10	07/30/2013	50	50
S100	07/30/2013	50	50
S200	07/30/2013	50	50
S400	07/30/2013	50	50
S50	07/30/2013	50	50

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Preparation Method: Midi-distillation

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
PBSA4	07/30/2013	1.00	50
TS003 (072413)	07/30/2013	1.00	50
TS004 (072413)	07/30/2013	1.01	50

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: METICP7 Analysis Method: P

Start Date: 07/30/2013 End Date: 07/31/2013

EPA Sample No.	D/F	Time	Analytes																					
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	K	MG	MN	NA	NI	PB	SB	SE	TL	V	ZN	
S0	1.0	1900	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1908	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1916	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1924	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1932	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1939	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1947	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
S	1.0	1956	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV	1.0	2004	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB	1.0	2011	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA	1.0	2019	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB	1.0	2027	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVX8	1.0	2035	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCBX8	1.0	2043	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	2051																							
ZZZZZZ	1.0	2059																							
ZZZZZZ	1.0	2107																							
ZZZZZZ	1.0	2115																							
ZZZZZZ	1.0	2123																							
ZZZZZZ	1.0	2131																							
ZZZZZZ	1.0	2139																							
ZZZZZZ	1.0	2147																							
ZZZZZZ	1.0	2155																							
ZZZZZZ	1.0	2203																							
CCVX9	1.0	2211	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCBX9	1.0	2219	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	2227																							
ZZZZZZ	1.0	2235																							
ZZZZZZ	1.0	2243																							
ZZZZZZ	1.0	2251																							
CCVY1	1.0	2259	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCBY1	1.0	2307	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PBSG8	1.0	2315	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSG8	1.0	2323	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TS003 (072413)	1.0	2331	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TS004 (072413)	1.0	2339	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TS004 (072413) L	5.0	2346	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: METICP7 Analysis Method: P

Start Date: 07/30/2013 End Date: 07/31/2013

EPA Sample No.	D/F	Time	Analytes																						
			AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	K	MG	MN	NA	NI	PB	SB	SE	TL	V	ZN	
TS004 (072413) A	1.0	2354																		X	X				
TS004 (072413) D	1.0	0002	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TS004 (072413) S	1.0	0010	X		X	X	X		X	X	X	X				X		X	X	X	X	X	X	X	
CCVY2	1.0	0018	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCBY2	1.0	0025	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	0033																							
ZZZZZZ	1.0	0041																							
ZZZZZZ	1.0	0049																							
ZZZZZZ	1.0	0057																							

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: MEPCV3 II Analysis Method: CV

Start Date: 07/30/2013 End Date: 07/30/2013

EPA Sample No.	D/F	Time	Analytes																						
			HG																						
S0	1.0	1101	X																						
S0.2	1.0	1104	X																						
S0.5	1.0	1107	X																						
S1	1.0	1109	X																						
S5	1.0	1111	X																						
S10	1.0	1113	X																						
ICV	1.0	1116	X																						
ICB	1.0	1119	X																						
CCVP9	1.0	1121	X																						
CCBP9	1.0	1123	X																						
PBSE1	1.0	1125	X																						
ZZZZZZ	1.0	1127																							
ZZZZZZ	1.0	1131																							
ZZZZZZ	1.0	1133																							
TS003 (072413)	1.0	1135	X																						
TS004 (072413)	1.0	1137	X																						
CCVQ1	1.0	1140	X																						
CCBQ1	1.0	1142	X																						

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: WCLACHAT Analysis Method: AS

Start Date: 07/30/2013 End Date: 07/30/2013

EPA Sample No.	D/F	Time	Analytes																						
			CN																						
S0	1.0	1459	X																						
S10	1.0	1501	X																						
S50	1.0	1502	X																						
S100	1.0	1503	X																						
S200	1.0	1504	X																						
S400	1.0	1505	X																						
ICV	1.0	1506	X																						
ICB	1.0	1507	X																						
CCVB5	1.0	1508	X																						
CCBB5	1.0	1510	X																						
ZZZZZZ	1.0	1511																							
PBSA4	1.0	1512	X																						
ZZZZZZ	1.0	1513																							
ZZZZZZ	1.0	1514																							
ZZZZZZ	1.0	1515																							
ZZZZZZ	1.0	1516																							
ZZZZZZ	1.0	1517																							
ZZZZZZ	1.0	1519																							
TS003 (072413)	1.0	1520	X																						
TS004 (072413)	1.0	1521	X																						
CCVB6	1.0	1522	X																						
CCBB6	1.0	1523	X																						

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: METICP7 Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.0	-0.0200		200	213.800	7	400	411.600	3
Antimony	0.0	0		60.0	59.7000	-1	120	119.400	-1
Arsenic	0.0	0		10.0	10.1400	1	20.0	18.7400	-6
Barium	0.0	-0.0200		200	205.200	3	400	410.100	3
Beryllium	0.0	0		5.0	5.11000	2	10.0	10.2400	2
Cadmium	0.0	0		5.0	4.84000	-3	10.0	9.83000	-2
Calcium	0.0	-0.3100		2500	2618.00	5	5000	5191.00	4
Chromium	0.0	0		10.0	10.2000	2	20.0	20.1500	1
Cobalt	0.0	0		50.0	51.2700	3	100	102.800	3
Copper	0.0	0		25.0	23.0200	-8	50.0	46.5900	-7
Iron	0.0	0		100	98.8700	-1	200	200.700	0
Lead	0.0	0		10.0	10.5400	5	20.0	20.6300	3
Magnesium	0.0	-0.2100		2500	2583.00	3	5000	5152.00	3
Manganese	0.0	0		15.0	15.9600	6	30.0	31.8100	6
Nickel	0.0	0		40.0	41.7200	4	80.0	82.4100	3
Potassium	0.0	0		2500	2521.00	1	5000	4989.00	0
Selenium	0.0	0		17.5	20.4700	17	35.0	36.8100	5
Silver	0.0	0		10.0	9.96000	0	20.0	19.6700	-2
Sodium	0.0	0.07000		2500	2471.00	-1	5000	4944.00	-1
Thallium	0.0	0		25.0	26.9800	8	50.0	54.2400	8
Vanadium	0.0	0		50.0	50.0900	0	100	99.4800	-1
Zinc	0.0	-0.0100		60.0	62.2600	4	120	125.800	5

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: METICP7 Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	60000	59710.0	0	120000	119800	0	180000	179800	0
Antimony	500	487.700	-2	1000	988.200	-1	1500	1496.00	0
Arsenic	400	391.400	-2	800	793.400	-1	1200	1192.00	-1
Barium	2500	2581.00	3	5000	5095.00	2	7500	7540.00	1
Beryllium	1250	1281.00	2	2500	2565.00	3	3750	3802.00	1
Cadmium	400	392.700	-2	800	793.300	-1	1200	1192.00	-1
Calcium	60000	61890.0	3	120000	122300	2	180000	181100	1
Chromium	800	798.900	0	1600	1598.00	0	2400	2391.00	0
Cobalt	1000	1006.00	1	2000	2009.00	0	3000	2990.00	0
Copper	2500	2430.00	-3	5000	4969.00	-1	7500	7559.00	1
Iron	60000	60340.0	1	120000	120400	0	180000	180100	0
Lead	2500	2532.00	1	5000	5069.00	1	7500	7491.00	0
Magnesium	60000	60920.0	2	120000	121200	1	180000	180600	0
Manganese	2500	2577.00	3	5000	5043.00	1	7500	7505.00	0
Nickel	2500	2540.00	2	5000	5045.00	1	7500	7494.00	0
Potassium	20000	19920.0	0	40000	39840.0	0	60000	59770.0	0
Selenium	400	401.400	0	800	802.700	0	1200	1197.00	0
Silver	200	203.700	2	400	403.800	1	600	602.400	0
Sodium	20000	19900.0	-1	40000	39980.0	0	60000	59920.0	0
Thallium	400	405.700	1	800	813.500	2	1200	1203.00	0
Vanadium	2500	2447.00	-2	5000	4958.00	-1	7500	7464.00	0
Zinc	2500	2546.00	2	5000	5081.00	2	7500	7539.00	1

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: METICP7 Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	240000	240100	0	300000	300600	0			
Antimony	2000	2000.00	0	2500	2530.00	1			
Arsenic	1600	1603.00	0	2000	2022.00	1			
Barium	10000	9954.00	0	12500	12310.0	-2			
Beryllium	5000	4954.00	-1	6250	6148.00	-2			
Cadmium	1600	1600.00	0	2000	2023.00	1			
Calcium	240000	238700	-1	300000	295700	-1			
Chromium	3200	3189.00	0	4000	4023.00	1			
Cobalt	4000	3983.00	0	5000	5009.00	0			
Copper	10000	9915.00	-1	12500	12630.0	1			
Iron	240000	239900	0	300000	299300	0			
Lead	10000	9901.00	-1	12500	12510.0	0			
Magnesium	240000	239400	0	300000	297700	-1			
Manganese	10000	9892.00	-1	12500	12480.0	0			
Nickel	10000	9942.00	-1	12500	12470.0	0			
Potassium	80000	80050.0	0	100000	100400	0			
Selenium	1600	1594.00	0	2000	2000.00	0			
Silver	800	798.800	0	1000	991.700	-1			
Sodium	80000	79900.0	0	100000	100400	0			
Thallium	1600	1581.00	-1	2000	1990.00	-1			
Vanadium	10000	10000.0	0	12500	12630.0	1			
Zinc	10000	9941.00	-1	12500	12380.0	-1			

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: MEPCV3 II Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Mercury	0.0	-0.0202		0.20	0.19739	-1	0.50	0.52160	4

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: MEPCV3 II Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Mercury	1.0	0.96242	-4	5.0	5.07314	1	10.0	9.96425	0

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: WCLACHAT Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0.0	-0.6951		10.0	9.24832	-8	50.0	50.3294	1

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref. No.: SDG No.: 200-1764

Instrument ID: WCLACHAT Start Date: 07/30/2013

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	101.158	1	200	200.676	0	400	399.476	0

Control Limits ±30

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME5PPMAGw_00032	11/15/13	05/29/13	DI WATER, Lot na	500 mL	MEHCLACIDs_00122	50 mL	Hydrogen Chloride	100000000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
.MEHCLACIDs_00122	11/08/14	Macron, Lot 0000024317			(Purchased Reagent)		Hydrogen Chloride	1 mL/mL
.MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
MECLPAESCRIs_00008	08/01/14	Inorganic Ventures, Lot E2-MEB398136			(Purchased Reagent)		Antimony	6 ug/mL
							Selenium	3.5 ug/mL
MEEPAICVw_00246	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEEPAICVs_00020	10 mL	Aluminum	2521 ug/L
							Antimony	994 ug/L
							Arsenic	999 ug/L
							Barium	497 ug/L
							Beryllium	495 ug/L
							Cadmium	496 ug/L
							Calcium	10026 ug/L
							Chromium	490 ug/L
							Cobalt	499 ug/L
							Copper	492 ug/L
							Iron	5082 ug/L
							Lead	1002 ug/L
							Magnesium	6074 ug/L
							Manganese	499 ug/L
							Nickel	503 ug/L
							Potassium	10021 ug/L
							Selenium	1029 ug/L
							Silver	501 ug/L
							Sodium	10097 ug/L
							Thallium	1028 ug/L
							Vanadium	501 ug/L
							Zinc	1025 ug/L
.MEEPAICVs_00020	12/08/13	QATS ICV1-0307, Lot 0307			(Purchased Reagent)		Aluminum	25210 ug/L
							Antimony	9940 ug/L
							Arsenic	9990 ug/L
							Barium	4970 ug/L
							Beryllium	4950 ug/L
							Cadmium	4960 ug/L
							Calcium	100260 ug/L
							Chromium	4900 ug/L
							Cobalt	4990 ug/L
							Copper	4920 ug/L
							Iron	50820 ug/L
							Lead	10020 ug/L
							Magnesium	60740 ug/L
							Manganese	4990 ug/L
							Nickel	5030 ug/L
							Potassium	100210 ug/L
							Selenium	10290 ug/L
							Silver	5010 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sodium	100970 ug/L
							Thallium	10280 ug/L
							Vanadium	5010 ug/L
							Zinc	10250 ug/L
mehgccvw_00674	07/30/13	07/29/13	DI WATER, Lot 00645	100 mL	MEHGCCVi_00025	1 mL	Nitric acid	1515000 ppb
							Mercury	100 ppb
					MEHNO3s_00104	0.15 mL	Nitric acid	1515000 ppb
.MEHGCCVi_00025	01/03/14	07/03/13	HNO3, Lot na	200 mL	MEHNO3s_00104	0.3 mL	Nitric acid	1500000 ppb
					MEIVHGs_00006	2 mL	Mercury	10000 ppb
..MEHNO3s_00104	12/28/13	Macron, Lot 31507			(Purchased Reagent)		Nitric acid	1 mL/mL
..MEIVHGs_00006	01/15/14	Inorganic Ventures, Lot F2-HG02096			(Purchased Reagent)		Mercury	1000 ug/mL
.MEHNO3s_00104	12/28/13	Macron, Lot 31507			(Purchased Reagent)		Nitric acid	1 mL/mL
MEHGISMICVw_00067	08/29/13	07/29/13	HNO3, Lot 287274	50 mL	MEHGISMICVs_00008	5 mL	Mercury	40 ppb
.MEHGISMICVs_00008	08/29/13	EPA, Lot ICV5-0508 Hg			(Purchased Reagent)		Mercury	400 ppb
MEISMAg_00008	11/26/13	06/20/13	HCL, Lot 127117	100 mL	MEHCLACIDs_00108	10 mL	Hydrogen Chloride	100000000 ppb
					MEIVAGs_00008	0.2 mL	Silver	2000 ppb
.MEHCLACIDs_00108	01/16/14	Macron, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	1 mL/mL
.MEIVAGs_00008	11/26/13	Inorganic Ventures, Lot E2-AG03019			(Purchased Reagent)		Silver	1000 ug/mL
MEISMCAL1w_00100	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEISMCALi_00050	6.25 mL	Silver	10 ppb
							Barium	200 ppb
							Beryllium	5 ppb
							Calcium	2500 ppb
							Cadmium	5 ppb
							Chromium	10 ppb
							Iron	100 ppb
							Manganese	15 ppb
							Lead	10 ppb
							Antimony	60 ppb
							Selenium	17.5 ppb
							Zinc	60 ppb
							Aluminum	200 ppb
							Arsenic	10 ppb
							Cobalt	50 ppb
							Copper	25 ppb
							Potassium	2500 ppb
							Magnesium	2500 ppb
							Sodium	2500 ppb
							Nickel	40 ppb
							Thallium	25 ppb
							Vanadium	50 ppb
.MEISMCALi_00050	11/02/13	07/11/13	DI WATER, Lot na	2000 mL	MEIVAGs_00008	0.32 mL	Silver	160 ppb
					MEIVBAs_00010	6.4 mL	Barium	3200 ppb
					MEIVBEs_00007	0.16 mL	Beryllium	80 ppb
					MEIVCAwHRDs_00005	8 mL	Calcium	40000 ppb
					MEIVCDs_00008	0.16 mL	Cadmium	80 ppb
					MEIVCRs_00007	0.32 mL	Chromium	160 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MEIVFEs_00007	0.32 mL	Iron	1600 ppb
					MEIVMNs_00006	0.48 mL	Manganese	240 ppb
					MEIVPBs_00011	0.32 mL	Lead	160 ppb
					MEIVSBs_00007	1.92 mL	Antimony	960 ppb
					MEIVSEs_00008	0.56 mL	Selenium	280 ppb
					MEIVZNs_00008	1.92 mL	Zinc	960 ppb
					MESPEXALs_00009	0.64 mL	Aluminum	3200 ppb
					MESPEXASs_00006	0.32 mL	Arsenic	160 ppb
					MESPEXCOs_00012	1.6 mL	Cobalt	800 ppb
					MESPEXCUs_00012	0.8 mL	Copper	400 ppb
					MESPEXKs_00011	8 mL	Potassium	40000 ppb
					MESPEXMGwHRDs_00008	8 mL	Magnesium	40000 ppb
					MESPEXNAs_00013	8 mL	Sodium	40000 ppb
					MESPEXNIs_00012	1.28 mL	Nickel	640 ppb
					MESPEXTLs_00009	0.8 mL	Thallium	400 ppb
					MESPEXVs_00006	1.6 mL	Vanadium	800 ppb
..MEIVAGs_00008	11/26/13	Inorganic Ventures, Lot E2-AG03019			(Purchased Reagent)		Silver	1000 ug/mL
..MEIVBAs_00010	08/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Barium	1000 ug/mL
..MEIVBEs_00007	08/01/14	Inorganic Ventures, Lot F2-BE02021			(Purchased Reagent)		Beryllium	1000 ppm
..MEIVCAwHRDs_00005	01/02/14	Inorganic Ventures, Lot F2-CA04053			(Purchased Reagent)		Calcium	10000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVFEs_00007	11/26/13	Inorganic Ventures, Lot F2-FE04007			(Purchased Reagent)		Iron	10000 ppm
..MEIVMNs_00006	11/26/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ug/mL
..MEIVPBs_00011	01/02/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ug/mL
..MEIVSBs_00007	06/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVZNs_00008	11/26/13	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 ug/mL
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXASs_00006	11/15/13	Spex, Lot 18-131ASX			(Purchased Reagent)		Arsenic	1000 mg/L
..MESPEXCOs_00012	02/22/14	Spex, Lot 18-34COY			(Purchased Reagent)		Cobalt	1000 mg/L
..MESPEXCUs_00012	02/22/14	Spex, Lot 18-121CUY			(Purchased Reagent)		Copper	1000 mg/L
..MESPEXKs_00011	04/30/14	Spex, Lot AH14-93K			(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14	SPEX, Lot AE14-188MGX			(Purchased Reagent)		Magnesium	10000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXTLs_00009	04/30/14	Spex, Lot 18-160TLY			(Purchased Reagent)		Thallium	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
MEISMCAL2w_00098	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot NA	100 mL	MEISMCALi_00050	12.5 mL	Silver	20 ppb
							Barium	400 ppb
							Beryllium	10 ppb
							Calcium	5000 ppb
							Cadmium	10 ppb
							Chromium	20 ppb
							Iron	200 ppb
							Manganese	30 ppb
							Lead	20 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Antimony	120 ppb
							Selenium	35 ppb
							Zinc	120 ppb
							Aluminum	400 ppb
							Arsenic	20 ppb
							Cobalt	100 ppb
							Copper	50 ppb
							Potassium	5000 ppb
							Magnesium	5000 ppb
							Sodium	5000 ppb
							Nickel	80 ppb
							Thallium	50 ppb
							Vanadium	100 ppb
.MEISMCALi_00050	11/02/13	07/11/13	DI WATER, Lot na	2000 mL	MEIVAGs_00008	0.32 mL	Silver	160 ppb
					MEIVBAs_00010	6.4 mL	Barium	3200 ppb
					MEIVBEs_00007	0.16 mL	Beryllium	80 ppb
					MEIVCAwHRDs_00005	8 mL	Calcium	40000 ppb
					MEIVCDs_00008	0.16 mL	Cadmium	80 ppb
					MEIVCRs_00007	0.32 mL	Chromium	160 ppb
					MEIVFEs_00007	0.32 mL	Iron	1600 ppb
					MEIVMNs_00006	0.48 mL	Manganese	240 ppb
					MEIVPBs_00011	0.32 mL	Lead	160 ppb
					MEIVSBs_00007	1.92 mL	Antimony	960 ppb
					MEIVSEs_00008	0.56 mL	Selenium	280 ppb
					MEIVZNs_00008	1.92 mL	Zinc	960 ppb
					MESPEXALs_00009	0.64 mL	Aluminum	3200 ppb
					MESPEXASs_00006	0.32 mL	Arsenic	160 ppb
					MESPEXCOs_00012	1.6 mL	Cobalt	800 ppb
					MESPEXCUs_00012	0.8 mL	Copper	400 ppb
					MESPEXKs_00011	8 mL	Potassium	40000 ppb
					MESPEXMGwHRDs_00008	8 mL	Magnesium	40000 ppb
					MESPEXNAs_00013	8 mL	Sodium	40000 ppb
					MESPEXNIs_00012	1.28 mL	Nickel	640 ppb
					MESPEXTLs_00009	0.8 mL	Thallium	400 ppb
					MESPEXVs_00006	1.6 mL	Vanadium	800 ppb
..MEIVAGs_00008	11/26/13	Inorganic Ventures, Lot E2-AG03019			(Purchased Reagent)		Silver	1000 ug/mL
..MEIVBAs_00010	08/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Barium	1000 ug/mL
..MEIVBEs_00007	08/01/14	Inorganic Ventures, Lot F2-BE02021			(Purchased Reagent)		Beryllium	1000 ppm
..MEIVCAwHRDs_00005	01/02/14	Inorganic Ventures, Lot F2-CA04053			(Purchased Reagent)		Calcium	10000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVFEs_00007	11/26/13	Inorganic Ventures, Lot F2-FE04007			(Purchased Reagent)		Iron	10000 ppm
..MEIVMNs_00006	11/26/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ug/mL
..MEIVPBs_00011	01/02/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ug/mL
..MEIVSBs_00007	06/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVZNs_00008	11/26/13	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 ug/mL
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MESPEXASs_00006	11/15/13		Spex, Lot 18-131ASX		(Purchased Reagent)		Arsenic	1000 mg/L
..MESPEXCOs_00012	02/22/14		Spex, Lot 18-34COY		(Purchased Reagent)		Cobalt	1000 mg/L
..MESPEXCUs_00012	02/22/14		Spex, Lot 18-121CUY		(Purchased Reagent)		Copper	1000 mg/L
..MESPEXKs_00011	04/30/14		Spex, Lot AH14-93K		(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14		SPEX, Lot AE14-188MGX		(Purchased Reagent)		Magnesium	10000 mg/L
..MESPEXNAs_00013	04/30/14		SPEX, Lot AG14-125NAX		(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14		SPEX, Lot 18-50NIX		(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXTLs_00009	04/30/14		Spex, Lot 18-160TLY		(Purchased Reagent)		Thallium	1000 mg/L
..MESPEXVs_00006	11/15/13		Spex, Lot 17-18V		(Purchased Reagent)		Vanadium	1000 ppm
MEISMCAL3w_00098	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEISMOESCALBs_00008	4 mL	Arsenic	400 ppb
							Cadmium	400 ppb
							Cobalt	1000 ppb
							Chromium	800 ppb
							Selenium	400 ppb
							Thallium	400 ppb
							Silver	200 ppb
							Beryllium	1250 ppb
							Manganese	2500 ppb
							Sodium	20000 ppb
							Nickel	2500 ppb
							Lead	2500 ppb
							Antimony	500 ppb
							Vanadium	2500 ppb
							Zinc	2500 ppb
					MEOESISMCALAs_00004	4 mL	Aluminum	60000 ppb
							Barium	2500 ppb
							Calcium	60000 ppb
							Copper	2500 ppb
							Iron	60000 ppb
							Potassium	20000 ppb
							Magnesium	60000 ppb
.MEISMOESCALBs_00008	10/16/13	06/28/13	DI WATER, Lot NA	500 mL	MEIVASs_00006	5 mL	Arsenic	10000 ppb
					MEIVCDs_00008	5 mL	Cadmium	10000 ppb
					MEIVCOs_00007	12.5 mL	Cobalt	25000 ppb
					MEIVCRs_00007	10 mL	Chromium	20000 ppb
					MEIVSEs_00008	5 mL	Selenium	10000 ppb
					MEIVTLs_00010	5 mL	Thallium	10000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
					MESPEXBEs_00009	15.625 mL	Beryllium	31250 ppb
					MESPEXMNs_00012	31.25 mL	Manganese	62500 ppb
					MESPEXNAs_00013	25 mL	Sodium	500000 ppb
					MESPEXNIs_00012	31.25 mL	Nickel	62500 ppb
					MESPEXPBs_00011	31.25 mL	Lead	62500 ppb
					MESPEXSBs_00007	6.25 mL	Antimony	12500 ppb
					MESPEXVs_00006	31.25 mL	Vanadium	62500 ppb
					MESPEXZNs_00007	31.25 mL	Zinc	62500 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
..MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
..MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L
..MESPEXMNs_00012	04/30/14	Spex, Lot 18-33MNY			(Purchased Reagent)		Manganese	1000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXPBs_00011	05/30/14	SPEX, Lot 18-129PBY			(Purchased Reagent)		Lead	1000 mg/L
..MESPEXSBs_00007	11/15/13	SPEX, Lot 18-25SBX			(Purchased Reagent)		Antimony	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
..MESPEXZNs_00007	11/15/13	Spex, Lot 18-83ZNX			(Purchased Reagent)		Zinc	1000 mg/L
.MEOESISMCALAs_00004	11/20/13	07/09/13	DI WATER, Lot NA	500 mL	MESPEXALs_00009	75 mL	Aluminum	1500000 ppb
					MESPEXBAs_00010	31.25 mL	Barium	62500 ppb
					MESPEXCAwHRDs_00007	75 mL	Calcium	1500000 ppb
					MESPEXCUs_00013	31.25 mL	Copper	62500 ppb
					MESPEXFEs_00008	75 mL	Iron	1500000 ppb
					MESPEXKs_00011	25 mL	Potassium	500000 ppb
					MESPEXMGwHRDs_00008	75 mL	Magnesium	1500000 ppb
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXBAs_00010	05/30/14	Spex, Lot 18-188BAX			(Purchased Reagent)		Barium	1000 mg/L
..MESPEXCAwHRDs_00007	05/30/14	SPEX, Lot AJ14-148CAX			(Purchased Reagent)		Calcium	10000 mg/L
..MESPEXCUs_00013	06/30/14	Spex, Lot 19-09CUX			(Purchased Reagent)		Copper	1000 mg/L
..MESPEXFEs_00008	11/20/13	Spex, Lot AF14-55FE			(Purchased Reagent)		Iron	10000 mg/L
..MESPEXKs_00011	04/30/14	Spex, Lot AH14-93K			(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14	SPEX, Lot AE14-188MGX			(Purchased Reagent)		Magnesium	10000 mg/L
MEISMCAL4w_00097	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot NA	100 mL	MEISMOESCALBs_00008	8 mL	Arsenic	800 ppb
							Cadmium	800 ppb
							Cobalt	2000 ppb
							Chromium	1600 ppb
							Selenium	800 ppb
							Thallium	800 ppb
							Silver	400 ppb
							Beryllium	2500 ppb
							Manganese	5000 ppb
							Sodium	40000 ppb
							Nickel	5000 ppb
							Lead	5000 ppb
							Antimony	1000 ppb
							Vanadium	5000 ppb
							Zinc	5000 ppb
					MEOESISMCALAs_00004	8 mL	Aluminum	120000 ppb
							Barium	5000 ppb
							Calcium	120000 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	5000 ppb
							Iron	120000 ppb
							Potassium	40000 ppb
							Magnesium	120000 ppb
.MEISMOESCALBs_00008	10/16/13	06/28/13	DI WATER, Lot NA	500 mL	MEIVASs_00006	5 mL	Arsenic	10000 ppb
					MEIVCDs_00008	5 mL	Cadmium	10000 ppb
					MEIVCOs_00007	12.5 mL	Cobalt	25000 ppb
					MEIVCRs_00007	10 mL	Chromium	20000 ppb
					MEIVSEs_00008	5 mL	Selenium	10000 ppb
					MEIVTLs_00010	5 mL	Thallium	10000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
					MESPEXBEs_00009	15.625 mL	Beryllium	31250 ppb
					MESPEXMNs_00012	31.25 mL	Manganese	62500 ppb
					MESPEXNAs_00013	25 mL	Sodium	500000 ppb
					MESPEXNIs_00012	31.25 mL	Nickel	62500 ppb
					MESPEXPBs_00011	31.25 mL	Lead	62500 ppb
					MESPEXSBs_00007	6.25 mL	Antimony	12500 ppb
					MESPEXVs_00006	31.25 mL	Vanadium	62500 ppb
					MESPEXZNs_00007	31.25 mL	Zinc	62500 ppb
..MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
..MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
..MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L
..MESPEXMNs_00012	04/30/14	Spex, Lot 18-33MNY			(Purchased Reagent)		Manganese	1000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXPBs_00011	05/30/14	SPEX, Lot 18-129PBY			(Purchased Reagent)		Lead	1000 mg/L
..MESPEXSBs_00007	11/15/13	SPEX, Lot 18-25SBX			(Purchased Reagent)		Antimony	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
..MESPEXZNs_00007	11/15/13	Spex, Lot 18-83ZNX			(Purchased Reagent)		Zinc	1000 mg/L
.MEOESISMCALAs_00004	11/20/13	07/09/13	DI WATER, Lot NA	500 mL	MESPEXALs_00009	75 mL	Aluminum	1500000 ppb
					MESPEXBAs_00010	31.25 mL	Barium	62500 ppb
					MESPEXCAwHRDs_00007	75 mL	Calcium	1500000 ppb
					MESPEXCUs_00013	31.25 mL	Copper	62500 ppb
					MESPEXFEs_00008	75 mL	Iron	1500000 ppb
					MESPEXKs_00011	25 mL	Potassium	500000 ppb
					MESPEXMGwHRDs_00008	75 mL	Magnesium	1500000 ppb
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXBAs_00010	05/30/14	Spex, Lot 18-188BAX			(Purchased Reagent)		Barium	1000 mg/L
..MESPEXCAwHRDs_00007	05/30/14	SPEX, Lot AJ14-148CAX			(Purchased Reagent)		Calcium	10000 mg/L
..MESPEXCUs_00013	06/30/14	Spex, Lot 19-09CUX			(Purchased Reagent)		Copper	1000 mg/L
..MESPEXFEs_00008	11/20/13	Spex, Lot AF14-55FE			(Purchased Reagent)		Iron	10000 mg/L
..MESPEXKs_00011	04/30/14	Spex, Lot AH14-93K			(Purchased Reagent)		Potassium	10000 ppm

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MESPEXMGwHRDs_00008	06/30/14	SPEX, Lot AE14-188MGX			(Purchased Reagent)		Magnesium	10000 mg/L
MEISMCAL5w_00099	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEISMOESCALBs_00008	12 mL	Arsenic	1200 ppb
							Cadmium	1200 ppb
							Cobalt	3000 ppb
							Chromium	2400 ppb
							Selenium	1200 ppb
							Thallium	1200 ppb
							Silver	600 ppb
							Beryllium	3750 ppb
							Manganese	7500 ppb
							Sodium	60000 ppb
							Nickel	7500 ppb
							Lead	7500 ppb
							Antimony	1500 ppb
							Vanadium	7500 ppb
							Zinc	7500 ppb
					MEOESISMCALAs_00004	12 mL	Aluminum	180000 ppb
							Barium	7500 ppb
							Calcium	180000 ppb
							Copper	7500 ppb
							Iron	180000 ppb
							Potassium	60000 ppb
							Magnesium	180000 ppb
.MEISMOESCALBs_00008	10/16/13	06/28/13	DI WATER, Lot NA	500 mL	MEIVASs_00006	5 mL	Arsenic	10000 ppb
					MEIVCDs_00008	5 mL	Cadmium	10000 ppb
					MEIVCOs_00007	12.5 mL	Cobalt	25000 ppb
					MEIVCRs_00007	10 mL	Chromium	20000 ppb
					MEIVSEs_00008	5 mL	Selenium	10000 ppb
					MEIVTLs_00010	5 mL	Thallium	10000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
					MESPEXBEs_00009	15.625 mL	Beryllium	31250 ppb
					MESPEXMNs_00012	31.25 mL	Manganese	62500 ppb
					MESPEXNAs_00013	25 mL	Sodium	500000 ppb
					MESPEXNIs_00012	31.25 mL	Nickel	62500 ppb
					MESPEXPBs_00011	31.25 mL	Lead	62500 ppb
					MESPEXSBs_00007	6.25 mL	Antimony	12500 ppb
					MESPEXVs_00006	31.25 mL	Vanadium	62500 ppb
					MESPEXZNs_00007	31.25 mL	Zinc	62500 ppb
..MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
..MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
..MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MESPEXMNs_00012	04/30/14	Spex, Lot 18-33MNY			(Purchased Reagent)		Manganese	1000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXPBs_00011	05/30/14	SPEX, Lot 18-129PBY			(Purchased Reagent)		Lead	1000 mg/L
..MESPEXSBs_00007	11/15/13	SPEX, Lot 18-25SBX			(Purchased Reagent)		Antimony	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
..MESPEXZNs_00007	11/15/13	Spex, Lot 18-83ZNX			(Purchased Reagent)		Zinc	1000 mg/L
.MEOESISMCALAs_00004	11/20/13	07/09/13	DI WATER, Lot NA	500 mL	MESPEXALs_00009	75 mL	Aluminum	1500000 ppb
					MESPEXBAs_00010	31.25 mL	Barium	62500 ppb
					MESPEXCAwHRDs_00007	75 mL	Calcium	1500000 ppb
					MESPEXCUs_00013	31.25 mL	Copper	62500 ppb
					MESPEXFEs_00008	75 mL	Iron	1500000 ppb
					MESPEXKs_00011	25 mL	Potassium	500000 ppb
					MESPEXMGwHRDs_00008	75 mL	Magnesium	1500000 ppb
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXBAs_00010	05/30/14	Spex, Lot 18-188BAX			(Purchased Reagent)		Barium	1000 mg/L
..MESPEXCAwHRDs_00007	05/30/14	SPEX, Lot AJ14-148CAX			(Purchased Reagent)		Calcium	10000 mg/L
..MESPEXCUs_00013	06/30/14	Spex, Lot 19-09CUX			(Purchased Reagent)		Copper	1000 mg/L
..MESPEXFEs_00008	11/20/13	Spex, Lot AF14-55FE			(Purchased Reagent)		Iron	10000 mg/L
..MESPEXKs_00011	04/30/14	Spex, Lot AH14-93K			(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14	SPEX, Lot AE14-188MGX			(Purchased Reagent)		Magnesium	10000 mg/L
MEISMCAL6_00099	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEISMOESCALBs_00008	16 mL	Arsenic	1600 ppb
							Cadmium	1600 ppb
							Cobalt	4000 ppb
							Chromium	3200 ppb
							Selenium	1600 ppb
							Thallium	1600 ppb
							Silver	800 ppb
							Beryllium	5000 ppb
							Manganese	10000 ppb
							Sodium	80000 ppb
							Nickel	10000 ppb
							Lead	10000 ppb
							Antimony	2000 ppb
							Vanadium	10000 ppb
							Zinc	10000 ppb
					MEOESISMCALAs_00004	16 mL	Aluminum	240000 ppb
							Barium	10000 ppb
							Calcium	240000 ppb
							Copper	10000 ppb
							Iron	240000 ppb
							Potassium	80000 ppb
							Magnesium	240000 ppb
.MEISMOESCALBs_00008	10/16/13	06/28/13	DI WATER, Lot NA	500 mL	MEIVASs_00006	5 mL	Arsenic	10000 ppb
					MEIVCDs_00008	5 mL	Cadmium	10000 ppb
					MEIVCOs_00007	12.5 mL	Cobalt	25000 ppb
					MEIVCRs_00007	10 mL	Chromium	20000 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MEIVSEs_00008	5 mL	Selenium	10000 ppb
					MEIVTLs_00010	5 mL	Thallium	10000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
					MESPEXBEs_00009	15.625 mL	Beryllium	31250 ppb
					MESPEXMNs_00012	31.25 mL	Manganese	62500 ppb
					MESPEXNAs_00013	25 mL	Sodium	500000 ppb
					MESPEXNIs_00012	31.25 mL	Nickel	62500 ppb
					MESPEXPBs_00011	31.25 mL	Lead	62500 ppb
					MESPEXSBs_00007	6.25 mL	Antimony	12500 ppb
					MESPEXVs_00006	31.25 mL	Vanadium	62500 ppb
					MESPEXZNs_00007	31.25 mL	Zinc	62500 ppb
..MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
..MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
..MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L
..MESPEXMNs_00012	04/30/14	Spex, Lot 18-33MNY			(Purchased Reagent)		Manganese	1000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXPBs_00011	05/30/14	SPEX, Lot 18-129PBY			(Purchased Reagent)		Lead	1000 mg/L
..MESPEXSBs_00007	11/15/13	SPEX, Lot 18-25SBX			(Purchased Reagent)		Antimony	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
..MESPEXZNs_00007	11/15/13	Spex, Lot 18-83ZNX			(Purchased Reagent)		Zinc	1000 mg/L
.MEOESISMCALAs_00004	11/20/13	07/09/13	DI WATER, Lot NA	500 mL	MESPEXALs_00009	75 mL	Aluminum	1500000 ppb
					MESPEXBAs_00010	31.25 mL	Barium	62500 ppb
					MESPEXCAwHRDs_00007	75 mL	Calcium	1500000 ppb
					MESPEXCUs_00013	31.25 mL	Copper	62500 ppb
					MESPEXFEs_00008	75 mL	Iron	1500000 ppb
					MESPEXKs_00011	25 mL	Potassium	500000 ppb
					MESPEXMGwHRDs_00008	75 mL	Magnesium	1500000 ppb
..MESPEXALs_00009	11/02/13	SPEX, Lot AC14-69AL			(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXBAs_00010	05/30/14	Spex, Lot 18-188BAX			(Purchased Reagent)		Barium	1000 mg/L
..MESPEXCAwHRDs_00007	05/30/14	SPEX, Lot AJ14-148CAX			(Purchased Reagent)		Calcium	10000 mg/L
..MESPEXCUs_00013	06/30/14	Spex, Lot 19-09CUX			(Purchased Reagent)		Copper	1000 mg/L
..MESPEXFEs_00008	11/20/13	Spex, Lot AF14-55FE			(Purchased Reagent)		Iron	10000 mg/L
..MESPEXKs_00011	04/30/14	Spex, Lot AH14-93K			(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14	SPEX, Lot AE14-188MGX			(Purchased Reagent)		Magnesium	10000 mg/L
MEISMCAL7w_00098	07/31/13	07/30/13	5% HCL / 2% HNO3, Lot na	100 mL	MEISMOESCALBs_00008	20 mL	Arsenic	2000 ppb
							Cadmium	2000 ppb
							Cobalt	5000 ppb
							Chromium	4000 ppb
							Selenium	2000 ppb
							Thallium	2000 ppb

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SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1000 ppb
							Beryllium	6250 ppb
							Manganese	12500 ppb
							Sodium	100000 ppb
							Nickel	12500 ppb
							Lead	12500 ppb
							Antimony	2500 ppb
							Vanadium	12500 ppb
							Zinc	12500 ppb
					MEOESISMCALAs_00004	20 mL	Aluminum	300000 ppb
							Barium	12500 ppb
							Calcium	300000 ppb
							Copper	12500 ppb
							Iron	300000 ppb
							Potassium	100000 ppb
							Magnesium	300000 ppb
.MEISMOESCALBs_00008	10/16/13	06/28/13	DI WATER, Lot NA	500 mL	MEIVASs_00006	5 mL	Arsenic	10000 ppb
					MEIVCDs_00008	5 mL	Cadmium	10000 ppb
					MEIVCOs_00007	12.5 mL	Cobalt	25000 ppb
					MEIVCRs_00007	10 mL	Chromium	20000 ppb
					MEIVSEs_00008	5 mL	Selenium	10000 ppb
					MEIVTLs_00010	5 mL	Thallium	10000 ppb
					MESPEXAGs_00006	2.5 mL	Silver	5000 ppb
					MESPEXBEs_00009	15.625 mL	Beryllium	31250 ppb
					MESPEXMNs_00012	31.25 mL	Manganese	62500 ppb
					MESPEXNAs_00013	25 mL	Sodium	500000 ppb
					MESPEXNIs_00012	31.25 mL	Nickel	62500 ppb
					MESPEXPBs_00011	31.25 mL	Lead	62500 ppb
					MESPEXSBs_00007	6.25 mL	Antimony	12500 ppb
					MESPEXVs_00006	31.25 mL	Vanadium	62500 ppb
					MESPEXZNs_00007	31.25 mL	Zinc	62500 ppb
..MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
..MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
..MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
..MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
..MESPEXAGs_00006	11/15/13	Spex, Lot 18-28AGX			(Purchased Reagent)		Silver	1000 mg/L
..MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L
..MESPEXMNs_00012	04/30/14	Spex, Lot 18-33MNY			(Purchased Reagent)		Manganese	1000 mg/L
..MESPEXNAs_00013	04/30/14	SPEX, Lot AG14-125NAX			(Purchased Reagent)		Sodium	10000 mg/L
..MESPEXNIs_00012	06/28/14	SPEX, Lot 18-50NIX			(Purchased Reagent)		Nickel	1000 mg/L
..MESPEXPBs_00011	05/30/14	SPEX, Lot 18-129PBY			(Purchased Reagent)		Lead	1000 mg/L
..MESPEXSBs_00007	11/15/13	SPEX, Lot 18-25SBX			(Purchased Reagent)		Antimony	1000 mg/L
..MESPEXVs_00006	11/15/13	Spex, Lot 17-18V			(Purchased Reagent)		Vanadium	1000 ppm
..MESPEXZNs_00007	11/15/13	Spex, Lot 18-83ZNX			(Purchased Reagent)		Zinc	1000 mg/L
.MEOESISMCALAs_00004	11/20/13	07/09/13	DI WATER, Lot NA	500 mL	MESPEXALs_00009	75 mL	Aluminum	1500000 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MESPEXBAs_00010	31.25 mL	Barium	62500 ppb
					MESPEXCAwHRDs_00007	75 mL	Calcium	1500000 ppb
					MESPEXCUs_00013	31.25 mL	Copper	62500 ppb
					MESPEXFEs_00008	75 mL	Iron	1500000 ppb
					MESPEXKs_00011	25 mL	Potassium	500000 ppb
					MESPEXMGwHRDs_00008	75 mL	Magnesium	1500000 ppb
..MESPEXALs_00009	11/02/13		SPEX, Lot AC14-69AL		(Purchased Reagent)		Aluminum	10000 mg/L
..MESPEXBAs_00010	05/30/14		Spex, Lot 18-188BAX		(Purchased Reagent)		Barium	1000 mg/L
..MESPEXCAwHRDs_00007	05/30/14		SPEX, Lot AJ14-148CAX		(Purchased Reagent)		Calcium	10000 mg/L
..MESPEXCUs_00013	06/30/14		Spex, Lot 19-09CUX		(Purchased Reagent)		Copper	1000 mg/L
..MESPEXFEs_00008	11/20/13		Spex, Lot AF14-55FE		(Purchased Reagent)		Iron	10000 mg/L
..MESPEXKs_00011	04/30/14		Spex, Lot AH14-93K		(Purchased Reagent)		Potassium	10000 ppm
..MESPEXMGwHRDs_00008	06/30/14		SPEX, Lot AE14-188MGX		(Purchased Reagent)		Magnesium	10000 mg/L
MEISMICSABw_00096	07/31/13	07/24/13	5% HCL / 2% HNO3, Lot K48A02/K44022	100 mL	MEEPAOESICSBs_00023	10 mL	Aluminum	248400 ug/L
							Antimony	613 ug/L
							Arsenic	101 ug/L
							Barium	517 ug/L
							Beryllium	504 ug/L
							Cadmium	989 ug/L
							Calcium	243700 ug/L
							Chromium	519 ug/L
							Cobalt	481 ug/L
							Copper	550 ug/L
							Iron	96840 ug/L
							Lead	58 ug/L
							Magnesium	248700 ug/L
							Manganese	507 ug/L
							Nickel	983 ug/L
							Selenium	51 ug/L
							Silver	205 ug/L
							Thallium	99 ug/L
							Vanadium	488 ug/L
							Zinc	986 ug/L
.MEEPAOESICSBs_00023	08/29/13		QATS ICSB-0710, Lot ICP-OES PARTB(0203)		(Purchased Reagent)		Aluminum	2484000 ug/L
							Antimony	6130 ug/L
							Arsenic	1010 ug/L
							Barium	5170 ug/L
							Beryllium	5040 ug/L
							Cadmium	9890 ug/L
							Calcium	2437000 ug/L
							Chromium	5190 ug/L
							Cobalt	4810 ug/L
							Copper	5500 ug/L
							Iron	968400 ug/L
							Lead	580 ug/L
							Magnesium	2487000 ug/L
							Manganese	5070 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	9830 ug/L
							Selenium	510 ug/L
							Silver	2050 ug/L
							Thallium	990 ug/L
							Vanadium	4880 ug/L
							Zinc	9860 ug/L
MEISMICSAw_00090	07/31/13	07/24/13	5% HCL / 2% HNO3, Lot 0000013500/K08022	100 mL	MEEPAOESICSAs_00023	10 mL	Aluminum	244100 ug/L
							Barium	2 ug/L
							Calcium	234900 ug/L
							Chromium	43 ug/L
							Cobalt	4 ug/L
							Copper	23 ug/L
							Iron	95600 ug/L
							Lead	10 ug/L
							Magnesium	247500 ug/L
							Manganese	19 ug/L
							Nickel	21 ug/L
							Zinc	28 ug/L
.MEEPAOESICSAs_00023	11/08/14	QATS ICP-AES ICSA-1206, Lot ICP-OES PART A(1206)			(Purchased Reagent)		Aluminum	2441000 ug/L
							Barium	20 ug/L
							Calcium	2349000 ug/L
							Chromium	430 ug/L
							Cobalt	40 ug/L
							Copper	230 ug/L
							Iron	956000 ug/L
							Lead	100 ug/L
							Magnesium	2475000 ug/L
							Manganese	190 ug/L
							Nickel	210 ug/L
							Zinc	280 ug/L
MEISMOESLCS_00033	10/02/13	06/27/13	DI WATER, Lot NA	100 mL	MEHCLACIDs_00126	5 mL	Hydrogen Chloride	50000000 ppb
					MEHNO3s_00102	2 mL	Nitric acid	20000000 ppb
					MEIVALs_00008	0.4 mL	Aluminum	40000 ppb
					MEIVASs_00006	0.2 mL	Arsenic	2000 ppb
					MEIVBAs_00009	4 mL	Ba-137 (Tune)	40000 ppb
							Barium	40000 ppb
					MEIVCAwHRDs_00005	10 mL	Calcium	1000000 ppb
							Calcium hardness as calcium carbonate	2497000 ppb
							Hardness as calcium carbonate	6615000 ppb
					MEIVCDs_00008	0.1 mL	Cadmium	1000 ppb
					MEIVCOs_00007	1 mL	Cobalt	10000 ppb
					MEIVCRs_00007	0.2 mL	Chromium	2000 ppb
					MEIVCUs_00008	0.5 mL	Copper	5000 ppb
					MEIVFEs_00007	0.2 mL	Iron	20000 ppb

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MEIVKs_00008	10 mL	Potassium	1000000 ppb
					MEIVMGs_00012	10 mL	Hardness as calcium carbonate	6615000 ppb
							Magnesium	1000000 ppb
							Magnesium hardness as calcium carbonate	4118000 ppb
					MEIVMNs_00006	0.3 mL	Manganese	3000 ppb
					MEIVNAs_00011	10 mL	Cation Exchange Capacity	1000000 ppb
							Sodium	1000000 ppb
					MEIVNIs_00006	0.8 mL	Nickel	8000 ppb
					MEIVPBs_00011	0.2 mL	Lead	2000 ppb
					MEIVSBs_00007	1.2 mL	Antimony	12000 ppb
					MEIVSEs_00008	0.7 mL	Selenium	7000 ppb
					MEIVTLs_00010	0.5 mL	Thallium	5000 ppb
					MEIVVs_00006	1 mL	Vanadium	10000 ppb
					MEIVZNs_00008	1.2 mL	Zinc	12000 ppb
					MESPEXBEs_00009	0.1 mL	Beryllium	1000 ppb
.MEHCLACIDs_00126	12/18/13	Macron, Lot 0000024317			(Purchased Reagent)		Hydrogen Chloride	1 mL/mL
.MEHNO3s_00102	12/18/13	Macron, Lot 31507			(Purchased Reagent)		Nitric acid	1 mL/mL
.MEIVALs_00008	10/02/13	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 ppm
.MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
.MEIVBAs_00009	03/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Ba-137 (Tune)	1000 ug/mL
							Barium	1000 ug/mL
.MEIVCAwHRDs_00005	01/02/14	Inorganic Ventures, Lot F2-CA04053			(Purchased Reagent)		Calcium	10000 ug/mL
							Calcium hardness as calcium carbonate	24970 ug/mL
							Hardness as calcium carbonate	24970 ug/mL
.MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
.MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
.MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
.MEIVCUs_00008	11/26/13	Inorganic Ventures, Lot D2-CU02121			(Purchased Reagent)		Copper	1000 ug/mL
.MEIVFEs_00007	11/26/13	Inorganic Ventures, Lot F2-FE04007			(Purchased Reagent)		Iron	10000 ppm
.MEIVKs_00008	10/02/13	Inorganic Ventures, Lot E2-K03029			(Purchased Reagent)		Potassium	10000 ug/mL
.MEIVMGs_00012	10/02/13	Inorganic Ventures, Lot E2-MG03106			(Purchased Reagent)		Hardness as calcium carbonate	41180 ppm
							Magnesium	10000 ppm
							Magnesium hardness as calcium carbonate	41180 ppm
.MEIVMNs_00006	11/26/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ug/mL
.MEIVNAs_00011	10/02/13	Inorganic Ventures, Lot E2-NA03095			(Purchased Reagent)		Cation Exchange Capacity	10000 ug/mL
							Sodium	10000 ug/mL
.MEIVNIs_00006	10/02/13	Inorganic Ventures, Lot E2-NI02074			(Purchased Reagent)		Nickel	1000 ug/mL
.MEIVPBs_00011	01/02/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ug/mL
.MEIVSBs_00007	06/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 ug/mL
.MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
.MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
.MEIVVs_00006	10/02/13	Inorganic Ventures, Lot F2-V02074			(Purchased Reagent)		Vanadium	1000 ug/mL
.MEIVZNs_00008	11/26/13	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 ug/mL
.MESPEXBEs_00009	04/30/14	Spex, Lot 18-21BEY			(Purchased Reagent)		Beryllium	1000 mg/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MEISMOESSPKi_00026	10/02/13	07/08/13	DI WATER, Lot na	100 ug/mL	MEHCLACIDs_00127	5 mL	Hydrogen Chloride	50000000 ppb
					MEHNO3s_00104	2 mL	Nitric acid	20000000 ppb
					MEIVALs_00008	2 mL	Aluminum	200000 ppb
					MEIVASs_00006	0.4 mL	Arsenic	4000 ppb
					MEIVBAs_00009	20 mL	Ba-137 (Tune)	200000 ppb
							Barium	200000 ppb
					MEIVBEs_00007	0.5 mL	Be-9 (Tune)	5000 ppb
							Beryllium	5000 ppb
					MEIVCDs_00008	0.5 mL	Cadmium	5000 ppb
					MEIVCOs_00007	5 mL	Cobalt	50000 ppb
					MEIVCRs_00007	2 mL	Chromium	20000 ppb
					MEIVCUs_00008	2.5 mL	Copper	25000 ppb
					MEIVFEs_00007	1 mL	Iron	100000 ppb
					MEIVMNs_00006	5 mL	Manganese	50000 ppb
					MEIVNIs_00007	5 mL	Nickel	50000 ppb
					MEIVPBs_00011	0.2 mL	Lead	2000 ppb
					MEIVSBs_00007	1 mL	Antimony	10000 ppb
					MEIVSEs_00008	0.5 mL	Selenium	5000 ppb
					MEIVTLs_00010	0.5 mL	Thallium	5000 ppb
					MEIVVs_00007	5 mL	Vanadium	50000 ppb
					MEIVZNs_00008	5 mL	Zinc	50000 ppb
.MEHCLACIDs_00127	06/22/14	Macron, Lot 0000035982			(Purchased Reagent)		Hydrogen Chloride	1 mL/mL
.MEHNO3s_00104	12/28/13	Macron, Lot 31507			(Purchased Reagent)		Nitric acid	1 mL/mL
.MEIVALs_00008	10/02/13	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 ppm
.MEIVASs_00006	11/26/13	Inorganic Ventures, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 ug/mL
.MEIVBAs_00009	03/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Ba-137 (Tune)	1000 ug/mL
							Barium	1000 ug/mL
.MEIVBEs_00007	08/01/14	Inorganic Ventures, Lot F2-BE02021			(Purchased Reagent)		Be-9 (Tune)	1000 ppm
							Beryllium	1000 ppm
.MEIVCDs_00008	11/26/13	Inorganic Ventures, Lot F2-CD02035			(Purchased Reagent)		Cadmium	1000 ug/mL
.MEIVCOs_00007	06/01/14	Inorganic Ventures, Lot F2-CO02044			(Purchased Reagent)		Cobalt	1000 ug/mL
.MEIVCRs_00007	11/26/13	Inorganic Ventures, Lot E2-CR03051			(Purchased Reagent)		Chromium	1000 ug/mL
.MEIVCUs_00008	11/26/13	Inorganic Ventures, Lot D2-CU02121			(Purchased Reagent)		Copper	1000 ug/mL
.MEIVFEs_00007	11/26/13	Inorganic Ventures, Lot F2-FE04007			(Purchased Reagent)		Iron	10000 ppm
.MEIVMNs_00006	11/26/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ug/mL
.MEIVNIs_00007	06/01/14	Inorganic Ventures, Lot E2-NI02074			(Purchased Reagent)		Nickel	1000 ug/mL
.MEIVPBs_00011	01/02/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ug/mL
.MEIVSBs_00007	06/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 ug/mL
.MEIVSEs_00008	11/26/13	Inorganic Ventures, Lot E2-SE02026			(Purchased Reagent)		Selenium	1000 ug/mL
.MEIVTLs_00010	05/01/14	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 ug/mL
.MEIVVs_00007	05/01/14	Inorganic Ventures, Lot F2-V02074			(Purchased Reagent)		Vanadium	1000 ug/mL
.MEIVZNs_00008	11/26/13	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 ug/mL
WCCNISM100ug/_00043	07/30/13	07/30/13	NaOH, Lot 464112	100 mL	WCCNCCVi_00263	1 mL	Cyanide	0.00001 %
							Sodium Hydroxide	0.0097911 %
.WCCNCCVi_00263	07/31/13	07/24/13	NaOH, Lot wcnaohi_00093	250 mL	WCCNCCV1s_00006	2.5 mL	Cyanide	10 mg/L
					WCNAOHi_00093	247.5 mL	Sodium Hydroxide	9791.1 mg/L
..WCCNCCV1s_00006	08/31/13	ERA-220811, Lot 220811			(Purchased Reagent)		Cyanide	1000 mg/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
...WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
WCCNISM10ug/L_00046	07/30/13	07/30/13	NaOH, Lot 464112	100 mL	WCCNCCVi_00264	1 mL	Cyanide	0.000001 %
							Sodium Hydroxide	0.00988011 %
.WCCNCCVi_00264	07/31/13	07/24/13	NaOH, Lot WCNAOHi_00093	100 mL	WCCNCCVi_00263	10 mL	Cyanide	1 mg/L
							Sodium Hydroxide	9880.11 mg/L
					WCNAOHi_00093	90 mL	Sodium Hydroxide	9880.11 mg/L
..WCCNCCVi_00263	07/31/13	07/24/13	NaOH, Lot wcnaohi_00093	250 mL	WCCNCCV1s_00006	2.5 mL	Cyanide	10 mg/L
					WCNAOHi_00093	247.5 mL	Sodium Hydroxide	9791.1 mg/L
...WCCNCCV1s_00006	08/31/13		ERA-220811, Lot 220811		(Purchased Reagent)		Cyanide	1000 mg/L
...WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
....WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
..WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
...WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
WCCNISM200ug/_00044	07/30/13	07/30/13	NaOH, Lot 464112	100 mL	WCCNCCVi_00263	2 mL	Cyanide	0.00002 %
							Sodium Hydroxide	0.0195822 %
.WCCNCCVi_00263	07/31/13	07/24/13	NaOH, Lot wcnaohi_00093	250 mL	WCCNCCV1s_00006	2.5 mL	Cyanide	10 mg/L
					WCNAOHi_00093	247.5 mL	Sodium Hydroxide	9791.1 mg/L
..WCCNCCV1s_00006	08/31/13		ERA-220811, Lot 220811		(Purchased Reagent)		Cyanide	1000 mg/L
..WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
...WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
WCCNISM400ug/_00047	07/30/13	07/30/13	NaOH, Lot 464112	100 mL	WCCNCCVi_00263	4 mL	Cyanide	0.00004 %
							Sodium Hydroxide	0.0391644 %
.WCCNCCVi_00263	07/31/13	07/24/13	NaOH, Lot wcnaohi_00093	250 mL	WCCNCCV1s_00006	2.5 mL	Cyanide	10 mg/L
					WCNAOHi_00093	247.5 mL	Sodium Hydroxide	9791.1 mg/L
..WCCNCCV1s_00006	08/31/13		ERA-220811, Lot 220811		(Purchased Reagent)		Cyanide	1000 mg/L
..WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
...WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
WCCNISM50ug/L_00044	07/30/13	07/30/13	NaOH, Lot 464112	100 mL	WCCNCCVi_00264	5 mL	Cyanide	0.000005 %
							Sodium Hydroxide	0.0494006 %
.WCCNCCVi_00264	07/31/13	07/24/13	NaOH, Lot WCNAOHi_00093	100 mL	WCCNCCVi_00263	10 mL	Cyanide	1 mg/L
							Sodium Hydroxide	9880.11 mg/L
					WCNAOHi_00093	90 mL	Sodium Hydroxide	9880.11 mg/L
..WCCNCCVi_00263	07/31/13	07/24/13	NaOH, Lot wcnaohi_00093	250 mL	WCCNCCV1s_00006	2.5 mL	Cyanide	10 mg/L
					WCNAOHi_00093	247.5 mL	Sodium Hydroxide	9791.1 mg/L
...WCCNCCV1s_00006	08/31/13		ERA-220811, Lot 220811		(Purchased Reagent)		Cyanide	1000 mg/L
...WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
....WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
..WCNAOHi_00093	10/16/13	05/16/13	DI WATER, Lot NA	20 L	WC NaOH_00011	200 g	Sodium Hydroxide	9.89 N
...WC NaOH_00011	09/17/14		J.T BAKER, Lot J18K52		(Purchased Reagent)		Sodium Hydroxide	0.989 g/g
WCCNISMICV_00047	07/30/13	07/30/13	DI WATER, Lot NA	100 mL	WCCNISMICVs_00006	1 mL	Cyanide	0.0000099 %
.WCCNISMICVs_00006	10/29/13		QATS-- ICV6-0400, Lot ICV6-0400		(Purchased Reagent)		Cyanide	9.9 mg/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

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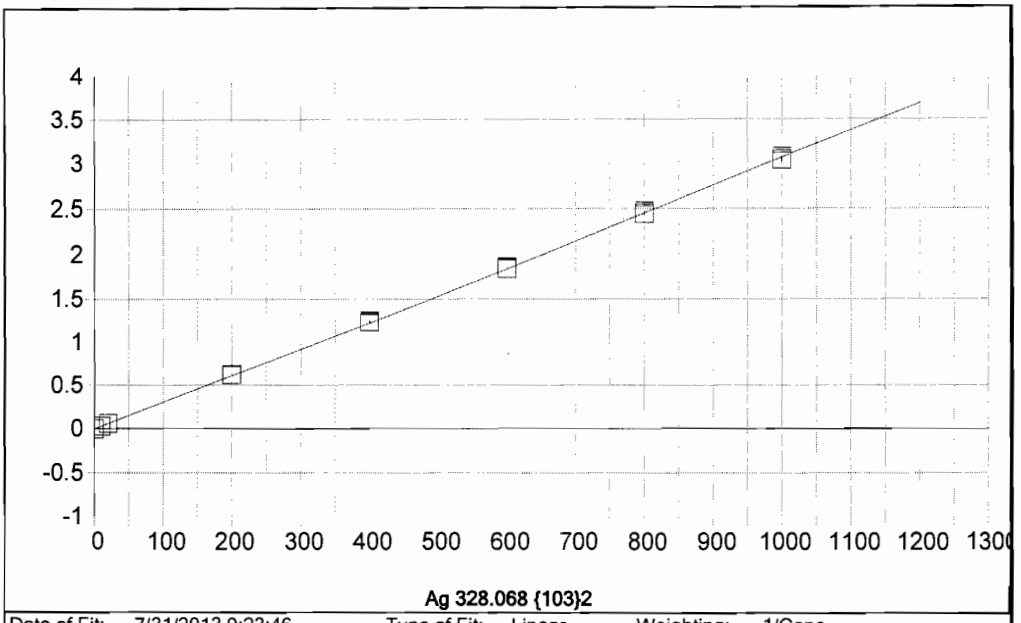
Reagent Container	Reagent ID	Reagent Description	Preparation Date	Expiration Date
504113	ME5PPMAGw_00032	ICP-AES 5 PPM SIlver Spiking Solution	05/29/2013	11/15/2013
518892	MEISMAg_00008	2000 ppb Ag solution	06/20/2013	11/26/2013
522998	MEISMOESLCS_00033	ISM1.2 ICP-AES LCS Int.	06/27/2013	10/02/2013
526794	MEISMOESSPKi_00026	ISM01.2 ICP-AES Matrix Spike	07/08/2013	10/02/2013
528723	MECLPAESCRIs_00008	CLP-AES-CRQL-2 for CRI and post spike	07/11/2013	08/01/2014
535747	MEISMICSABw_00096	OES ISM ICSAB WORKING SOL	07/24/2013	07/31/2013
535748	MEISMICSAw_00090	OES ISM WORKING ICSA	07/24/2013	07/31/2013
536115	mehgccvw_00674	100 PPB Mercury CCV Working	07/29/2013	07/30/2013
536123	MEHGISMICVw_00067	ISM Mercury Working ICV Solution	07/29/2013	08/29/2013
537007	WCCNISM10ug/L_00046	ISM_CN_10 ug/L(CAL POINT 1)	07/30/2013	07/30/2013
537008	WCCNISM50ug/L_00044	ISM_CN_50 ug/L(CAL POINT 2)	07/30/2013	07/30/2013
537009	WCCNISM100ug/_00043	ISM_CN_100 ug/L(CAL POINT 3)	07/30/2013	07/30/2013
537010	WCCNISM200ug/_00044	ISM_CN_200 ug/L(CAL POINT 4)	07/30/2013	07/30/2013
537011	WCCNISM400ug/_00047	ISM_CN_400 ug/L(CAL POINT 5)	07/30/2013	07/30/2013
537012	WCCNISMICV_00047	ISM_ICV_99ug/L	07/30/2013	07/30/2013
537069	MEISMCAL1w_00100	NJR's ISM Cal 1 new ISM calibration	07/30/2013	07/31/2013
537070	MEISMCAL2w_00098	NJR's ISM Cal 2 new ISM calibration	07/30/2013	07/31/2013
537071	MEISMCAL3w_00098	NJR's ISM Cal 3 new ISM calibration	07/30/2013	07/31/2013
537072	MEISMCAL4w_00097	NJR's ISM Cal 4/CCV new ISM calibration	07/30/2013	07/31/2013
537073	MEISMCAL5w_00099	NJR's ISM Cal 5 new ISM calibration	07/30/2013	07/31/2013
537074	MEISMCAL6_00099	NJR's Cal 6 new ISM calibration	07/30/2013	07/31/2013
537075	MEISMCAL7w_00098	NJR's Cal 7 new ISM calibration	07/30/2013	07/31/2013
537076	MEEPAICVw_00246	Working ICV Solution for ISM01.2	07/30/2013	07/31/2013

CalibStd-Blank	7/30/2013 19:00	ism1.2(v759)	FDB6010B	S0
CalibStd-1	7/30/2013 19:08	ism1.2(v759)	FDB6010B	S
CalibStd-2	7/30/2013 19:16	ism1.2(v759)	FDB6010B	S
CalibStd-3	7/30/2013 19:24	ism1.2(v759)	FDB6010B	S
CalibStd-4	7/30/2013 19:32	ism1.2(v759)	FDB6010B	S
CalibStd-5	7/30/2013 19:39	ism1.2(v759)	FDB6010B	S
CalibStd-6	7/30/2013 19:47	ism1.2(v759)	FDB6010B	S
CalibStd-7	7/30/2013 19:56	ism1.2(v759)	FDB6010B	S
ICV-ISM	7/30/2013 20:04	ism1.2(v759)	FDB6010B	ICV
ICB-ISM	7/30/2013 20:11	ism1.2(v759)	FDB6010B	ICB
ICSA	7/30/2013 20:19	ism1.2(v759)	FDB6010B	ICSA
ICSAB	7/30/2013 20:27	ism1.2(v759)	FDB6010B	ICSAB
CCV	7/30/2013 20:35	ism1.2(v759)	FDB6010B	CCVX8
CCB	7/30/2013 20:43	ism1.2(v759)	FDB6010B	CCBX8
mb 200-58902/1-a	7/30/2013 20:51	ism1.2(v759)	DATA	PBSG5
lcs 200-58902/2-a	7/30/2013 20:59	ism1.2(v759)	DATA	LCSG5
200-17525-a-2-a	7/30/2013 21:07	ism1.2(v759)	DATA	MX1408
200-17525-a-2-a sd@5	7/30/2013 21:15	ism1.2(v759)	DATA	MX1408L
200-17525-a-2-a pds	7/30/2013 21:23	ism1.2(v759)	DATA	MX1408A

200-17525-a-2-b du	7/30/2013 21:31	ism1.2(v759)	DATA	MX1408D	
200-17525-a-2-c ms	7/30/2013 21:39	ism1.2(v759)	DATA	MX1408S	
200-17525-a-2-a@2	7/30/2013 21:47	ism1.2(v759)	DATA	MX1408	
200-17525-a-2-a sd@10	7/30/2013 21:55	ism1.2(v759)	DATA	MX1408L	
200-17525-a-2-b du@2	7/30/2013 22:03	ism1.2(v759)	DATA	MX1408D	
CCV	7/30/2013 22:11	ism1.2(v759)	FDB6010B	CCVX9	
CCB	7/30/2013 22:19	ism1.2(v759)	FDB6010B	CCBX9	
200-17525-a-2-c ms@2	7/30/2013 22:27	ism1.2(v759)	DATA	MX1408S	
200-17525-a-2-a PDS	7/30/2013 22:35	ism1.2(v759)	DATA	MX1408A	Ag at 80ppb
200-17525-a-2-a PDS	7/30/2013 22:43	ism1.2(v759)	DATA	MX1408A	Sb at 425ppb
200-17525-a-2-a PDS	7/30/2013 22:51	ism1.2(v759)	DATA	MX1408A	Ba at 3100pp
CCV	7/30/2013 22:59	ism1.2(v759)	FDB6010B	CCVY1	
CCB	7/30/2013 23:07	ism1.2(v759)	FDB6010B	CCBY1	
mb 200-59100/1-a	7/30/2013 23:15	ism1.2(v759)	DATA	PBSG8	
lcs 200-59100/2-a	7/30/2013 23:23	ism1.2(v759)	DATA	LCSG8	
200-17642-d-2-a	7/30/2013 23:31	ism1.2(v759)	DATA	TS003 (072413)	
200-17642-e-3-a	7/30/2013 23:39	ism1.2(v759)	DATA	TS004 (072413)	
200-17642-e-3-a SD@5	7/30/2013 23:46	ism1.2(v759)	DATA	TS004 (072413)L	
200-17642-e-3-a PDS	7/30/2013 23:54	ism1.2(v759)	DATA	TS004 (072413)A	
200-17642-e-3-b du	7/31/2013 0:02	ism1.2(v759)	DATA	TS004 (072413)D	
200-17642-e-3-c ms	7/31/2013 0:10	ism1.2(v759)	DATA	TS004 (072413)S	
CCV	7/31/2013 0:18	ism1.2(v759)	FDB6010B	CCVY2	
CCB	7/31/2013 0:25	ism1.2(v759)	FDB6010B	CCBY2	
SCREEN STD7 NEW	7/31/2013 0:33	ism1.2(v759)	DATA	524376 ID	Ca Mg K Na
SCREEN STD7 OLD	7/31/2013 0:41	ism1.2(v759)	DATA	502452 ID	
SCREEN CCV	7/31/2013 0:49	ism1.2(v759)	DATA	525492 ID	
SCREEN ICV	7/31/2013 0:57	ism1.2(v759)	DATA	534163 ID	

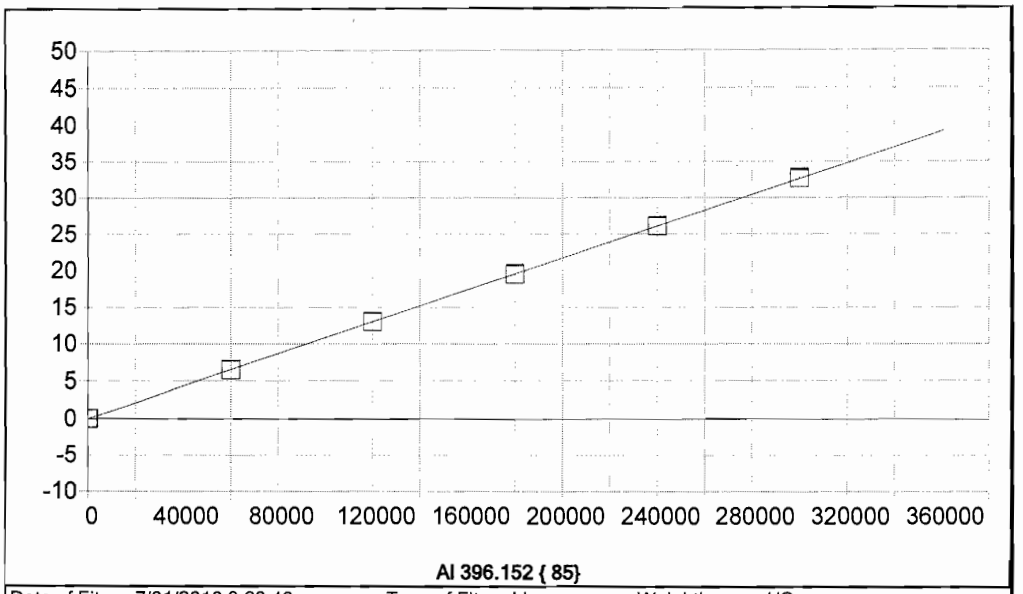


Ag 328.068 {103}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004209	Re-Slope:	1.000000
A1 (Gain):	0.003070	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000155		
Predicted MDL:	0.404483		
Predicted MQL:	1.348278		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00002	.000	.000	-.00421	.001	1
CalibStd-1	10.000	9.9646	-.035	-.354	.02638	.001	1
CalibStd-2	20.000	19.667	-.333	-1.66	.05616	.000	1
CalibStd-3	200.00	203.73	3.73	1.87	.62116	.007	1
CalibStd-4	400.00	403.80	3.80	.951	1.2353	.015	1
CalibStd-5	600.00	602.39	2.39	.398	1.8448	.011	1
CalibStd-6	800.00	798.76	-1.24	-.155	2.4476	.021	1
CalibStd-7	1000.0	991.68	-8.32	-.832	3.0398	.026	1

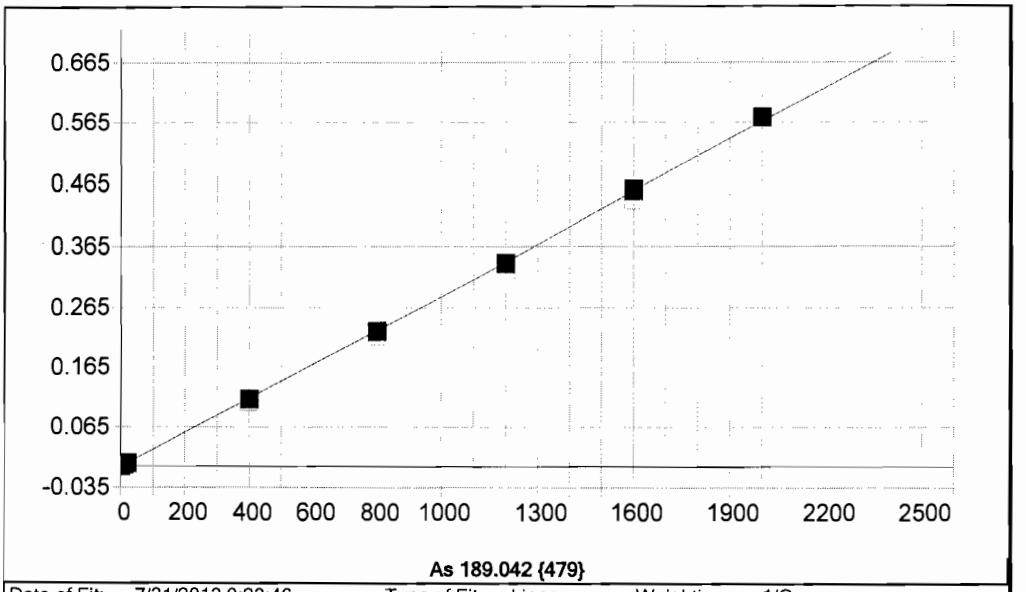


Al 396.152 { 85}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002096	Re-Slope:	1.000000
A1 (Gain):	0.000109	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000115		
Predicted MDL:	10.778883		
Predicted MQL:	35.929609		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.01856	-.019	.000	-.00210	.001	1
CalibStd-1	200.00	213.82	13.8	6.91	.02114	.001	1
CalibStd-2	400.00	411.55	11.6	2.89	.04263	.001	1
CalibStd-3	60000.	59710.	-290.	-.483	6.4868	.042	1
CalibStd-4	120000.	119830.	-166.	-.138	13.021	.075	1
CalibStd-6	240000.	240060.	57.9	.024	26.086	.068	1
CalibStd-5	180000.	179810.	-194.	-.108	19.538	.088	1
CalibStd-7	300000.	300570.	567.	.189	32.662	.121	1

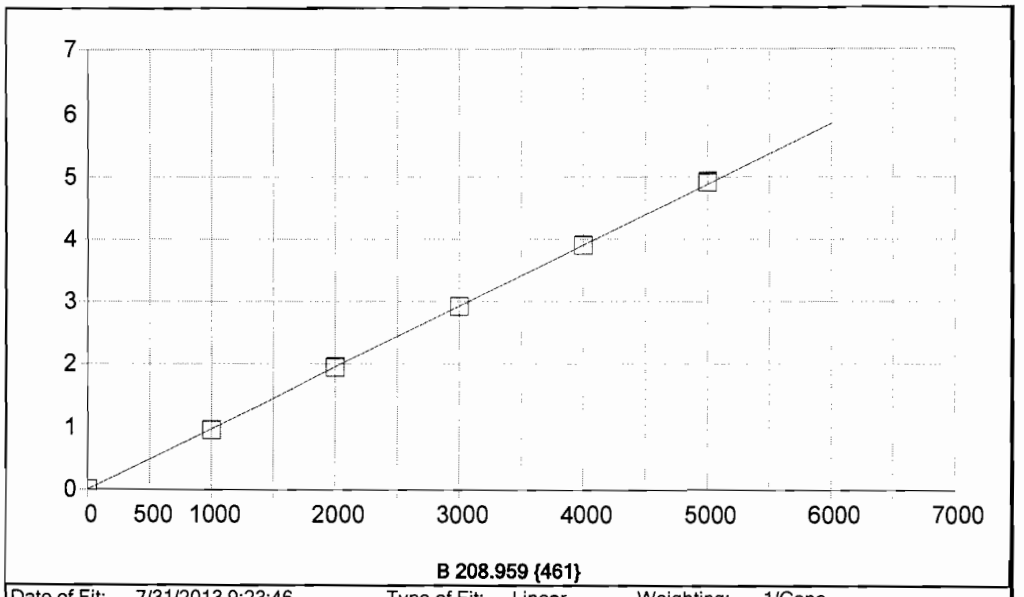


As 189.042 {479}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000057	Re-Slope:	1.000000
A1 (Gain):	0.000283	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999945	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	1.691782		
Predicted MQL:	5.639274		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00073	.001	.000	-.00006	.001	1
CalibStd-1	10.000	10.137	.137	1.37	.00273	.000	1
CalibStd-2	20.000	18.738	-1.26	-6.31	.00509	.000	1
CalibStd-3	400.00	391.42	-8.58	-2.15	.10712	.001	1
CalibStd-4	800.00	793.44	-6.56	-.819	.21730	.001	1
CalibStd-5	1200.0	1191.7	-8.30	-.692	.32642	.001	1
CalibStd-6	1600.0	1602.9	2.91	.182	.43920	.001	1
CalibStd-7	2000.0	2021.7	21.7	1.08	.55412	.001	1

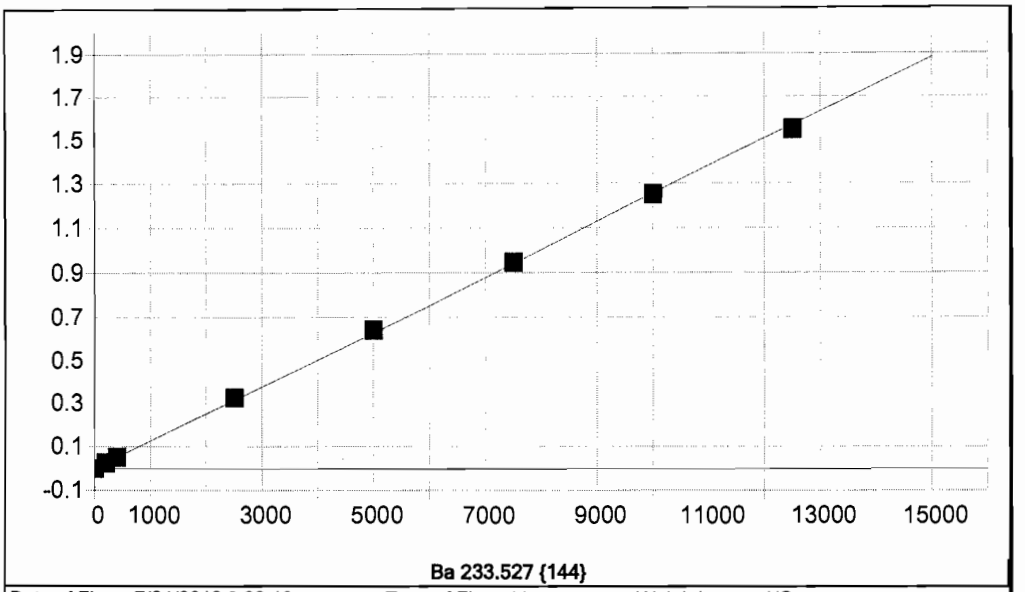


B 208.959 {461}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004201	Re-Slope:	1.000000
A1 (Gain):	0.000975	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000960		
Predicted MDL:	0.496924		
Predicted MQL:	1.656412		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	1000.0	982.77	-17.2	-1.72	.96237	.003	1
CalibStd-4	2000.0	1992.2	-7.79	-.389	1.9465	.010	1
CalibStd-5	3000.0	2990.2	-9.85	-.328	2.9195	.002	1
CalibStd-6	4000.0	3997.0	-2.98	-.075	3.9011	.006	1
CalibStd-7	5000.0	5037.8	37.8	.757	4.9159	.018	1
CalibStd-Blan	.00000	.01758	.018	.000	.00422	.000	1

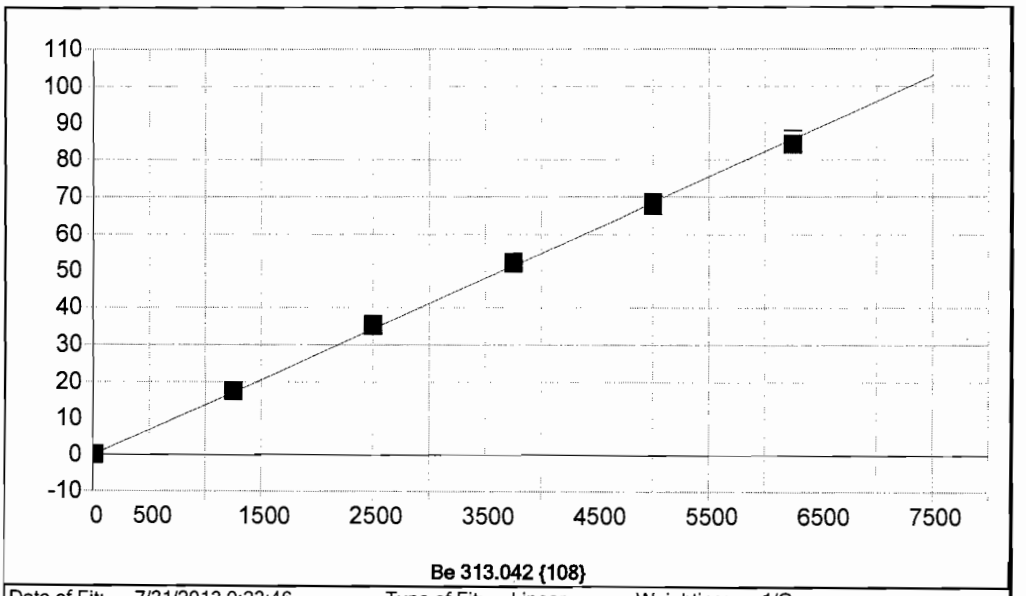


Ba 233.527 {144}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000145	Re-Slope:	1.000000
A1 (Gain):	0.000125	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999895	Status:	OK.
Std Error of Est:	0.000183		
Predicted MDL:	2.177769		
Predicted MQL:	7.259231		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.01771	-.018	.000	-.00015	.000	1
CalibStd-1	200.00	205.19	5.19	2.59	.02559	.000	1
CalibStd-2	400.00	410.14	10.1	2.53	.05130	.000	1
CalibStd-3	2500.0	2580.9	80.9	3.24	.32333	.003	1
CalibStd-4	5000.0	5095.3	95.3	1.91	.63846	.004	1
CalibStd-5	7500.0	7539.6	39.6	.528	.94480	.002	1
CalibStd-6	10000.	9954.3	-45.7	-.457	1.2474	.003	1
CalibStd-7	12500.	12315.	-185.	-1.48	1.5432	.006	1

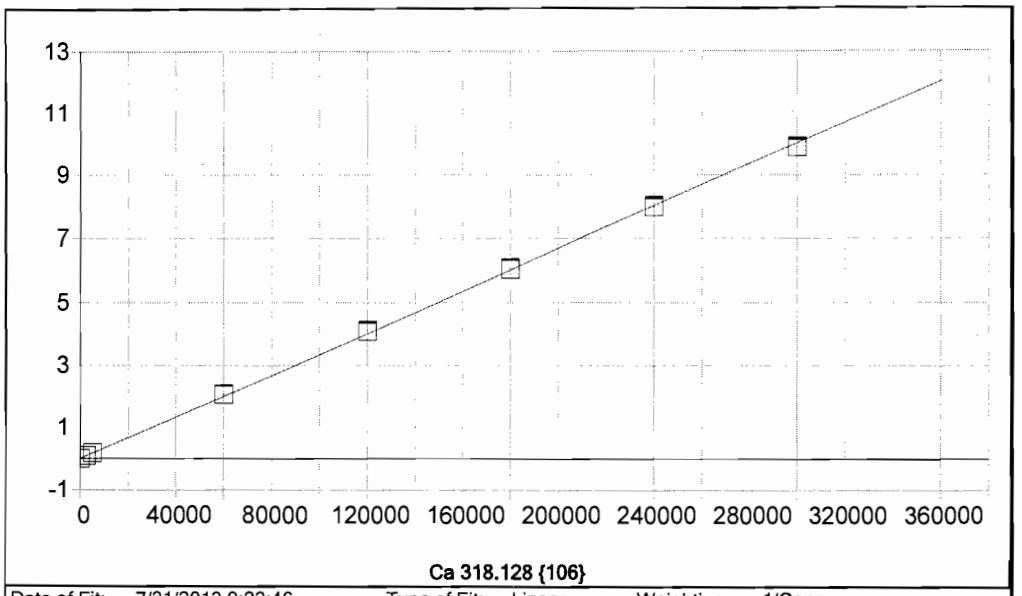


Be 313.042 {108}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000333	Re-Slope:	1.000000
A1 (Gain):	0.013705	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.002575		
Predicted MDL:	0.058387		
Predicted MQL:	0.194623		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00043	.000	.000	.00033	.000	1
CalibStd-1	5.0000	5.1121	.112	2.24	.07113	.000	1
CalibStd-2	10.000	10.244	.244	2.44	.14219	.000	1
CalibStd-3	1250.0	1281.2	31.2	2.50	17.596	.135	1
CalibStd-4	2500.0	2565.1	65.1	2.60	35.228	.229	1
CalibStd-5	3750.0	3802.0	52.0	1.39	52.217	.229	1
CalibStd-6	5000.0	4953.8	-46.2	-.924	68.040	.345	1
CalibStd-7	6250.0	6147.6	-102.	-1.64	84.438	1.25	1

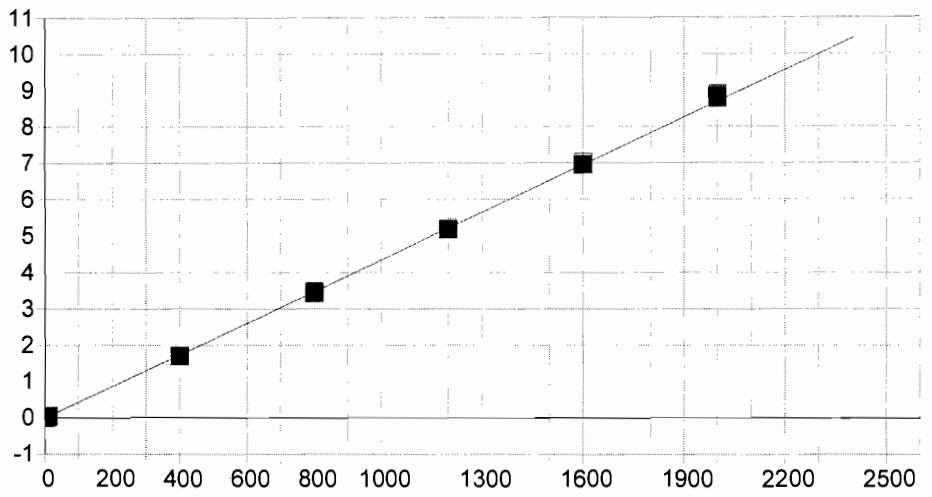


Ca 318.128 {106}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000234	Re-Slope:	1.000000
A1 (Gain):	0.000033	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999893	Status:	OK.
Std Error of Est:	0.000850		
Predicted MDL:	22.469613		
Predicted MQL:	74.898708		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.30623	-.306	.000	.00022	.001	1
CalibStd-1	2500.0	2617.7	118.	4.71	.08782	.001	1
CalibStd-2	5000.0	5191.2	191.	3.82	.17393	.002	1
CalibStd-3	60000.	61890.	1890.	3.15	2.0711	.019	1
CalibStd-4	120000.	122310.	2310.	1.93	4.0929	.029	1
CalibStd-6	240000.	238710.	-1290.	-.538	7.9874	.035	1
CalibStd-5	180000.	181120.	1120.	.624	6.0606	.021	1
CalibStd-7	300000.	295650.	-4350.	-1.45	9.8928	.034	1

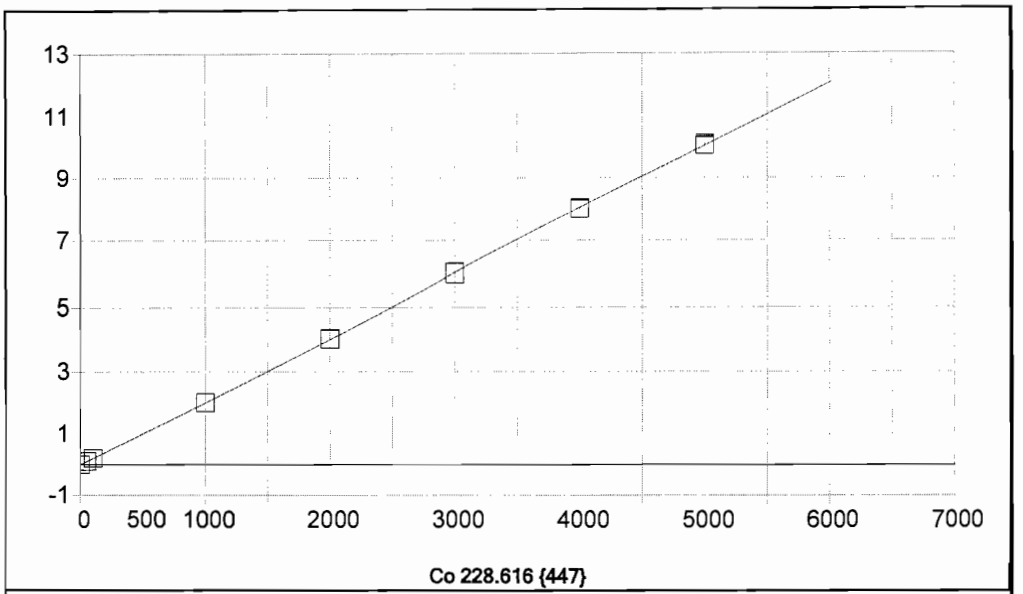


Cd 228.802 {447}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003461	Re-Slope:	1.000000
A1 (Gain):	0.004345	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.000252		
Predicted MDL:	0.176056		
Predicted MQL:	0.586854		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00035	.000	.000	-.00346	.001	1
CalibStd-1	5.0000	4.8449	-.155	-3.10	.01788	.000	1
CalibStd-2	10.000	9.8345	-.165	-1.65	.03985	.000	1
CalibStd-3	400.00	392.73	-7.27	-1.82	1.7166	.004	1
CalibStd-4	800.00	793.34	-6.66	-.832	3.4709	.011	1
CalibStd-5	1200.0	1191.8	-8.21	-.684	5.2157	.003	1
CalibStd-6	1600.0	1599.9	-.095	-.006	7.0026	.006	1
CalibStd-7	2000.0	2022.6	22.6	1.13	8.8527	.024	1

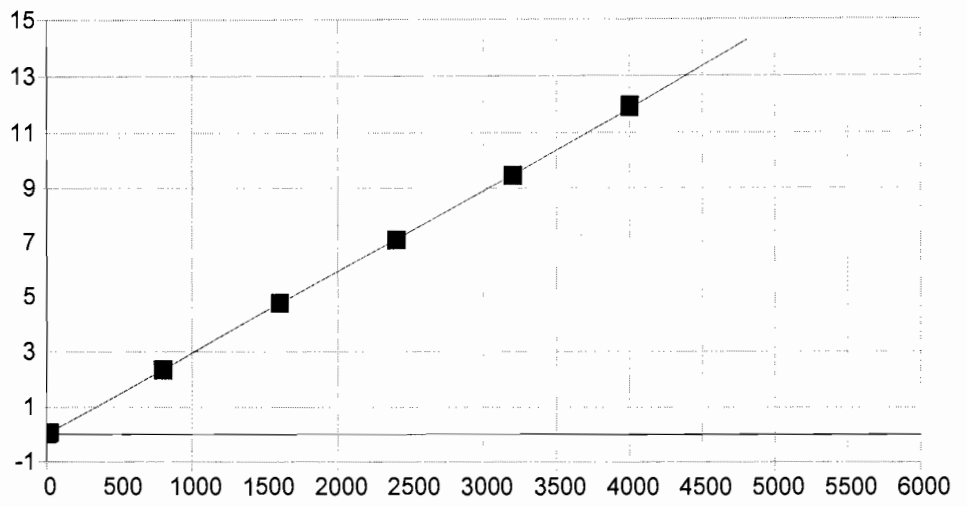


Co 228.616 {447}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003969	Re-Slope:	1.000000
A1 (Gain):	0.002010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000287		
Predicted MDL:	0.346082		
Predicted MQL:	1.153605		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00288	-.003	.000	-.00398	.000	1
CalibStd-1	50.000	51.269	1.27	2.54	.09909	.000	1
CalibStd-2	100.00	102.81	2.81	2.81	.20270	.000	1
CalibStd-3	1000.0	1005.5	5.53	.553	2.0173	.001	1
CalibStd-4	2000.0	2009.1	9.09	.455	4.0347	.011	1
CalibStd-5	3000.0	2990.0	-10.0	-.335	6.0065	.007	1
CalibStd-6	4000.0	3982.7	-17.3	-.434	8.0020	.025	1
CalibStd-7	5000.0	5008.7	8.69	.174	10.065	.038	1

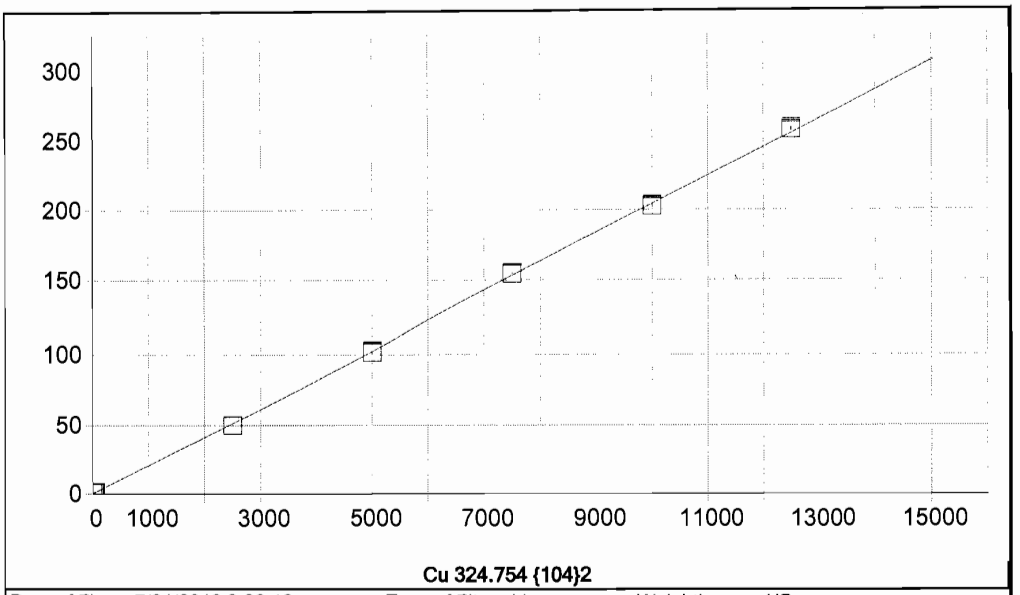


Cr 205.552 {464}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000517	Re-Slope:	1.000000
A1 (Gain):	0.002961	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.000159		
Predicted MDL:	0.177349		
Predicted MQL:	0.591164		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00023	.000	.000	-.00052	.001	1
CalibStd-1	10.000	10.198	.198	1.98	.02964	.000	1
CalibStd-2	20.000	20.154	.154	.772	.05909	.000	1
CalibStd-3	800.00	798.90	-1.10	-.138	2.3609	.006	1
CalibStd-4	1600.0	1598.1	-1.88	-.118	4.7232	.018	1
CalibStd-5	2400.0	2391.0	-9.01	-.376	7.0667	.008	1
CalibStd-6	3200.0	3188.5	-11.5	-.358	9.4241	.019	1
CalibStd-7	4000.0	4023.1	23.1	.578	11.891	.036	1

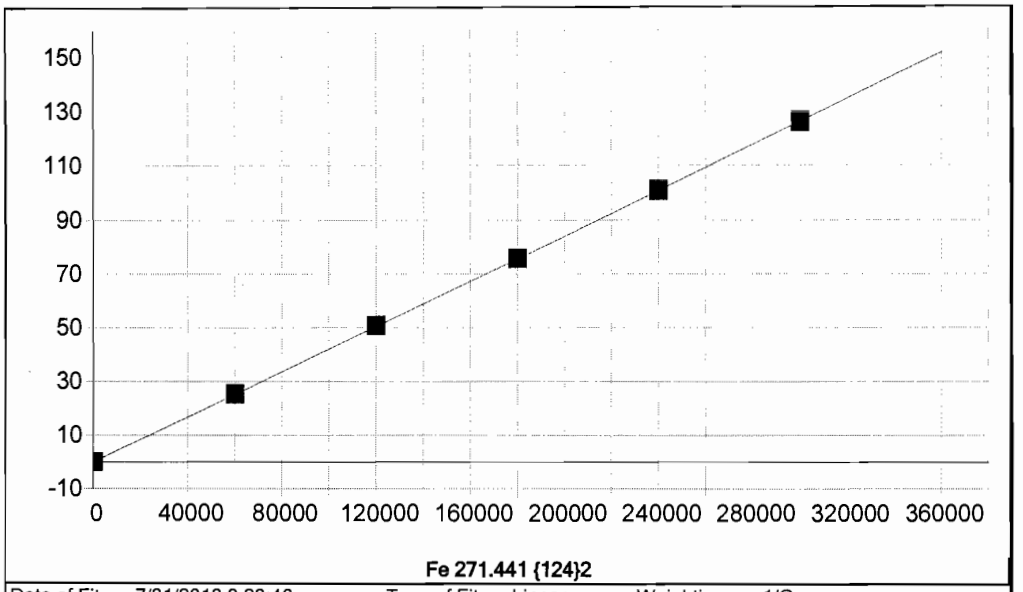


Cu 324.754 {104}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.322075	Re-Slope:	1.000000
A1 (Gain):	0.020398	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.008388		
Predicted MDL:	0.405686		
Predicted MQL:	1.352286		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00429	.004	.000	.32216	.006	1
CalibStd-1	25.000	23.020	-1.98	-7.92	.79163	.005	1
CalibStd-2	50.000	46.587	-3.41	-6.83	1.2723	.001	1
CalibStd-3	2500.0	2430.4	-69.6	-2.78	49.898	.249	1
CalibStd-4	5000.0	4969.4	-30.6	-.611	101.69	.601	1
CalibStd-5	7500.0	7559.0	59.0	.787	154.51	.579	1
CalibStd-6	10000.	9915.0	-85.0	-.850	202.57	.852	1
CalibStd-7	12500.	12631.	131.	1.05	257.97	1.24	1

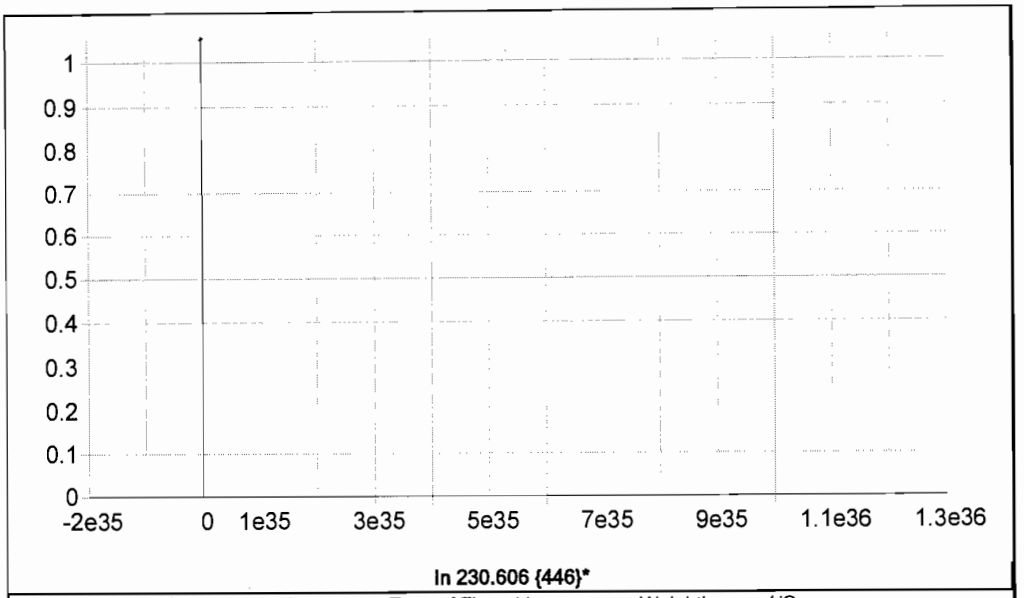


Fe 271.441 {124}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.012578	Re-Slope:	1.000000
A1 (Gain):	0.000420	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000329		
Predicted MDL:	6.474659		
Predicted MQL:	21.582197		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00013	.000	.000	-.01258	.003	1
CalibStd-1	100.00	98.869	-1.13	-1.13	.03357	.001	1
CalibStd-2	200.00	200.70	.705	.352	.08097	.003	1
CalibStd-3	60000.	60344.	344.	.573	25.414	.183	1
CalibStd-4	120000.	120360.	362.	.302	50.703	.284	1
CalibStd-6	240000.	239900.	-100.	-.042	101.07	.262	1
CalibStd-5	180000.	180060.	57.1	.032	75.856	.110	1
CalibStd-7	300000.	299340.	-663.	-.221	126.12	.400	1

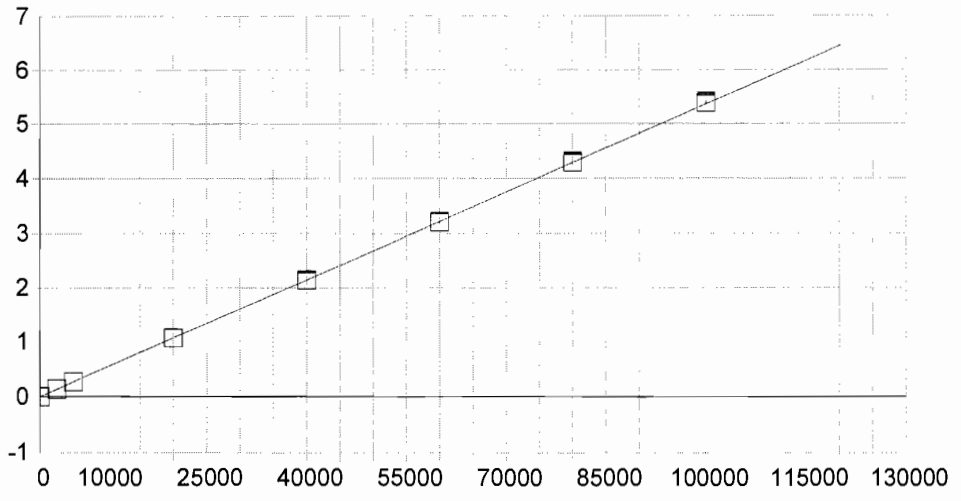


In 230.606 {446}*

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

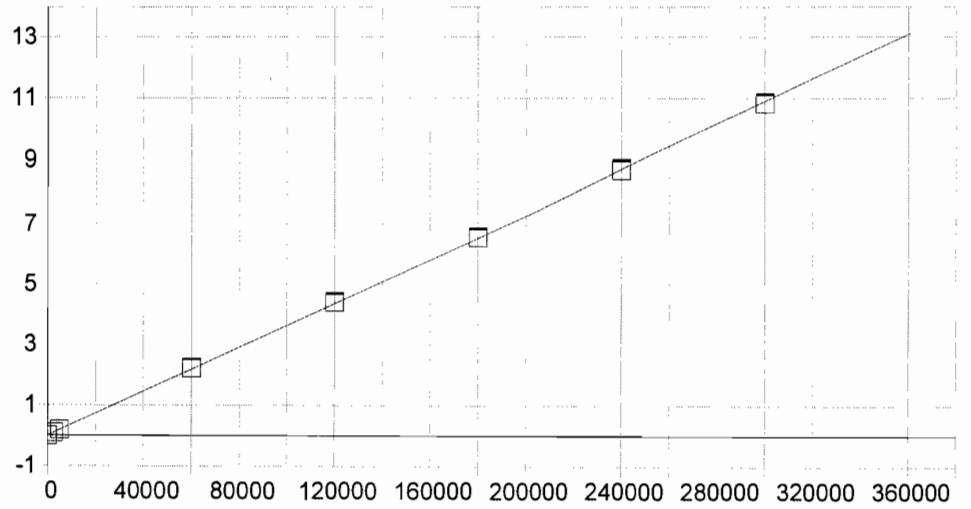


K 766.490 { 44}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003997	Re-Slope:	1.000000
A1 (Gain):	0.000054	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000189		
Predicted MDL:	39.855378		
Predicted MQL:	132.851260		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00221	.002	.000	-.00400	.002	1
CalibStd-1	2500.0	2521.2	21.2	.848	.13126	.002	1
CalibStd-2	5000.0	4989.1	-10.9	-.217	.26365	.001	1
CalibStd-4	40000.	39843.	-157.	-.393	2.1334	.018	1
CalibStd-6	80000.	80049.	48.6	.061	4.2904	.020	1
CalibStd-5	60000.	59773.	-227.	-.378	3.2026	.009	1
CalibStd-7	100000.	100410.	408.	.408	5.3826	.028	1
CalibStd-3	20000.	19917.	-83.5	-.417	1.0645	.008	1



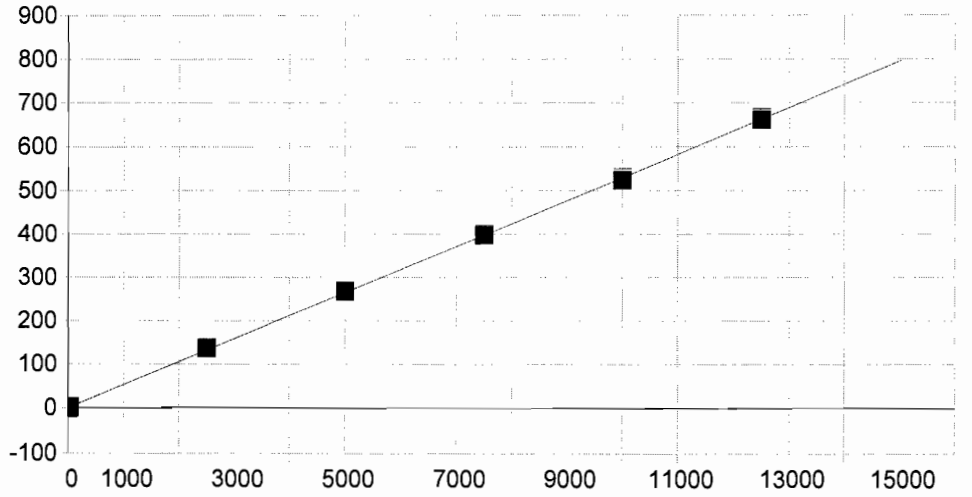
Mg 279.079 {121}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000342	Re-Slope:	1.000000
A1 (Gain):	0.000036	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000491		
Predicted MDL:	14.115485		
Predicted MQL:	47.051616		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.20522	-.205	.000	-.00035	.001	1
CalibStd-1	2500.0	2583.4	83.4	3.33	.09364	.001	1
CalibStd-2	5000.0	5152.3	152.	3.05	.18709	.001	1
CalibStd-3	60000.	60924.	924.	1.54	2.2160	.019	1

CalibStd-4	120000.	121200.	1200.	.999	4.4088	.033	1
CalibStd-6	240000.	239380.	-616.	-.257	8.7082	.039	1
CalibStd-5	180000.	180560.	564.	.313	6.5684	.031	1
CalibStd-7	300000.	297690.	-2310.	-.769	10.829	.031	1

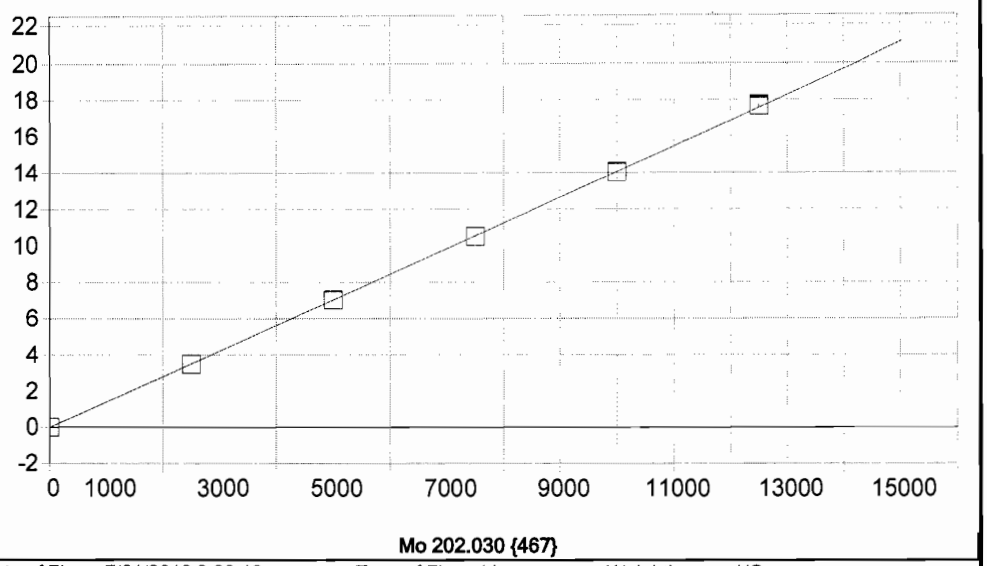


Mn 257.610 {131}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001255	Re-Slope:	1.000000
A1 (Gain):	0.052986	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999945	Status:	OK.
Std Error of Est:	0.015167		
Predicted MDL:	0.049254		
Predicted MQL:	0.164179		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00228	-.002	.000	.00113	.002	1
CalibStd-1	15.000	15.961	.961	6.41	.84969	.004	1
CalibStd-2	30.000	31.815	1.81	6.05	1.6924	.007	1
CalibStd-3	2500.0	2576.9	76.9	3.08	136.64	.810	1
CalibStd-4	5000.0	5042.9	42.9	.859	267.41	1.52	1
CalibStd-5	7500.0	7504.7	4.66	.062	397.95	2.37	1
CalibStd-6	10000.	9892.2	-108.	-1.08	524.56	5.76	1
CalibStd-7	12500.	12480.	-19.6	-.157	661.79	3.89	1

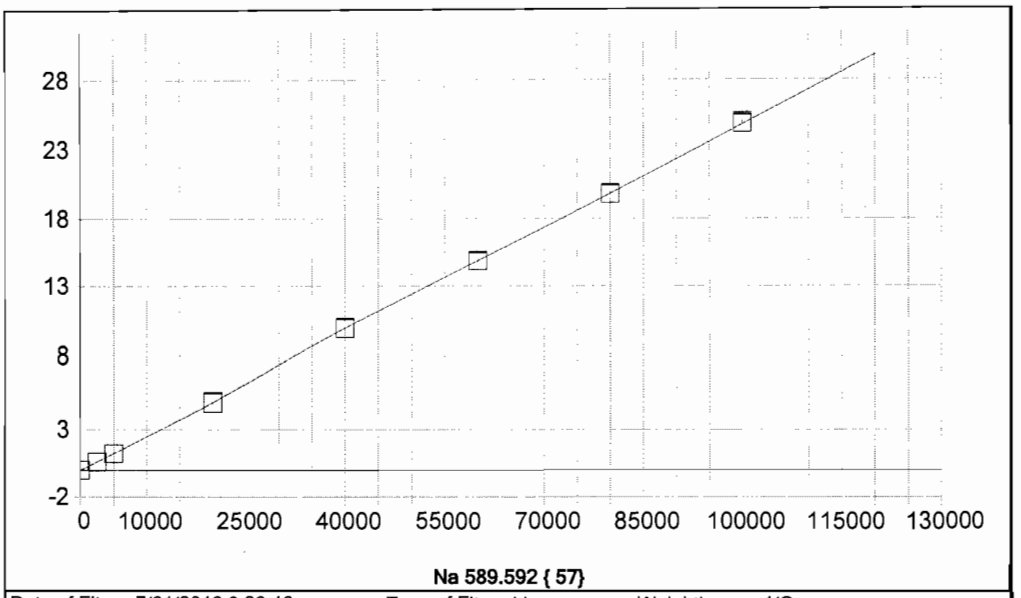


Mo 202.030 {467}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000224	Re-Slope:	1.000000
A1 (Gain):	0.001405	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.002201		
Predicted MDL:	0.316829		
Predicted MQL:	1.056097		

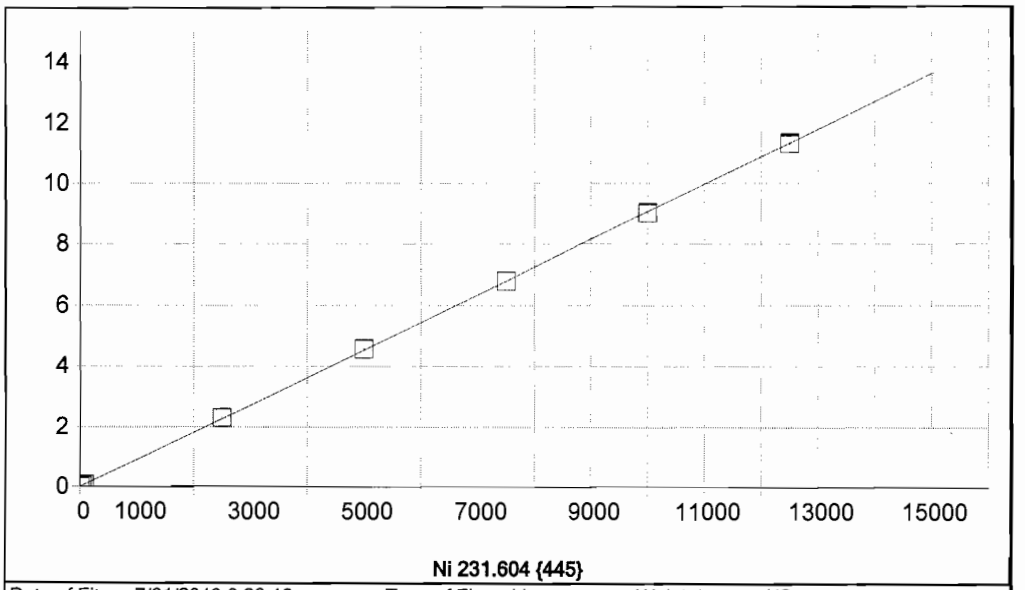
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	2500.0	2483.4	-16.6	-.663	3.4895	.008	1
CalibStd-4	5000.0	4990.5	-9.53	-.191	7.0124	.030	1
CalibStd-5	7500.0	7475.4	-24.6	-.328	10.504	.007	1
CalibStd-6	10000.	9979.6	-20.4	-.204	14.023	.027	1
CalibStd-7	12500.	12571.	71.2	.569	17.665	.062	1
CalibStd-Blan	.00000	.02043	.020	.000	-.00019	.000	1



Na 589.592 { 57}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting: 1/Conc
A0 (Offset):	-0.009051		Re-Slope:	1.000000
A1 (Gain):	0.000248		Y-int:	0.000000
A2 (Curvature):	0.000000			
n (Exponent):	1.000000			
Correlation:	0.999995		Status:	OK.
Std Error of Est:	0.000816			
Predicted MDL:	9.260068			
Predicted MQL:	30.866894			

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.06756	.068	.000	-.00903	.001	1
CalibStd-1	2500.0	2471.3	-28.7	-1.15	.60418	.002	1
CalibStd-2	5000.0	4943.6	-56.4	-1.13	1.2176	.009	1
CalibStd-4	40000.	39984.	-16.3	-.041	9.9125	.053	1
CalibStd-6	80000.	79896.	-104.	-.130	19.816	.056	1
CalibStd-5	60000.	59918.	-82.1	-.137	14.859	.056	1
CalibStd-7	100000.	100390.	389.	.389	24.901	.103	1
CalibStd-3	20000.	19898.	-102.	-.508	4.9285	.034	1

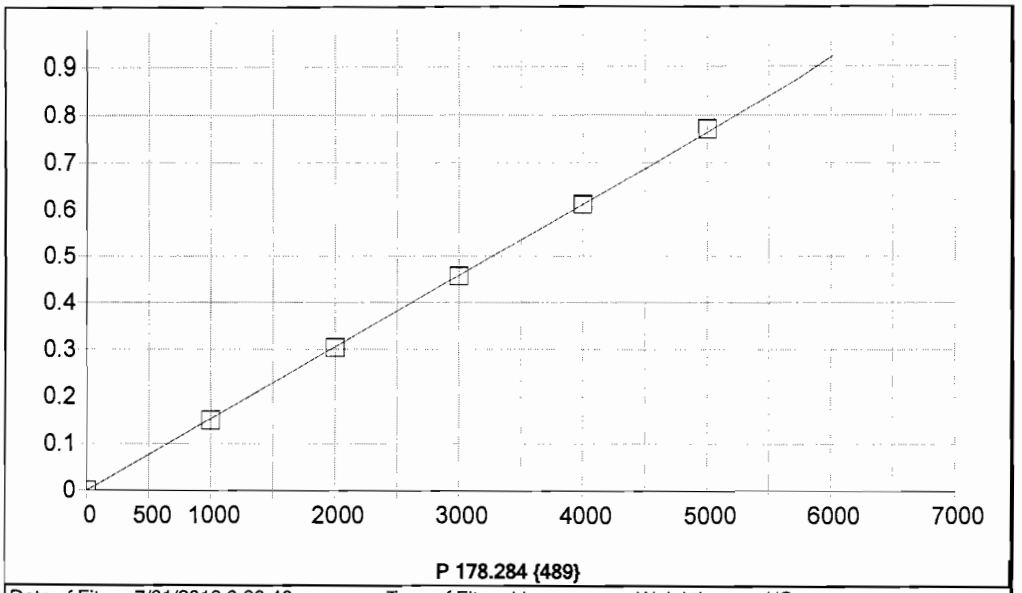


Ni 231.604 {445}

Date of Fit: 7/31/2013 9:23:46 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.003860	Re-Slope:	1.000000
A1 (Gain):	0.000906	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999979	Status:	OK.
Std Error of Est:	0.000264		
Predicted MDL:	0.829181		
Predicted MQL:	2.763936		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00359	-.004	.000	.00386	.000	1
CalibStd-1	40.000	41.723	1.72	4.31	.04164	.000	1
CalibStd-2	80.000	82.414	2.41	3.02	.07849	.000	1
CalibStd-3	2500.0	2540.5	40.5	1.62	2.3043	.005	1
CalibStd-4	5000.0	5044.8	44.8	.896	4.5719	.013	1
CalibStd-5	7500.0	7494.4	-5.60	-.075	6.7901	.001	1
CalibStd-6	10000.	9942.5	-57.5	-.575	9.0068	.020	1
CalibStd-7	12500.	12474.	-26.3	-.210	11.299	.032	1

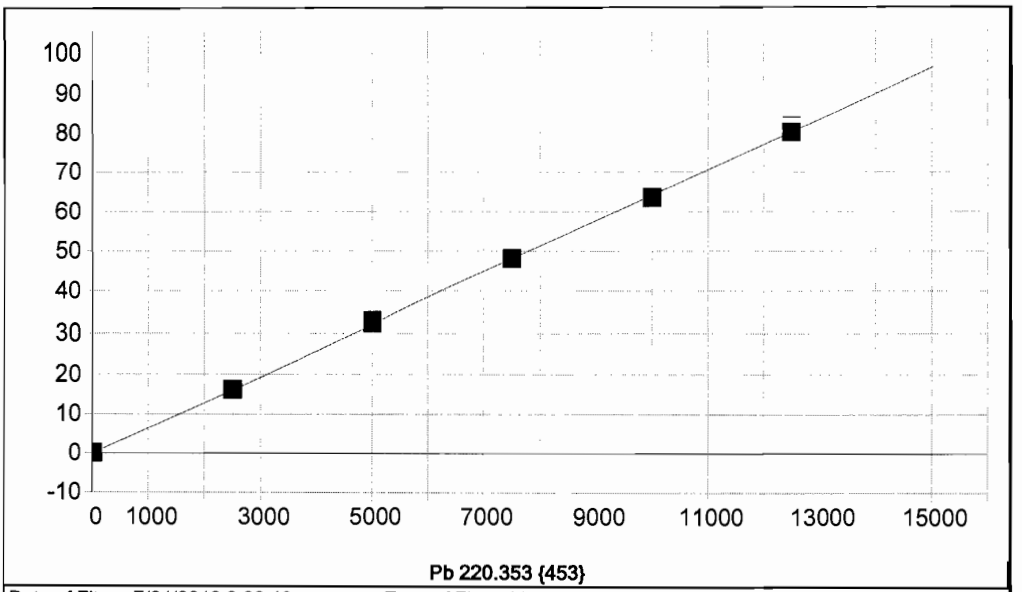


P 178.284 {489}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000338	Re-Slope:	1.000000
A1 (Gain):	0.000153	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000185		
Predicted MDL:	1.716257		
Predicted MQL:	5.720858		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	1000.0	979.90	-20.1	-2.01	.14996	.000	1
CalibStd-4	2000.0	1986.5	-13.5	-.673	.30366	.001	1
CalibStd-5	3000.0	2987.8	-12.2	-.406	.45655	.001	1
CalibStd-6	4000.0	3999.3	-.707	-.018	.61099	.002	1
CalibStd-7	5000.0	5046.4	46.4	.929	.77087	.001	1
CalibStd-Blan	.00000	.02178	.022	.000	.00034	.000	1

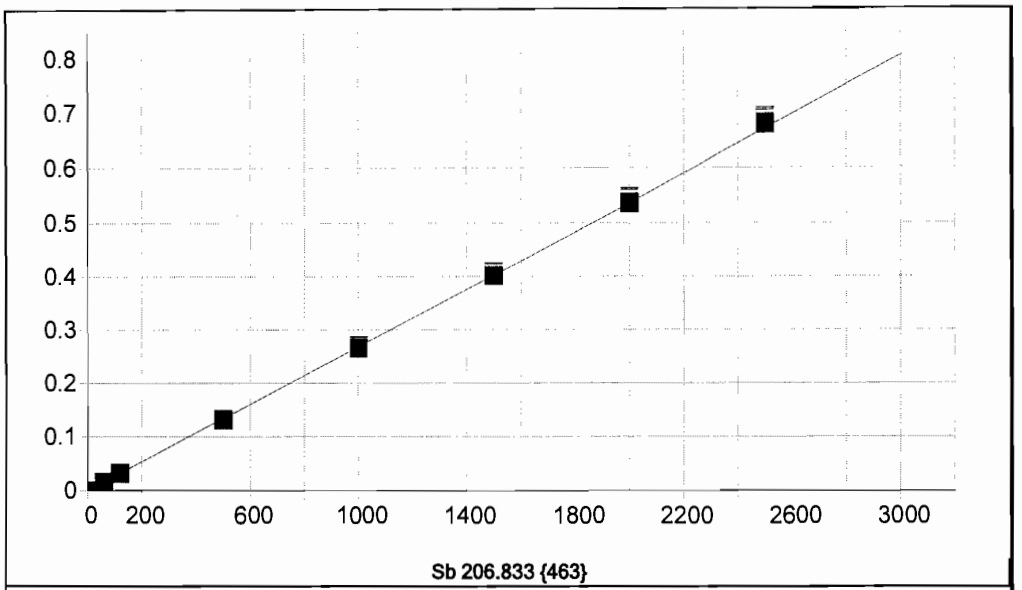


Pb 220.353 {453}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.008903	Re-Slope:	1.000000
A1 (Gain):	0.006420	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.001143		
Predicted MDL:	0.600472		
Predicted MQL:	2.001574		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00101	-.001	.000	-.00891	.001	1
CalibStd-1	10.000	10.542	.542	5.42	.05977	.010	1
CalibStd-2	20.000	20.626	.626	3.13	.12549	.001	1
CalibStd-3	2500.0	2531.8	31.8	1.27	16.232	.050	1
CalibStd-4	5000.0	5068.7	68.7	1.37	32.506	.279	1
CalibStd-5	7500.0	7491.5	-8.51	-.113	48.046	.123	1
CalibStd-6	10000.	9901.5	-98.5	-.985	63.505	.128	1
CalibStd-7	12500.	12505.	5.35	.043	80.209	1.50	1

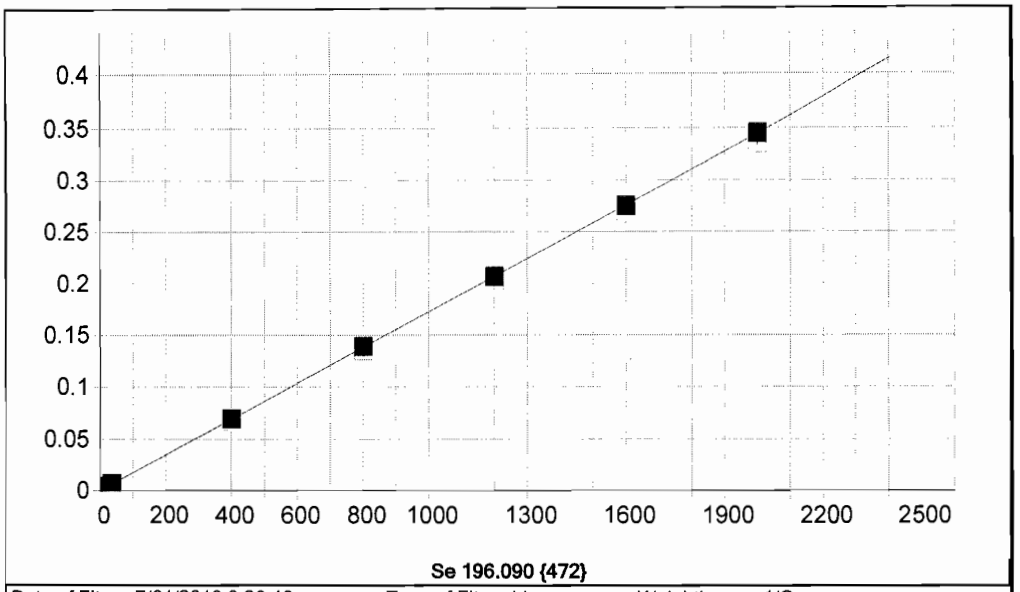


Sb 206.833 {463}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000065	Re-Slope:	1.000000
A1 (Gain):	0.000268	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000068		
Predicted MDL:	1.696212		
Predicted MQL:	5.654038		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00225	.002	.000	.00007	.000	1
CalibStd-1	60.000	59.704	-.296	-.494	.01609	.000	1
CalibStd-2	120.00	119.41	-.593	-.494	.03212	.000	1
CalibStd-3	500.00	487.73	-12.3	-2.45	.13320	.000	1
CalibStd-4	1000.0	988.24	-11.8	-1.18	.26975	.001	1
CalibStd-5	1500.0	1495.6	-4.40	-.293	.40815	.001	1
CalibStd-6	2000.0	1999.7	-.252	-.013	.54569	.001	1
CalibStd-7	2500.0	2529.6	29.6	1.18	.69011	.002	1

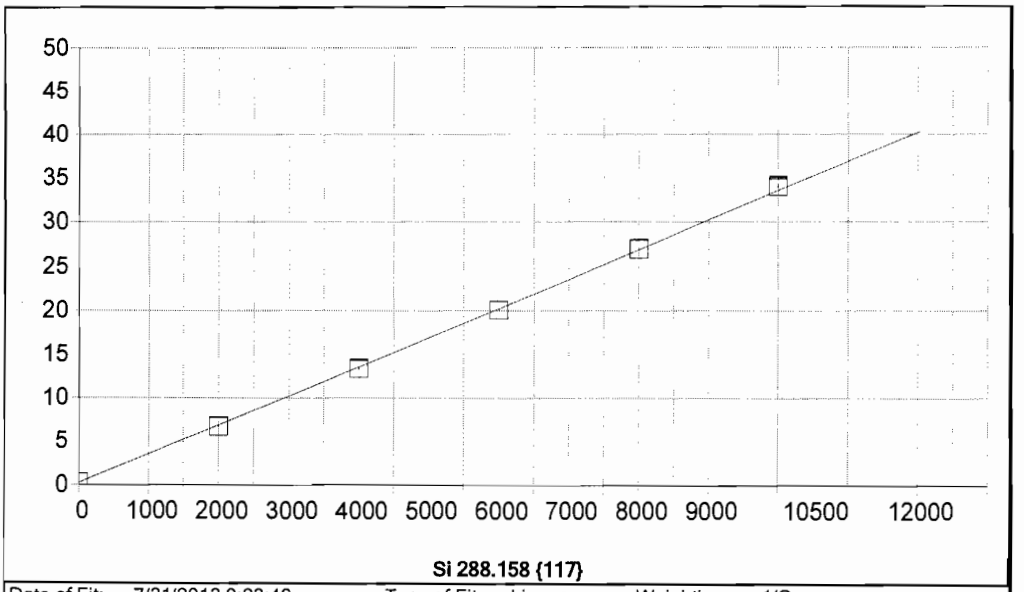


Se 196.090 {472}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000277	Re-Slope:	1.000000
A1 (Gain):	0.000172	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999943	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	2.256348		
Predicted MQL:	7.521160		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00389	-.004	.000	.00028	.000	1
CalibStd-1	17.500	20.475	2.97	17.0	.00380	.000	1
CalibStd-2	35.000	36.810	1.81	5.17	.00661	.000	1
CalibStd-3	400.00	401.40	1.40	.349	.06742	.000	1
CalibStd-4	800.00	802.66	2.66	.333	.13454	.001	1
CalibStd-5	1200.0	1197.2	-2.80	-.234	.20050	.001	1
CalibStd-6	1600.0	1593.5	-6.48	-.405	.26676	.001	1
CalibStd-7	2000.0	2000.3	.296	.015	.33483	.001	1

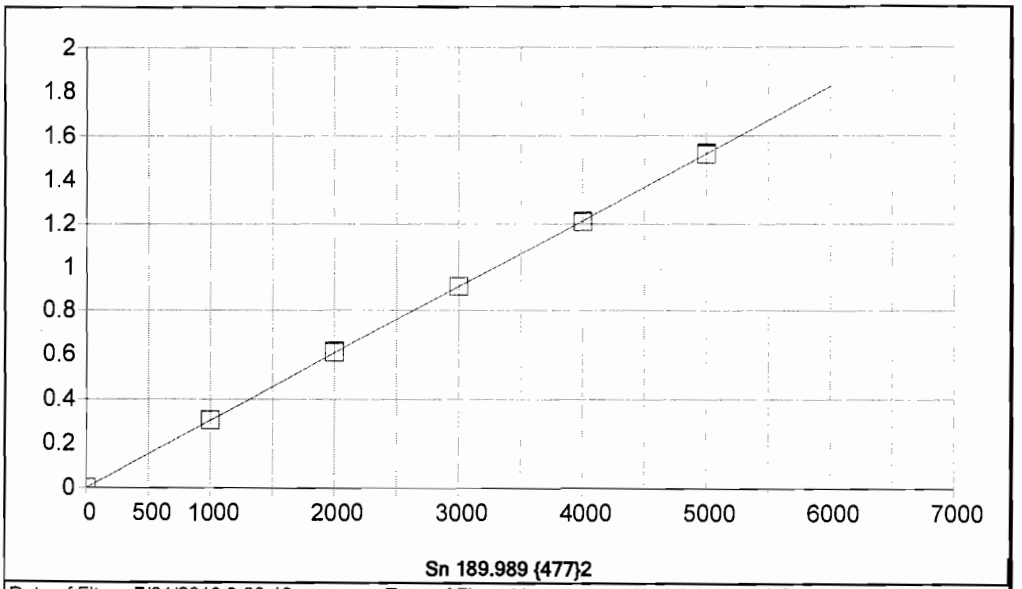


Si 288.158 {117}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.218272	Re-Slope:	1.000000
A1 (Gain):	0.003333	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999926	Status:	OK.
Std Error of Est:	0.012101		
Predicted MDL:	0.849116		
Predicted MQL:	2.830386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	2000.0	1948.7	-51.3	-2.57	6.7128	.043	1
CalibStd-4	4000.0	3940.9	-59.1	-1.48	13.353	.081	1
CalibStd-5	6000.0	5951.8	-48.2	-.803	20.055	.024	1
CalibStd-6	8000.0	8027.0	27.0	.338	26.971	.051	1
CalibStd-7	10000.	10132.	132.	1.32	33.985	.160	1
CalibStd-Blan	.00000	.06389	.064	.000	.21849	.001	1

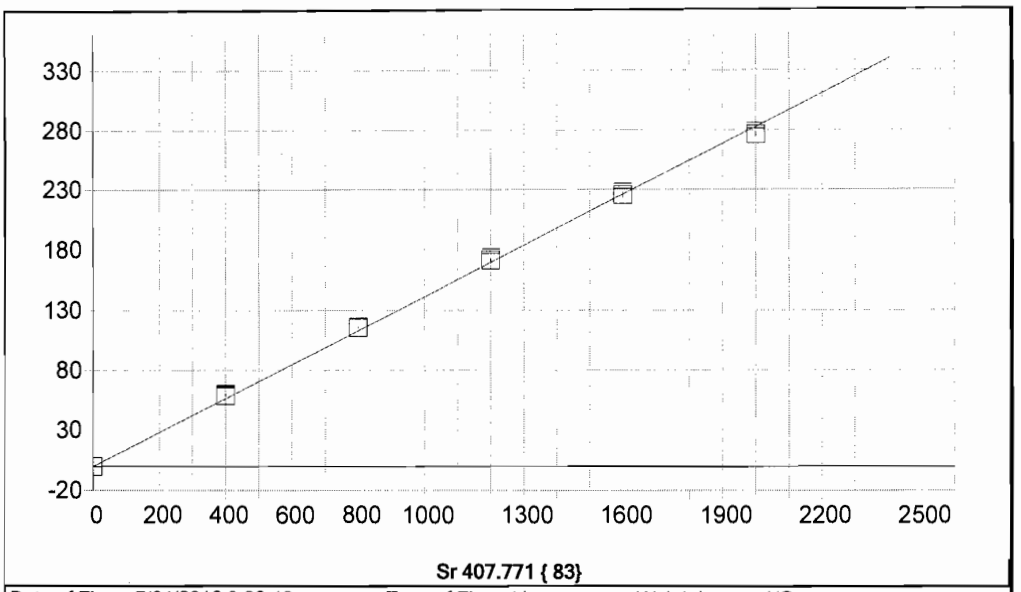


Sn 189.989 {477}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000272	Re-Slope:	1.000000
A1 (Gain):	0.000303	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999996	Status:	OK.
Std Error of Est:	0.000126		
Predicted MDL:	0.930465		
Predicted MQL:	3.101549		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	1000.0	1003.5	3.54	.354	.30483	.001	1
CalibStd-4	2000.0	2010.3	10.3	.517	.61039	.003	1
CalibStd-5	3000.0	2999.5	-.512	-.017	.91058	.000	1
CalibStd-6	4000.0	3986.1	-13.9	-.347	1.2100	.003	1
CalibStd-7	5000.0	5000.5	.518	.010	1.5179	.005	1
CalibStd-Blan	.00000	-.00517	-.005	.000	.00027	.000	1

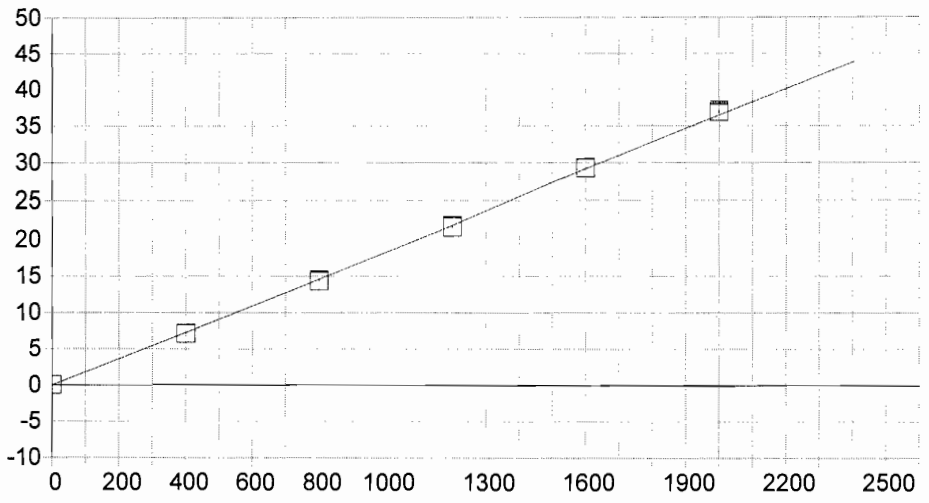


Sr 407.771 { 83}

Date of Fit: 7/31/2013 9:23:46 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.025235	Re-Slope:	1.000000
A1 (Gain):	0.141344	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999798	Status:	OK.
Std Error of Est:	0.170212		
Predicted MDL:	0.009911		
Predicted MQL:	0.033037		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	400.00	417.36	17.4	4.34	58.966	.967	1
CalibStd-4	800.00	819.79	19.8	2.47	115.85	.425	1
CalibStd-5	1200.0	1213.0	13.0	1.09	171.43	1.82	1
CalibStd-6	1600.0	1595.0	-4.96	-.310	225.42	2.17	1
CalibStd-7	2000.0	1954.8	-45.2	-2.26	276.27	2.33	1
CalibStd-Blan	.00000	-.02131	-.021	.000	-.02825	.002	1

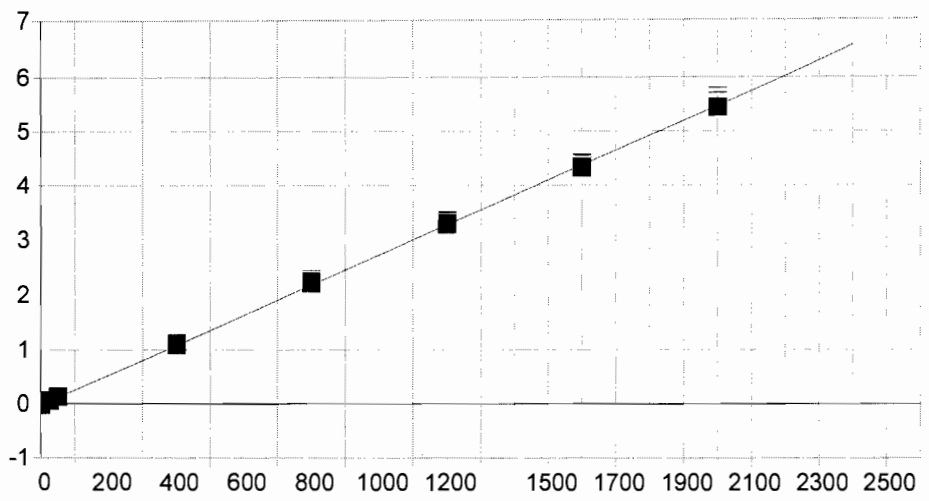


Ti 334.904 {101}2

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.016329	Re-Slope:	1.000000
A1 (Gain):	0.018238	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.012412		
Predicted MDL:	0.252974		
Predicted MQL:	0.843247		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-3	400.00	390.92	-9.08	-2.27	7.1132	.039	1
CalibStd-4	800.00	789.23	-10.8	-1.35	14.378	.091	1
CalibStd-5	1200.0	1189.2	-10.8	-.897	21.673	.076	1
CalibStd-6	1600.0	1606.0	5.98	.374	29.273	.049	1
CalibStd-7	2000.0	2024.6	24.6	1.23	36.909	.203	1
CalibStd-Blan	.00000	.01163	.012	.000	-.01612	.002	1

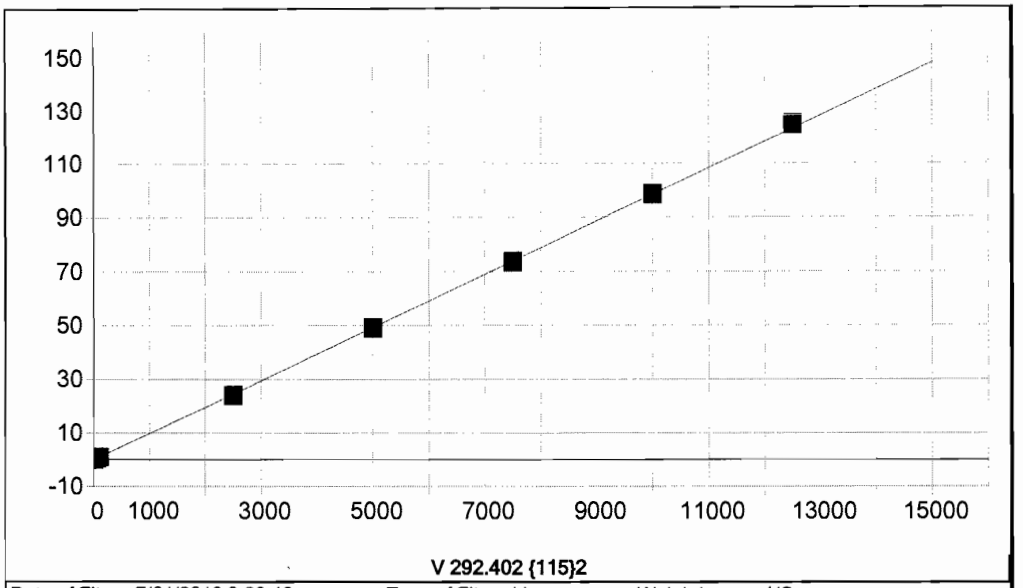


TI 190.856 {477}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.017532	Re-Slope:	1.000000
A1 (Gain):	0.002744	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999912	Status:	OK.
Std Error of Est:	0.000526		
Predicted MDL:	0.726542		
Predicted MQL:	2.421807		

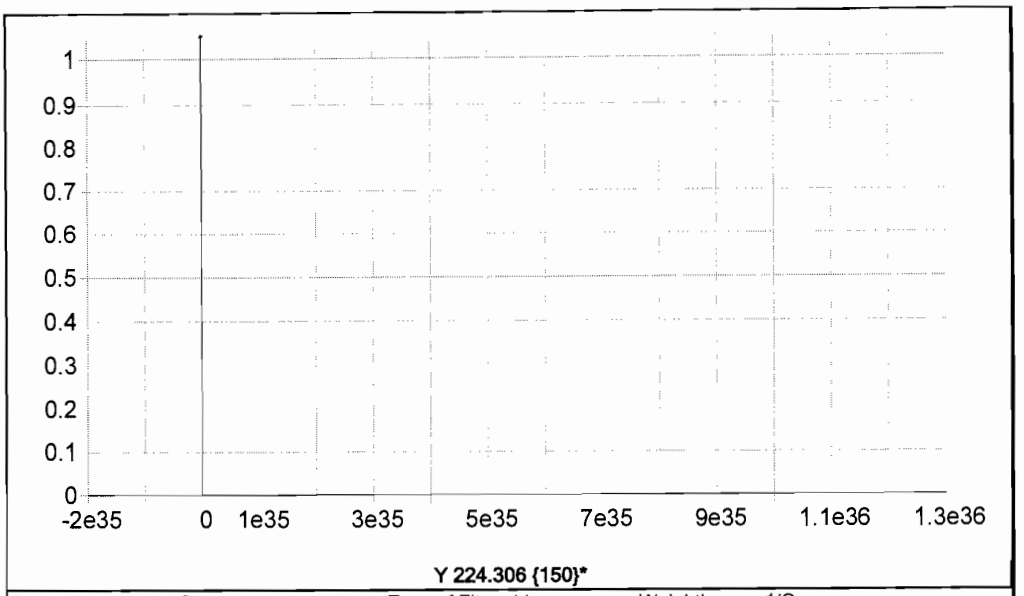
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00453	-.005	.000	-.01754	.004	1
CalibStd-1	25.000	26.975	1.98	7.90	.05698	.003	1
CalibStd-2	50.000	54.244	4.24	8.49	.13229	.001	1
CalibStd-3	400.00	405.68	5.68	1.42	1.1144	.005	1
CalibStd-4	800.00	813.53	13.5	1.69	2.2523	.023	1
CalibStd-5	1200.0	1203.4	3.43	.285	3.3409	.012	1
CalibStd-6	1600.0	1581.3	-18.7	-1.17	4.3964	.011	1
CalibStd-7	2000.0	1990.0	-10.0	-.502	5.5366	.105	1



Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.007103	Re-Slope:	1.000000
A1 (Gain):	0.009852	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999961	Status:	OK.
Std Error of Est:	0.004369		
Predicted MDL:	0.392045		
Predicted MQL:	1.306816		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00137	.001	.000	-.00709	.002	1
CalibStd-1	50.000	50.086	.086	.172	.48637	.004	1
CalibStd-2	100.00	99.478	-.522	-.522	.97301	.006	1
CalibStd-3	2500.0	2446.6	-53.4	-2.13	24.115	.123	1
CalibStd-4	5000.0	4958.1	-41.9	-.838	48.875	.279	1
CalibStd-5	7500.0	7464.0	-36.0	-.480	73.581	.291	1
CalibStd-6	10000.	10005.	4.97	.050	98.633	.186	1
CalibStd-7	12500.	12627.	127.	1.01	124.48	.645	1

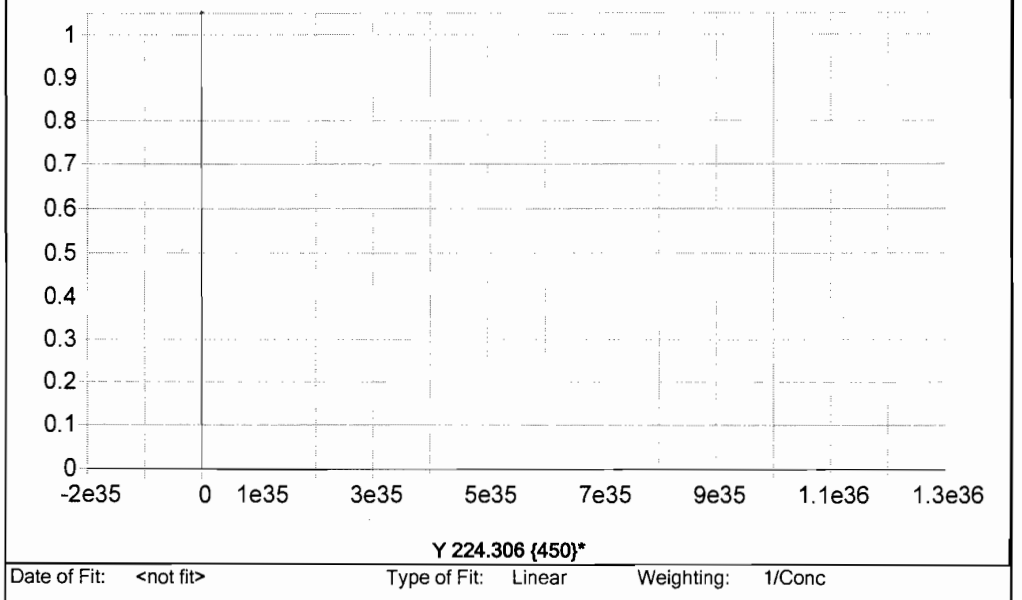


Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

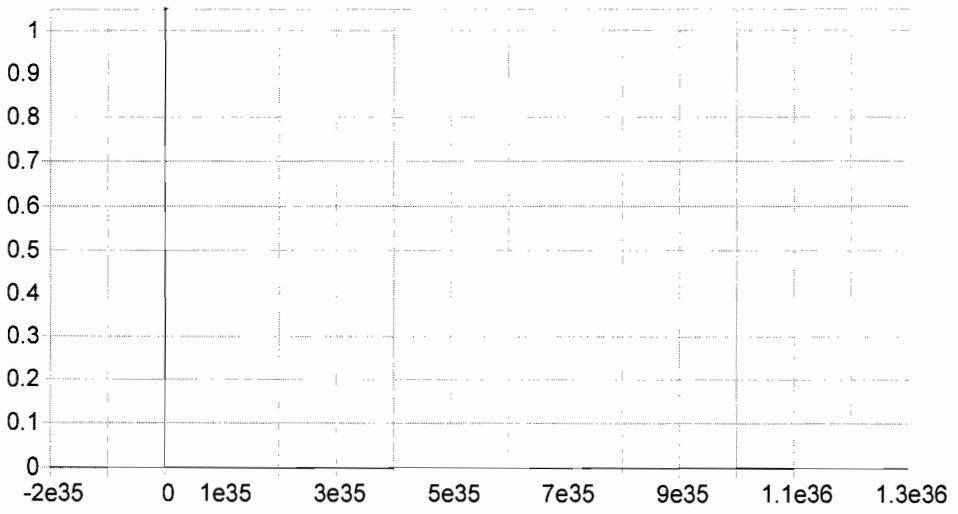


Y 224.306 {450}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

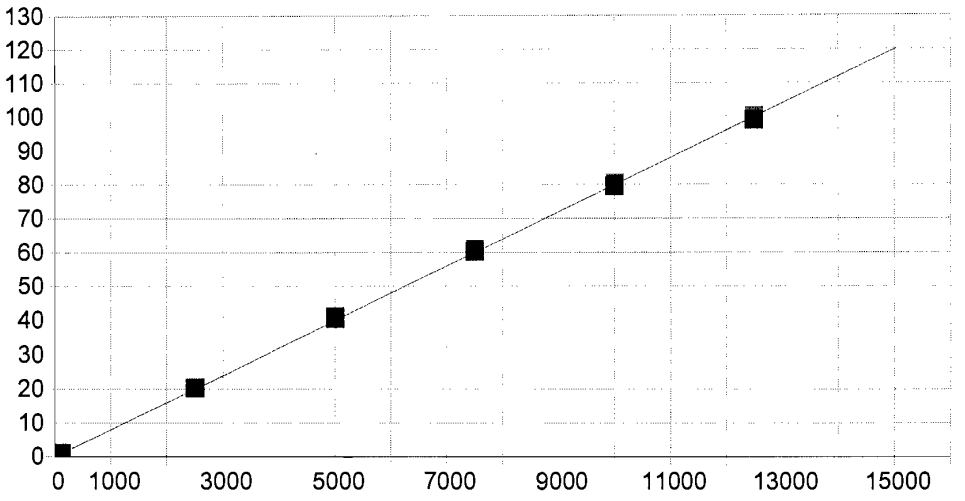


Y 371.030 { 91}*

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Zn 213.856 {458}

Date of Fit:	7/31/2013 9:23:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007469	Re-Slope:	1.000000
A1 (Gain):	0.007990	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999946	Status:	OK.
Std Error of Est:	0.004598		
Predicted MDL:	0.079532		
Predicted MQL:	0.265107		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00665	-.007	.000	.00742	.000	1
CalibStd-1	60.000	62.264	2.26	3.77	.50742	.002	1
CalibStd-2	120.00	125.79	5.79	4.82	1.0174	.001	1
CalibStd-3	2500.0	2546.4	46.4	1.86	20.520	.053	1
CalibStd-4	5000.0	5080.9	80.9	1.62	40.938	.076	1
CalibStd-5	7500.0	7538.7	38.7	.516	60.743	.084	1
CalibStd-6	10000.	9941.5	-58.5	-.585	80.108	.190	1
CalibStd-7	12500.	12384.	-116.	-.924	99.795	.203	1

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-Blank Acquired: 7/30/2013 19:00:27 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S0

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0042	-.0021	-.0001	-.0001	.0003
Stddev	.0007	.0009	.0005	.0001	.0004
%RSD	15.48	43.38	969.1	50.96	127.4
#1	-.0049	-.0031	.0005	-.0002	.0005
#2	-.0036	-.0016	-.0006	-.0001	-.0002
#3	-.0042	-.0015	-.0001	-.0002	.0006

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0035	-.0040	-.0005	.3222
Stddev	.0013	.0010	.0002	.0006	.0061
%RSD	562.8	29.69	4.911	108.1	1.893
#1	-.0009	-.0040	-.0039	-.0011	.3267
#2	.0016	-.0023	-.0042	.0000	.3246
#3	.0000	-.0041	-.0039	-.0005	.3152

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0126	-.0040	-.0003	.0011	-.0090
Stddev	.0029	.0018	.0005	.0019	.0012
%RSD	23.40	45.15	149.0	171.0	13.21
#1	-.0159	-.0044	-.0009	.0003	-.0080
#2	-.0103	-.0055	.0002	.0033	-.0088
#3	-.0115	-.0020	-.0004	-.0003	-.0103

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2
7/31/2013 10:13:54

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-Blank Acquired: 7/30/2013 19:00:27 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S0

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0039	-.0089	.0001	.0003	-.0175
Stddev	.0003	.0015	.0000	.0001	.0036
%RSD	7.568	16.67	65.38	43.94	20.42
#1	.0037	-.0101	.0001	.0003	-.0216
#2	.0037	-.0073	.0000	.0001	-.0160
#3	.0042	-.0093	.0000	.0004	-.0150

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	-.0071	.0074
Stddev	.0024	.0005
%RSD	34.39	6.419
#1	-.0043	.0080
#2	-.0084	.0071
#3	-.0086	.0072

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.62	1728.3	1452.2	7316.5
Stddev	.64	4.9	3.3	26.1
%RSD	.42828	.28197	.22404	.35700
#1	148.33	1724.8	1449.3	7345.2
#2	148.18	1726.2	1455.7	7294.2
#3	149.35	1733.8	1451.7	7310.1

2
2
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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-1 Acquired: 7/30/2013 19:08:21 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0264	.0211	.0027	.0256	.0711
Stddev	.0014	.0007	.0003	.0004	.0004
%RSD	5.124	3.131	12.43	1.569	.5259
#1	.0264	.0219	.0024	.0252	.0708
#2	.0250	.0206	.0027	.0255	.0715
#3	.0277	.0209	.0031	.0260	.0711

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0878	.0179	.0991	.0296	.7916
Stddev	.0007	.0004	.0004	.0004	.0054
%RSD	.7761	2.487	.3723	1.266	.6792
#1	.0870	.0180	.0989	.0292	.7922
#2	.0882	.0183	.0988	.0299	.7967
#3	.0883	.0174	.0995	.0298	.7860

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0336	.1313	.0936	.8497	.6042
Stddev	.0009	.0023	.0006	.0045	.0024
%RSD	2.623	1.766	.6163	.5292	.3940
#1	.0326	.1331	.0942	.8470	.6050
#2	.0341	.1286	.0930	.8472	.6060
#3	.0340	.1321	.0937	.8549	.6015

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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-1 Acquired: 7/30/2013 19:08:21 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0416	.0598	.0161	.0038	.0570
Stddev	.0004	.0098	.0001	.0004	.0028
%RSD	.9504	16.37	.8388	10.17	4.989
#1	.0412	.0488	.0160	.0038	.0563
#2	.0418	.0677	.0162	.0042	.0546
#3	.0419	.0628	.0161	.0034	.0601

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	.4864	.5074
Stddev	.0037	.0018
%RSD	.7578	.3529
#1	.4864	.5077
#2	.4827	.5055
#3	.4901	.5091

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.92	1734.8	1458.5	7331.0
Stddev	.44	7.1	4.7	23.8
%RSD	.29382	.41063	.32426	.32434
#1	151.43	1729.2	1455.5	7356.5
#2	150.67	1742.8	1464.0	7327.1
#3	150.65	1732.5	1456.1	7309.4

2
2
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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-2 Acquired: 7/30/2013 19:16:16 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0562	.0426	.0051	.0513	.1422
Stddev	.0002	.0007	.0002	.0002	.0003
%RSD	.4226	1.549	3.694	.4131	.2256
#1	.0560	.0422	.0052	.0511	.1419
#2	.0564	.0434	.0052	.0515	.1426
#3	.0561	.0423	.0049	.0513	.1421

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1739	.0399	.2027	.0591	1.272
Stddev	.0016	.0002	.0005	.0001	.001
%RSD	.9243	.4244	.2268	.1675	.0822
#1	.1722	.0397	.2022	.0591	1.273
#2	.1754	.0398	.2029	.0590	1.273
#3	.1742	.0400	.2030	.0592	1.271

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0810	.2637	.1871	1.692	1.218
Stddev	.0032	.0009	.0012	.006	.009
%RSD	3.908	.3570	.6208	.3855	.7054
#1	.0835	.2643	.1860	1.694	1.208
#2	.0821	.2641	.1883	1.698	1.222
#3	.0774	.2626	.1869	1.685	1.223

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7/31/2013 10:13:58

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-2 Acquired: 7/30/2013 19:16:16 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0785	.1255	.0321	.0066	.1323
Stddev	.0003	.0014	.0004	.0004	.0012
%RSD	.3515	1.078	1.171	6.255	.9060
#1	.0787	.1249	.0320	.0063	.1309
#2	.0782	.1270	.0326	.0071	.1333
#3	.0786	.1246	.0319	.0065	.1327

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	.9730	1.017
Stddev	.0057	.001
%RSD	.5905	.1291
#1	.9665	1.018
#2	.9751	1.016
#3	.9774	1.018

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	149.67	1721.0	1448.5	7356.8
Stddev	1.63	7.1	5.8	7.4
%RSD	1.0873	.41287	.40325	.10117
#1	149.68	1723.6	1441.8	7358.7
#2	151.29	1713.0	1452.9	7363.1
#3	148.04	1726.5	1450.7	7348.6

2
2
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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-3 Acquired: 7/30/2013 19:24:10 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6212	6.487	.1071	.3233	17.60
Stddev	.0071	.042	.0007	.0028	.13
%RSD	1.150	.6529	.6093	.8604	.7664
#1	.6160	6.438	.1064	.3204	17.44
#2	.6181	6.508	.1077	.3236	17.67
#3	.6293	6.514	.1073	.3260	17.68

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.071	1.717	2.017	2.361	49.90
Stddev	.019	.004	.001	.005	.25
%RSD	.9242	.2151	.0462	.2330	.4989
#1	2.050	1.713	2.016	2.355	49.61
#2	2.075	1.721	2.018	2.365	50.01
#3	2.088	1.716	2.018	2.363	50.07

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	25.41	1.064	2.216	136.6	4.929
Stddev	.18	.007	.019	.8	.034
%RSD	.7214	.7059	.8761	.5929	.6846
#1	25.21	1.056	2.194	135.7	4.890
#2	25.49	1.068	2.226	137.0	4.953
#3	25.55	1.070	2.229	137.2	4.942

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7/31/2013 10:13:59

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-3 Acquired: 7/30/2013 19:24:10 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.304	16.23	.1332	.0674	1.114
Stddev	.005	.05	.0002	.0004	.005
%RSD	.2314	.3089	.1613	.6603	.4698
#1	2.298	16.19	.1334	.0670	1.108
#2	2.306	16.29	.1332	.0679	1.117
#3	2.309	16.22	.1330	.0673	1.118

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	24.11	20.52
Stddev	.12	.05
%RSD	.5105	.2592
#1	23.97	20.46
#2	24.18	20.56
#3	24.19	20.54

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	142.74	1662.3	1402.0	7322.1
Stddev	.32	5.0	.9	65.0
%RSD	.22565	.30240	.06606	.88820
#1	142.98	1667.2	1402.7	7366.2
#2	142.37	1657.2	1402.5	7352.6
#3	142.86	1662.7	1401.0	7247.4

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7/31/2013 10:13:59

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-4 Acquired: 7/30/2013 19:32:01 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.235	13.02	.2173	.6385	35.23
Stddev	.015	.07	.0011	.0045	.23
%RSD	1.244	.5750	.5178	.6987	.6502
#1	1.219	12.95	.2160	.6335	35.01
#2	1.236	13.01	.2177	.6399	35.21
#3	1.250	13.10	.2181	.6420	35.47

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.093	3.471	4.035	4.723	101.7
Stddev	.029	.011	.011	.018	.6
%RSD	.7036	.3170	.2675	.3759	.5908
#1	4.064	3.459	4.024	4.704	101.2
#2	4.092	3.472	4.035	4.727	101.5
#3	4.122	3.481	4.045	4.739	102.4

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	50.70	2.133	4.409	267.4	9.912
Stddev	.28	.018	.034	1.5	.053
%RSD	.5592	.8444	.7598	.5679	.5361
#1	50.42	2.115	4.374	265.7	9.854
#2	50.69	2.134	4.412	268.5	9.925
#3	50.99	2.151	4.441	268.0	9.958

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7/31/2013 10:14:01

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-4 Acquired: 7/30/2013 19:32:01 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.572	32.51	.2698	.1345	2.252
Stddev	.014	.28	.0007	.0006	.023
%RSD	.2953	.8570	.2758	.4159	1.033
#1	4.556	32.23	.2690	.1350	2.233
#2	4.578	32.79	.2704	.1339	2.278
#3	4.581	32.50	.2699	.1347	2.245

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	48.88	40.94
Stddev	.28	.08
%RSD	.5716	.1860
#1	48.62	40.85
#2	48.83	40.99
#3	49.18	40.98

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	137.89	1608.6	1363.3	7256.1
Stddev	1.05	2.2	3.6	32.6
%RSD	.75797	.13548	.26044	.44997
#1	138.28	1606.9	1360.5	7292.3
#2	136.70	1607.8	1362.2	7228.8
#3	138.68	1611.1	1367.3	7247.3

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7/31/2013 10:14:01

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-5 Acquired: 7/30/2013 19:39:57 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.845	19.54	.3264	.9448	52.22
Stddev	.011	.09	.0005	.0018	.23
%RSD	.6097	.4484	.1642	.1946	.4379
#1	1.833	19.45	.3269	.9427	51.97
#2	1.846	19.55	.3258	.9456	52.27
#3	1.855	19.62	.3265	.9461	52.41

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.061	5.216	6.006	7.067	154.5
Stddev	.021	.003	.007	.008	.6
%RSD	.3536	.0508	.1152	.1088	.3745
#1	6.036	5.219	6.012	7.073	153.8
#2	6.072	5.214	6.008	7.069	154.8
#3	6.074	5.215	5.999	7.058	154.9

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	75.86	3.203	6.568	397.9	14.86
Stddev	.11	.009	.031	2.4	.06
%RSD	.1456	.2779	.4663	.5957	.3752
#1	75.73	3.192	6.535	397.9	14.81
#2	75.89	3.207	6.576	395.6	14.84
#3	75.94	3.208	6.594	400.3	14.92

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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-5 Acquired: 7/30/2013 19:39:57 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.790	48.05	.4082	.2005	3.341
Stddev	.001	.12	.0008	.0008	.012
%RSD	.0171	.2561	.2074	.4177	.3508
#1	6.791	47.91	.4091	.2015	3.328
#2	6.789	48.08	.4076	.2001	3.351
#3	6.790	48.15	.4077	.2000	3.343

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	73.58	60.74
Stddev	.29	.08
%RSD	.3951	.1376
#1	73.31	60.84
#2	73.54	60.68
#3	73.89	60.71

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	134.51	1559.0	1323.2	7158.9
Stddev	.11	1.2	4.3	33.3
%RSD	.08530	.07522	.32729	.46546
#1	134.45	1557.9	1318.2	7181.1
#2	134.65	1560.2	1326.1	7175.0
#3	134.44	1558.8	1325.4	7120.6

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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-6 Acquired: 7/30/2013 19:47:51 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.448	26.09	.4392	1.247	68.04
Stddev	.021	.07	.0008	.003	.35
%RSD	.8568	.2622	.1913	.2382	.5077
#1	2.449	26.06	.4402	1.247	68.19
#2	2.426	26.03	.4386	1.245	67.64
#3	2.468	26.16	.4389	1.251	68.28

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.987	7.003	8.002	9.424	202.6
Stddev	.035	.006	.025	.019	.9
%RSD	.4335	.0899	.3095	.2061	.4204
#1	7.991	7.006	7.997	9.437	202.1
#2	7.951	6.995	7.980	9.402	203.5
#3	8.020	7.007	8.029	9.434	202.0

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	101.1	4.290	8.708	524.6	19.82
Stddev	.3	.020	.039	5.8	.06
%RSD	.2595	.4709	.4424	1.097	.2826
#1	100.8	4.286	8.702	518.0	19.81
#2	101.3	4.272	8.673	528.7	19.76
#3	101.1	4.312	8.749	527.0	19.87

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7/31/2013 10:14:04

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-6 Acquired: 7/30/2013 19:47:51 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.007	63.50	.5457	.2668	4.396
Stddev	.020	.13	.0015	.0012	.011
%RSD	.2232	.2012	.2677	.4499	.2503
#1	9.023	63.55	.5474	.2674	4.403
#2	8.984	63.36	.5449	.2675	4.384
#3	9.013	63.60	.5448	.2654	4.403

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	98.63	80.11
Stddev	.19	.19
%RSD	.1888	.2368
#1	98.52	80.33
#2	98.85	79.99
#3	98.54	80.01

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	132.89	1522.8	1300.6	7155.5
Stddev	.69	2.8	6.9	52.5
%RSD	.51701	.18654	.52685	.73318
#1	132.11	1524.0	1292.7	7138.3
#2	133.41	1519.6	1304.5	7214.3
#3	133.14	1524.8	1304.6	7113.7

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7/31/2013 10:14:04

Test America Inc., Burlington
METICP7

Sample Name: CalibStd-7 Acquired: 7/30/2013 19:56:00 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.040	32.66	.5541	1.543	84.44
Stddev	.026	.12	.0011	.006	1.25
%RSD	.8445	.3719	.2002	.3611	1.480
#1	3.064	32.60	.5531	1.541	85.68
#2	3.013	32.59	.5553	1.539	84.44
#3	3.043	32.80	.5540	1.550	83.19

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.893	8.853	10.06	11.89	258.0
Stddev	.034	.024	.04	.04	1.2
%RSD	.3398	.2678	.3756	.3021	.4794
#1	9.870	8.828	10.02	11.85	257.4
#2	9.877	8.875	10.10	11.92	257.1
#3	9.931	8.856	10.07	11.90	259.4

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	126.1	5.383	10.83	661.8	24.90
Stddev	.4	.028	.03	3.9	.10
%RSD	.3174	.5185	.2861	.5876	.4121
#1	126.0	5.355	10.82	657.9	24.82
#2	125.8	5.381	10.80	661.8	24.87
#3	126.6	5.411	10.86	665.7	25.02

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Test America Inc., Burlington
METICP7

Sample Name: CalibStd-7 Acquired: 7/30/2013 19:56:00 Type: Cal
Method: ism1.2(v759) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.30	80.21	.6901	.3348	5.537
Stddev	.03	1.50	.0021	.0013	.105
%RSD	.2792	1.872	.3016	.3784	1.903
#1	11.26	79.46	.6881	.3347	5.491
#2	11.32	81.94	.6922	.3361	5.657
#3	11.31	79.22	.6900	.3336	5.462

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S
Avg	124.5	99.79
Stddev	.6	.20
%RSD	.5181	.2032
#1	124.4	99.61
#2	123.9	100.0
#3	125.2	99.77

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	128.88	1490.4	1268.4	7138.8
Stddev	2.57	3.6	3.8	76.4
%RSD	1.9971	.23880	.30071	1.0703
#1	129.85	1486.3	1269.4	7051.1
#2	125.96	1492.1	1264.2	7190.9
#3	130.83	1492.7	1271.6	7174.3

2
2
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Test America Inc., Burlington
METICP7

Sample Name: ICV-ISM Acquired: 7/30/2013 20:04:09 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICV

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	482.6	2666.	989.0	530.5	509.5
Stddev	7.3	17.	8.9	6.0	4.6
%RSD	1.515	.6433	.9003	1.130	.8993
#1	474.7	2674.	978.7	525.0	504.7
#2	483.8	2646.	993.6	529.7	510.1
#3	489.2	2677.	994.7	536.9	513.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10700.	486.3	521.7	495.1	472.8
Stddev	62.	3.7	3.1	2.8	3.9
%RSD	.5765	.7542	.5910	.5681	.8151
#1	10620.	482.1	518.2	491.8	468.5
#2	10730.	489.0	524.1	496.6	475.9
#3	10740.	487.9	522.8	496.8	473.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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3
7/31/2013 10:14:08

Test America Inc., Burlington
METICP7

Sample Name: ICV-ISM Acquired: 7/30/2013 20:04:09 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5282.	10250.	6339.	533.4	10170.
Stddev	45.	74.	49.	4.1	81.
%RSD	.8490	.7232	.7721	.7732	.7990
#1	5233.	10170.	6283.	528.7	10090.
#2	5320.	10320.	6360.	536.3	10170.
#3	5293.	10260.	6375.	535.2	10250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	532.3	1026.	1003.	1012.	1101.
Stddev	2.1	4.	6.	8.	3.
%RSD	.3978	.3751	.5877	.7999	.3057
#1	530.3	1022.	996.7	1005.	1099.
#2	534.5	1029.	1007.	1012.	1100.
#3	532.2	1028.	1007.	1021.	1105.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

2
3
7/31/2013 10:14:08

Test America Inc., Burlington
METICP7

Sample Name: ICV-ISM Acquired: 7/30/2013 20:04:09 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICV

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	511.0	1056.
Stddev	5.0	6.
%RSD	.9766	.5721
#1	505.2	1049.
#2	514.3	1060.
#3	513.5	1058.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.05	1701.7	1437.3	7373.0
Stddev	.54	15.0	5.9	96.5
%RSD	.36318	.88313	.40988	1.3085
#1	149.61	1718.9	1438.1	7474.8
#2	149.87	1691.1	1431.1	7361.2
#3	150.66	1695.0	1442.8	7282.9

3
3
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Test America Inc., Burlington
METICP7

Sample Name: ICB-ISM Acquired: 7/30/2013 20:11:53 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICB

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1934	-6.826	-.2199	1.404	.1097
Stddev	.1079	5.746	1.727	1.146	.0553
%RSD	55.81	84.18	785.4	81.66	50.40
#1	.2643	-12.51	-1.465	1.021	.1200
#2	.2467	-6.943	1.752	2.693	.1591
#3	.0692	-1.022	-.9463	.4979	.0500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.929	-.0243	.3752	.1185	.1136
Stddev	16.22	.0973	.2488	.2228	.2184
%RSD	329.1	400.6	66.31	187.9	192.3
#1	.2723	-.1366	.5131	.3422	.0822
#2	22.97	.0350	.0880	.1167	-.0874
#3	-8.452	.0287	.5246	-.1033	.3459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: ICB-ISM Acquired: 7/30/2013 20:11:53 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3.732	-17.78	9.162	.0357	9.853
Stddev	2.047	41.60	24.90	.0347	3.713
%RSD	54.86	233.9	271.7	97.35	37.68
#1	-2.401	-61.30	8.977	.0722	12.05
#2	-6.089	-13.65	34.15	.0031	11.94
#3	-2.705	21.60	-15.64	.0317	5.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4022	-.1452	-1.143	2.241	-2.053
Stddev	.6103	1.417	1.546	.202	.807
%RSD	151.7	975.7	135.3	8.993	39.32
#1	-.8563	-.8184	.5915	2.473	-2.963
#2	-.6418	1.483	-2.378	2.114	-1.772
#3	.2916	-1.100	-1.641	2.136	-1.423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: ICB-ISM Acquired: 7/30/2013 20:11:53 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICB

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	-.1053	.0471
Stddev	.1902	.0957
%RSD	180.6	203.1
#1	.0396	.1550
#2	-.3207	.0139
#3	-.0349	-.0276
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.85	1728.5	1448.4	7339.1
Stddev	1.08	10.2	4.6	54.2
%RSD	.72841	.59188	.31555	.73867
#1	147.91	1727.7	1453.4	7276.5
#2	150.04	1739.0	1447.6	7372.5
#3	148.60	1718.6	1444.3	7368.2

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Test America Inc., Burlington
METICP7

Sample Name: ICSA Acquired: 7/30/2013 20:19:50 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSA

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.020	250800.	-1.476	3.986	.7092
Stddev	.284	695.	3.082	1.643	.0176
%RSD	27.82	.2770	208.9	41.23	2.476
#1	-.9739	250100.	-1.116	3.358	.7225
#2	-.7626	251400.	-4.722	5.850	.7158
#3	-1.325	251000.	1.411	2.749	.6893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	255500.	1.295	5.482	44.25	23.60
Stddev	359.	.147	.147	.46	.34
%RSD	.1406	11.36	2.690	1.041	1.462
#1	255100.	1.461	5.649	43.98	23.99
#2	255700.	1.180	5.371	44.78	23.35
#3	255700.	1.244	5.426	43.98	23.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
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Test America Inc., Burlington
METICP7

Sample Name: ICSA Acquired: 7/30/2013 20:19:50 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSA

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	98990.	-18.09	257500.	18.81	814.0
Stddev	288.	23.85	386.	.06	5.0
%RSD	.2904	131.9	.1497	.3007	.6145
#1	98670.	-28.52	257200.	18.78	816.9
#2	99060.	9.204	257400.	18.88	808.2
#3	99230.	-34.94	257900.	18.78	816.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.29	9.249	3.900	7.394	.6829
Stddev	1.13	.710	.629	.360	3.179
%RSD	4.634	7.671	16.12	4.871	465.6
#1	23.05	10.06	4.014	7.809	-.5338
#2	24.56	8.762	4.464	7.193	4.291
#3	25.25	8.921	3.222	7.179	-1.708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: ICSA Acquired: 7/30/2013 20:19:50 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSA

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	-1.565	27.63
Stddev	.321	.08
%RSD	20.52	.2892
#1	-1.574	27.71
#2	-1.239	27.63
#3	-1.881	27.55
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	135.56	1599.8	1362.0	7255.4
Stddev	1.22	2.0	2.4	3.4
%RSD	.90319	.12473	.17937	.04691
#1	136.98	1600.7	1360.5	7258.3
#2	134.85	1601.2	1360.7	7256.3
#3	134.86	1597.5	1364.8	7251.7

3
3
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Test America Inc., Burlington
METICP7

Sample Name: ICSAB Acquired: 7/30/2013 20:27:41 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSAB

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	196.6	250700.	99.97	513.7	512.7
Stddev	.5	580.	3.06	4.1	.9
%RSD	.2460	.2314	3.065	.7962	.1680
#1	196.2	250400.	100.6	515.7	511.9
#2	197.2	250500.	96.64	509.0	512.6
#3	196.4	251400.	102.7	516.4	513.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	255100.	1001.	507.7	535.2	512.6
Stddev	600.	3.	1.1	2.3	2.4
%RSD	.2351	.2773	.2124	.4377	.4637
#1	254900.	997.6	506.9	533.5	510.7
#2	254700.	1002.	507.4	534.4	515.3
#3	255800.	1003.	508.9	537.9	511.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: ICSAB Acquired: 7/30/2013 20:27:41 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSAB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	99230.	-33.36	257300.	540.7	817.3
Stddev	392.	15.53	427.	2.0	13.2
%RSD	.3947	46.56	.1661	.3764	1.612
#1	99040.	-40.73	257100.	538.9	802.6
#2	99680.	-15.51	257000.	542.9	821.3
#3	98980.	-43.84	257800.	540.4	828.0
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1024.	57.80	615.0	54.11	108.9
Stddev	3.	1.66	1.7	.94	.5
%RSD	.2818	2.866	.2799	1.728	.4759
#1	1024.	59.10	613.2	53.55	109.3
#2	1021.	58.37	615.0	55.19	108.3
#3	1027.	55.94	616.7	53.59	109.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: ICSAB Acquired: 7/30/2013 20:27:41 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: ICSAB

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	506.7	1070.
Stddev	2.0	2.
%RSD	.3938	.2213
#1	507.0	1069.
#2	508.4	1069.
#3	504.5	1073.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	135.92	1590.7	1352.9	7218.7
Stddev	.48	9.1	.9	19.8
%RSD	.35328	.57518	.06722	.27482
#1	136.39	1586.6	1353.3	7210.1
#2	135.94	1584.4	1353.6	7204.7
#3	135.43	1601.2	1351.9	7241.4

3
3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 20:35:25 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX8

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	403.6	118900.	790.7	5065.	2571.
Stddev	2.8	377.	4.5	6.	4.
%RSD	.6931	.3171	.5675	.1135	.1510
#1	406.7	118500.	795.4	5072.	2567.
#2	401.2	119200.	790.1	5064.	2571.
#3	402.9	119100.	786.5	5061.	2574.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	121800.	792.6	2010.	1591.	4897.
Stddev	84.	.6	1.	2.	15.
%RSD	.0690	.0814	.0324	.1025	.3115
#1	121800.	793.2	2010.	1591.	4879.
#2	121800.	791.9	2011.	1590.	4903.
#3	121900.	792.5	2010.	1593.	4908.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 20:35:25 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX8

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	120100.	39550.	120900.	5039.	39990.
Stddev	465.	143.	260.	20.	170.
%RSD	.3869	.3623	.2148	.3948	.4240
#1	119600.	39440.	121200.	5034.	39790.
#2	120300.	39510.	120800.	5061.	40070.
#3	120500.	39710.	120700.	5022.	40090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5026.	5008.	982.9	796.3	800.7
Stddev	3.	34.	1.7	1.8	4.8
%RSD	.0624	.6821	.1707	.2233	.5953
#1	5026.	5048.	981.1	797.8	806.1
#2	5022.	4990.	983.2	796.9	798.5
#3	5029.	4987.	984.4	794.4	797.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 20:35:25 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX8

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	4964.	5062.
Stddev	11.	8.
%RSD	.2287	.1629
#1	4951.	5071.
#2	4969.	5061.
#3	4972.	5054.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	140.34	1617.8	1376.6	7274.7
Stddev	1.37	2.4	3.7	82.5
%RSD	.97349	.14924	.27052	1.1339
#1	138.80	1615.7	1373.2	7179.5
#2	140.83	1620.5	1376.1	7321.0
#3	141.40	1617.3	1380.6	7323.7

Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 20:43:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX8

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0156	30.93	-.3511	3.676	.5973
Stddev	.4273	22.15	.1033	.264	.4141
%RSD	2736.	71.61	29.42	7.179	69.33
#1	-.4136	56.48	-.2327	3.535	1.056
#2	.4410	19.05	-.3975	3.980	.4863
#3	.0195	17.25	-.4230	3.513	.2500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	43.17	.0379	.4177	.2852	1.227
Stddev	36.95	.0735	.0697	.1665	.790
%RSD	85.60	194.1	16.69	58.39	64.35
#1	75.14	.1220	.3373	.4775	2.138
#2	51.64	.0050	.4614	.1916	.7349
#3	2.714	-.0134	.4543	.1866	.8087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 20:43:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX8

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	{Y_HWAX)	(Y_HWRD)	(Y_HWRD}	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	25.16	-18.99	27.29	.9718	11.70
Stddev	17.52	39.78	22.66	.8120	12.93
%RSD	69.64	209.5	83.05	83.56	110.6
#1	44.15	20.71	49.53	1.880	15.06
#2	21.70	-58.84	28.11	.7179	22.61
#3	9.628	-18.83	4.225	.3171	-2.587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2061	.5866	.0981	.5881	-.4956
Stddev	.5471	1.264	.8752	.6933	1.616
%RSD	265.5	215.4	892.0	117.9	326.0
#1	.3979	-.0379	.7707	-.2124	-.0763
#2	-.3477	2.041	-.8914	.9997	.8689
#3	-.6684	-.2431	.4151	.9769	-2.279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 20:43:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX8

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	.9366	.6358
Stddev	.6927	.5113
%RSD	73.96	80.42
#1	1.736	1.198
#2	.5686	.5092
#3	.5055	.1996
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	149.29	1714.4	1449.0	7400.4
Stddev	1.28	6.9	6.8	40.9
%RSD	.86018	.40301	.46928	.55222
#1	150.58	1710.9	1447.7	7382.9
#2	149.26	1722.4	1456.4	7371.2
#3	148.02	1710.0	1442.9	7447.1

3
3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-58902/1-a Acquired: 7/30/2013 20:51:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG5

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	{Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2814	59.72	.6025	-.3145	.0253
Stddev	.4548	10.01	1.428	2.000	.0154
%RSD	161.6	16.76	237.0	636.1	60.84
#1	-.6802	49.16	1.510	-.7453	.0410
#2	-.3779	69.06	1.341	1.866	.0247
#3	.2140	60.95	-1.044	-2.064	.0102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	117.8	.1716	.0502	.4595	1.483
Stddev	30.5	.0776	.2559	.2790	.342
%RSD	25.85	45.22	510.3	60.71	23.03
#1	143.0	.2522	.3350	.1437	1.456
#2	83.97	.0973	-.0240	.5625	1.837
#3	126.4	.1655	-.1606	.6723	1.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-58902/1-a Acquired: 7/30/2013 20:51:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG5

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 177.6	-6.338	12.52	1.155	-19.01
Stddev	6.8	60.14	3.86	.017	8.32
%RSD	3.803	948.8	30.83	1.428	43.80
#1	174.8	-61.57	15.16	1.171	-21.21
#2	172.7	-15.17	14.32	1.154	-9.802
#3	185.3	57.73	8.092	1.138	-26.01
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.0				
Low Limit	-100.0				

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3700	-.5181	-.1526	4.125	-3.681
Stddev	1.107	1.054	.6512	.633	1.977
%RSD	299.1	203.5	426.6	15.35	53.72
#1	.0251	-1.401	-.2144	4.740	-5.547
#2	-.5231	.6493	.5272	3.475	-1.609
#3	1.608	-.8031	-.7707	4.159	-3.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-58902/1-a Acquired: 7/30/2013 20:51:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG5

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	-.3148	2.516
Stddev	.2749	.084
%RSD	87.32	3.355
#1	-.5576	2.420
#2	-.3704	2.554
#3	-.0164	2.576
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.61	1708.5	1449.0	7418.0
Stddev	.19	14.4	3.0	20.1
%RSD	.13030	.84294	.20767	.27116
#1	148.42	1691.9	1445.7	7435.9
#2	148.81	1717.2	1449.9	7421.8
#3	148.61	1716.5	1451.5	7396.2

3
3
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Test America Inc., Burlington
METICP7

Sample Name: lcs 200-58902/2-a Acquired: 7/30/2013 20:59:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG5

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	19.68	F 598.6	19.03	421.1	9.862
Stddev	.56	7.5	.74	2.1	.028
%RSD	2.845	1.246	3.869	.4889	.2785
#1	19.49	591.7	19.71	419.5	9.837
#2	19.23	606.5	19.14	420.4	9.859
#3	20.30	597.5	18.25	423.4	9.891
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		520.0			
Low Limit		280.0			

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10730.	10.43	103.7	20.52	49.33
Stddev	17.	.02	.5	.22	.09
%RSD	.1596	.1902	.4724	1.087	.1891
#1	10710.	10.45	103.5	20.44	49.35
#2	10740.	10.43	103.4	20.35	49.23
#3	10740.	10.41	104.3	20.77	49.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: lcs 200-58902/2-a Acquired: 7/30/2013 20:59:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG5

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	188.9	10100.	10480.	32.17	10100.
Stddev	2.1	62.	76.	.13	48.
%RSD	1.120	.6173	.7216	.3951	.4761
#1	186.7	10070.	10400.	32.05	10050.
#2	190.9	10070.	10510.	32.16	10120.
#3	189.3	10180.	10540.	32.30	10140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	84.42	19.72	119.8	65.81	48.21
Stddev	.14	.80	2.2	.57	1.78
%RSD	.1660	4.067	1.854	.8655	3.695
#1	84.55	19.04	117.9	65.53	46.84
#2	84.27	20.60	119.3	66.47	47.56
#3	84.44	19.51	122.3	65.44	50.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: lcs 200-58902/2-a Acquired: 7/30/2013 20:59:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG5

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	104.1	125.5
Stddev	1.0	.8
%RSD	.9240	.6032
#1	103.0	125.7
#2	104.8	124.7
#3	104.4	126.2
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	147.88	1674.7	1423.4	7295.3
Stddev	.81	8.9	4.0	45.9
%RSD	.54941	.53216	.28296	.62968
#1	148.09	1670.5	1420.3	7292.8
#2	148.57	1668.6	1427.9	7250.7
#3	146.98	1684.9	1421.9	7342.4

3
3
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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a Acquired: 7/30/2013 21:07:08 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85)	189.042 {479)	233.527 {144}	313.042 {108)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	35.65	21410.	823.6	1737.	.7938
Stddev	.48	64.	4.9	8.	.0630
%RSD	1.352	.2979	.5932	.4419	7.942
#1	35.29	21350.	818.6	1731.	.8484
#2	36.20	21400.	823.9	1734.	.8081
#3	35.47	21480.	828.4	1745.	.7248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 773100.	531.8	681.5	F 7770.	F 46020.
Stddev	4422.	1.3	1.6	13.	502.
%RSD	.5720	.2492	.2337	.1618	1.090
#1	769300.	530.4	679.9	7764.	46550.
#2	772200.	532.0	681.5	7761.	45950.
#3	777900.	533.0	683.1	7784.	45550.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a Acquired: 7/30/2013 21:07:08 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44)	279.079 {121}	257.610 {131}2	589.592 { 57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	166300.	7747.	F 366600.	2415.	1929.
Stddev	304.	36.	2468.	6.	12.
%RSD	.1827	.4621	.6731	.2536	.6256
#1	166000.	7706.	364200.	2408.	1922.
#2	166500.	7770.	366700.	2419.	1922.
#3	166400.	7766.	369100.	2418.	1943.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445)	220.353 {453)	206.833 {463}	196.090 {472)	190.856 {477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7819.	591.8	195.1	28.91	-.8770
Stddev	9.	4.2	2.7	3.32	.5769
%RSD	.1198	.7080	1.403	11.49	65.78
#1	7810.	596.6	192.4	29.87	-.7779
#2	7819.	588.8	195.1	25.21	-.3560
#3	7829.	590.1	197.9	31.65	-1.497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a Acquired: 7/30/2013 21:07:08 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	V_-LL	Zn-LL2
Line	292.402 {115)2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	299.6	1446.
Stddev	.4	1.
%RSD	.1294	.0826
#1	299.6	1445.
#2	299.2	1446.
#3	300.0	1448.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446)	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.44	1574.2	1366.5	8000.2
Stddev	1.19	4.3	2.9	13.2
%RSD	.80502	.27263	.21429	.16480
#1	147.20	1569.7	1363.7	7994.9
#2	148.55	1578.2	1366.0	8015.2
#3	149.58	1574.7	1369.6	7990.4

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@5 Acquired: 7/30/2013 21:15:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8.053	4739.	171.3	402.7	.1829
Stddev	.272	27.	1.8	1.7	.0383
%RSD	3.381	.5711	1.047	.4308	20.91
#1	8.345	4768.	170.7	402.8	.1615
#2	7.807	4715.	169.9	400.9	.1603
#3	8.005	4732.	173.3	404.4	.2271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	177300.	111.6	147.5	1666.	F 9381.
Stddev	928.	.5	.4	3.	74.
%RSD	.5234	.4656	.2480	.1647	.7888
#1	177900.	111.6	147.8	1663.	9463.
#2	176300.	111.2	147.1	1665.	9319.
#3	177800.	112.2	147.6	1669.	9360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					6250.
Low Limit					-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@5 Acquired: 7/30/2013 21:15:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	35830.	1701.	82760.	514.4	419.9
Stddev	105.	12.	423.	2.3	9.2
%RSD	.2929	.6923	.5117	.4380	2.194
#1	35960.	1689.	83100.	516.9	428.4
#2	35770.	1713.	82280.	512.4	421.1
#3	35780.	1701.	82900.	513.9	410.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1733.	132.9	41.98	7.676	.1301
Stddev	.	.9	1.50	2.137	1.591
%RSD	.0266	.6412	3.568	27.84	1223.
#1	1733.	133.9	40.60	8.879	-1.689
#2	1733.	132.3	41.78	8.939	1.264
#3	1734.	132.5	43.57	5.209	.8150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@5 Acquired: 7/30/2013 21:15:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	61.89	309.0
Stddev	.21	.8
%RSD	.3375	.2563
#1	62.13	309.0
#2	61.74	308.2
#3	61.80	309.7
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	147.27	1649.3	1411.9	7420.7
Stddev	2.01	6.7	1.9	36.8
%RSD	1.3626	.40866	.13135	.49644
#1	144.98	1642.0	1409.8	7380.8
#2	148.08	1655.2	1413.5	7427.8
#3	148.74	1650.7	1412.2	7453.5

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a pds Acquired: 7/30/2013 21:23:09 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	51.99	21360.	823.9	2050.	9.493
Stddev	.20	76.	2.4	3.	.091
%RSD	.3878	.3561	.2869	.1675	.9580
#1	52.12	21290.	822.2	2046.	9.424
#2	51.76	21330.	826.6	2052.	9.596
#3	52.09	21440.	822.8	2051.	9.460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 765400.	532.9	761.5	F 7641.	F 45690.
Stddev	2394.	1.0	.9	15.	725.
%RSD	.3128	.1888	.1144	.1981	1.588
#1	763500.	532.2	760.8	7623.	44880.
#2	764700.	534.0	762.5	7650.	45900.
#3	768100.	532.4	761.3	7649.	46290.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a pds Acquired: 7/30/2013 21:23:09 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	164800.	16780.	F 368200.	2415.	11030.
Stddev	647.	94.	1453.	13.	27.
%RSD	.3927	.5594	.3947	.5352	.2450
#1	164100.	16820.	366900.	2400.	11010.
#2	165000.	16670.	368000.	2418.	11020.
#3	165400.	16840.	369800.	2425.	11060.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7748.	594.6	311.2	91.79	42.51
Stddev	12.	5.8	1.5	.69	2.66
%RSD	.1496	.9793	.4830	.7559	6.264
#1	7736.	591.9	310.5	91.04	39.46
#2	7759.	590.6	312.9	92.40	44.41
#3	7750.	601.3	310.1	91.92	43.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a pds Acquired: 7/30/2013 21:23:09 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408A

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	396.4	1533.
Stddev	2.1	1.
%RSD	.5245	.0698
#1	394.0	1534.
#2	397.4	1534.
#3	397.8	1532.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.43	1548.6	1359.8	7959.0
Stddev	.51	3.0	4.0	13.2
%RSD	.34398	.19447	.29124	.16638
#1	148.10	1546.2	1355.8	7944.8
#2	149.02	1547.6	1359.8	7961.5
#3	148.17	1552.0	1363.8	7970.9

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du Acquired: 7/30/2013 21:31:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.91	22850.	801.6	2120.	.7713
Stddev	.17	162.	2.5	25.	.0177
%RSD	.6731	.7100	.3123	1.189	2.300
#1	24.72	22680.	804.4	2091.	.7527
#2	24.96	23010.	799.5	2133.	.7881
#3	25.05	22850.	800.9	2135.	.7732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 793600.	577.4	765.6	F 8352.	F 42320.
Stddev	4864.	1.1	.9	9.	196.
%RSD	.6128	.1819	.1200	.1059	.4619
#1	788500.	576.3	764.5	8350.	42240.
#2	798200.	577.5	766.0	8344.	42540.
#3	794200.	578.3	766.2	8361.	42170.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du Acquired: 7/30/2013 21:31:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	167700.	8385.	F 370400.	2513.	2031.
Stddev	469.	27.	2678.	7.	15.
%RSD	.2799	.3204	.7230	.2955	.7518
#1	167200.	8354.	367400.	2506.	2018.
#2	167700.	8400.	372600.	2521.	2048.
#3	168100.	8400.	371100.	2513.	2027.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8451.	565.2	192.2	29.18	1.081
Stddev	18.	1.3	1.4	3.31	.995
%RSD	.2147	.2340	.7056	11.36	92.00
#1	8460.	566.4	191.3	32.88	1.013
#2	8430.	563.8	191.5	26.47	2.109
#3	8463.	565.3	193.8	28.19	.1223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du Acquired: 7/30/2013 21:31:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	301.2	1491.
Stddev	1.4	2.
%RSD	.4720	.1198
#1	299.6	1493.
#2	302.2	1489.
#3	301.9	1490.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.64	1562.5	1370.9	7999.4
Stddev	1.59	2.7	4.6	30.4
%RSD	1.0706	.17404	.33657	.37982
#1	147.12	1559.5	1365.7	8012.7
#2	148.51	1563.3	1372.7	7964.6
#3	150.30	1564.8	1374.3	8020.8

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms Acquired: 7/30/2013 21:39:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	94.93	26680.	876.9	5133.	90.88
Stddev	.40	60.	6.5	26.	.11
%RSD	.4255	.2236	.7365	.4984	.1231
#1	95.00	26610.	881.0	5105.	90.98
#2	94.50	26710.	880.4	5155.	90.90
#3	95.30	26710.	869.5	5140.	90.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 788500.	659.4	1684.	F 8614.	F 44300.
Stddev	1419.	.9	.	17.	612.
%RSD	.1800	.1305	.0262	.1994	1.381
#1	786900.	658.5	1684.	8625.	43600.
#2	788700.	659.5	1684.	8624.	44600.
#3	789700.	660.2	1685.	8595.	44710.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms Acquired: 7/30/2013 21:39:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	168500.	8495.	F 368000.	3456.	2022.
Stddev	400.	30.	804.	8.	12.
%RSD	.2372	.3516	.2185	.2171	.6003
#1	169000.	8477.	367200.	3463.	2025.
#2	168200.	8479.	368000.	3448.	2031.
#3	168400.	8530.	368800.	3458.	2008.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9238.	563.8	289.4	123.0	78.53
Stddev	19.	3.1	1.3	.3	1.44
%RSD	.2070	.5469	.4349	.2805	1.832
#1	9249.	560.5	290.2	123.3	76.88
#2	9249.	564.2	290.0	122.9	79.19
#3	9216.	566.7	287.9	122.7	79.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms Acquired: 7/30/2013 21:39:15 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	1296.	2570.
Stddev	2.	5.
%RSD	.1620	.1968
#1	1297.	2570.
#2	1293.	2574.
#3	1297.	2564.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.70	1555.3	1359.4	7921.6
Stddev	.18	10.4	5.4	1.6
%RSD	.11537	.66576	.39940	.02049
#1	151.85	1543.8	1353.9	7920.6
#2	151.51	1558.3	1359.5	7920.7
#3	151.75	1563.9	1364.8	7923.5

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a@2 Acquired: 7/30/2013 21:47:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	13.03	12170.	409.7	1153.	.4630
Stddev	.37	60.	1.2	2.	.0216
%RSD	2.813	.4968	.2852	.1941	4.672
#1	13.00	12120.	408.6	1150.	.4380
#2	12.67	12150.	409.5	1153.	.4761
#3	13.40	12230.	411.0	1155.	.4748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 426400.	295.7	398.2	F 4332.	F 21450.
Stddev	2131.	1.0	1.6	8.	202.
%RSD	.4999	.3445	.3914	.1775	.9394
#1	425100.	294.5	396.5	4326.	21450.
#2	425100.	296.1	398.4	4330.	21250.
#3	428800.	296.4	399.6	4341.	21650.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a@2 Acquired: 7/30/2013 21:47:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	86900.	4425.	196500.	1296.	1068.
Stddev	300.	34.	844.	4.	7.
%RSD	.3449	.7687	.4295	.3024	.6126
#1	86570.	4446.	195900.	1293.	1061.
#2	86990.	4444.	196000.	1300.	1074.
#3	87150.	4386.	197400.	1296.	1069.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4445.	304.4	98.54	17.65	-.6745
Stddev	8.	1.9	.53	1.17	3.125
%RSD	.1697	.6264	.5405	6.613	463.2
#1	4437.	306.5	98.71	17.41	2.885
#2	4446.	302.8	97.95	16.62	-2.963
#3	4451.	303.9	98.97	18.92	-1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a@2 Acquired: 7/30/2013 21:47:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	152.9	771.2
Stddev	.8	1.2
%RSD	.5451	.1544
#1	152.0	770.8
#2	153.7	770.2
#3	152.9	772.5
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	146.63	1600.6	1388.4	7635.5
Stddev	.15	1.8	1.3	13.9
%RSD	.09916	.11192	.09419	.18236
#1	146.75	1598.6	1386.9	7623.8
#2	146.47	1601.5	1389.1	7650.9
#3	146.68	1601.8	1389.3	7631.7

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@1 0 Acquired: 7/30/2013 21:55:23 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.065	2594.	83.99	251.9	.0987
Stddev	.381	5.	.50	3.1	.0164
%RSD	12.41	.2069	.5994	1.215	16.58
#1	3.177	2590.	83.92	248.7	.1119
#2	2.641	2601.	83.52	254.8	.1038
#3	3.377	2592.	84.52	252.2	.0804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	93230.	60.60	84.23	908.6	4420.
Stddev	372.	.31	.16	2.9	11.
%RSD	.3988	.5139	.1893	.3202	.2563
#1	93000.	60.24	84.41	907.0	4417.
#2	93020.	60.78	84.19	912.0	4411.
#3	93660.	60.77	84.10	907.0	4433.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@1 0 Acquired: 7/30/2013 21:55:23 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	18280.	952.1	42600.	270.0	226.2
Stddev	25.	20.6	247.	.6	7.5
%RSD	.1373	2.165	.5796	.2280	3.310
#1	18290.	957.7	42380.	269.3	218.8
#2	18250.	969.4	42570.	270.1	233.7
#3	18300.	929.3	42870.	270.6	226.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	953.3	65.73	20.57	5.910	-.7939
Stddev	3.4	1.66	.63	2.752	.5731
%RSD	.3611	2.523	3.072	46.56	72.20
#1	951.2	66.03	21.24	8.688	-.9775
#2	957.2	63.95	19.98	5.858	-.1514
#3	951.3	67.23	20.49	3.185	-1.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a sd@1 0 Acquired: 7/30/2013 21:55:23 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408L

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	30.90	161.4
Stddev	.28	.6
%RSD	.9087	.3744
#1	30.94	161.1
#2	30.60	162.1
#3	31.15	161.1
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.87	1671.0	1427.3	7389.2
Stddev	1.13	1.2	4.7	17.2
%RSD	.76049	.07450	.33041	.23328
#1	147.57	1671.5	1424.7	7380.5
#2	149.45	1669.6	1424.5	7409.1
#3	149.59	1672.0	1432.7	7378.1

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BAA 07/30/13

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du@2 Acquired: 7/30/2013 22:03:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	13.27	12130.	408.2	1157.	.4076
Stddev	.12	72.	3.6	11.	.0153
%RSD	.9231	.5910	.8806	.9800	3.747
#1	13.25	12070.	406.0	1144.	.4122
#2	13.40	12120.	412.4	1166.	.4199
#3	13.15	12210.	406.2	1161.	.3905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 428200.	295.4	398.7	F 4317.	F 21280.
Stddev	738.	.9	1.0	13.	215.
%RSD	.1723	.3060	.2536	.2943	1.010
#1	427400.	294.7	397.7	4305.	21100.
#2	428700.	295.1	398.6	4315.	21230.
#3	428500.	296.4	399.7	4330.	21520.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du@2 Acquired: 7/30/2013 22:03:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	86580.	4420.	197700.	1289.	1066.
Stddev	847.	29.	485.	14.	7.
%RSD	.9788	.6456	.2454	1.060	.6192
#1	86560.	4398.	197200.	1287.	1059.
#2	85740.	4452.	198200.	1277.	1071.
#3	87430.	4410.	197600.	1304.	1068.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4439.	302.8	101.2	17.25	-.7342
Stddev	11.	.7	3.5	1.12	.4960
%RSD	.2559	.2391	3.451	6.480	67.55
#1	4426.	302.9	102.3	17.66	-.4050
#2	4447.	303.5	104.1	15.99	-.4929
#3	4444.	302.1	97.32	18.11	-1.305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-b du@2 Acquired: 7/30/2013 22:03:12 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408D

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	152.0	769.5
Stddev	1.8	1.6
%RSD	1.199	.2102
#1	152.3	767.7
#2	150.0	770.0
#3	153.6	770.8
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	147.91	1620.6	1398.9	7690.4
Stddev	1.49	20.6	13.4	37.0
%RSD	1.0100	1.2695	.96049	.48141
#1	149.05	1627.9	1406.0	7725.1
#2	148.45	1636.6	1407.3	7694.7
#3	146.22	1597.4	1383.4	7651.4

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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:11:16 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX9

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	397.5	117700.	773.2	5040.	2513.
Stddev	2.2	449.	9.8	13.	10.
%RSD	.5506	.3818	1.265	.2649	.3835
#1	397.7	117800.	777.8	5053.	2515.
#2	399.6	118000.	762.0	5039.	2522.
#3	395.2	117200.	779.8	5026.	2503.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	119200.	790.3	1995.	1568.	4886.
Stddev	368.	4.0	9.	9.	7.
%RSD	.3083	.5008	.4679	.5635	.1414
#1	119300.	788.0	1990.	1565.	4886.
#2	119500.	788.1	1990.	1562.	4879.
#3	118800.	794.9	2006.	1579.	4893.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:11:16 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX9

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	120000.	39330.	118000.	5014.	39690.
Stddev	221.	58.	555.	31.	107.
%RSD	.1840	.1469	.4701	.6155	.2697
#1	120200.	39390.	118200.	5046.	39670.
#2	119700.	39290.	118500.	5013.	39810.
#3	120100.	39300.	117400.	4984.	39600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4950.	4913.	968.7	781.6	783.1
Stddev	24.	20.	2.9	2.2	5.3
%RSD	.4785	.4066	.3031	.2850	.6787
#1	4935.	4917.	967.7	781.5	780.4
#2	4937.	4931.	966.4	779.4	789.2
#3	4977.	4891.	972.0	783.9	779.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:11:16 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVX9

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	4965.	4991.
Stddev	11.	26.
%RSD	.2222	.5127
#1	4977.	4988.
#2	4956.	4967.
#3	4961.	5018.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	140.44	1600.8	1376.1	7301.4
Stddev	.86	8.9	4.6	73.9
%RSD	.61148	.55665	.33304	1.0115
#1	140.18	1591.5	1377.5	7261.7
#2	139.74	1601.5	1379.8	7255.8
#3	141.40	1609.3	1371.0	7386.6

3
3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 22:19:11 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX9

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2471	22.74	-.1530	-.8084	.4275
Stddev	.2130	16.35	.4105	1.332	.2592
%RSD	86.20	71.92	268.3	164.8	60.62
#1	-.3084	39.86	-.4508	-2.235	.7155
#2	-.0102	21.06	.3153	-.5928	.3541
#3	-.4227	7.288	-.3235	.4025	.2130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	16.81	.0816	.1480	.2455	1.137
Stddev	27.33	.1320	.3124	.1942	.247
%RSD	162.6	161.9	211.0	79.08	21.73
#1	36.15	.1390	.3016	.4683	1.275
#2	28.74	.1752	.3539	.1120	.8514
#3	-14.46	-.0694	-.2114	.1563	1.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 22:19:11 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX9

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	18.91	-16.12	29.82	.7324	6.445
Stddev	8.67	17.15	10.52	.5261	17.61
%RSD	45.82	106.4	35.30	71.83	273.2
#1	28.88	-7.206	41.63	1.314	26.11
#2	14.70	-35.90	21.43	.5951	1.089
#3	13.15	-5.256	26.39	.2886	-7.864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4378	-.5935	-.0750	2.982	-.5874
Stddev	.7257	2.591	1.891	.492	1.440
%RSD	165.8	436.6	2521.	16.51	245.1
#1	.8983	2.298	1.763	3.136	-1.498
#2	.8138	-1.374	-2.015	3.378	-1.337
#3	-.3988	-2.704	.0272	2.431	1.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 22:19:11 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBX9

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	.3959	.4845
Stddev	.2768	.4298
%RSD	69.92	88.72
#1	.1018	.9498
#2	.4345	.4013
#3	.6513	.1023
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.88	1710.5	1450.0	7324.2
Stddev	.66	9.4	7.1	6.2
%RSD	.44369	.54824	.48714	.08483
#1	148.14	1707.2	1443.6	7317.1
#2	149.10	1703.2	1448.7	7328.2
#3	149.41	1721.1	1457.5	7327.4

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms@2 Acquired: 7/30/2013 22:27:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	50.52	14110.	443.8	2795.	48.67
Stddev	.24	54.	3.6	25.	.42
%RSD	.4698	.3852	.8077	.9034	.8552
#1	50.37	14050.	440.3	2769.	48.20
#2	50.40	14160.	447.4	2796.	48.94
#3	50.80	14110.	443.7	2820.	48.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 422000.	336.7	877.3	F 4419.	F 22210.
Stddev	4274.	1.1	3.8	18.	150.
%RSD	1.013	.3387	.4337	.4106	.6733
#1	417100.	335.6	872.9	4400.	22360.
#2	423900.	336.7	879.4	4422.	22200.
#3	425000.	337.9	879.6	4436.	22060.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms@2 Acquired: 7/30/2013 22:27:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	87060.	4408.	195600.	1769.	1046.
Stddev	316.	42.	2410.	5.	11.
%RSD	.3629	.9443	1.232	.2704	1.018
#1	87430.	4407.	192800.	1775.	1058.
#2	86870.	4367.	196800.	1766.	1041.
#3	86890.	4450.	197100.	1768.	1038.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4808.	306.8	145.8	66.72	44.49
Stddev	26.	2.7	.6	3.41	2.03
%RSD	.5374	.8711	.3978	5.114	4.570
#1	4780.	304.9	145.2	68.99	42.84
#2	4815.	305.7	146.3	62.79	43.88
#3	4830.	309.9	146.0	68.37	46.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-c ms@2 Acquired: 7/30/2013 22:27:11 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MX1408S

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	656.9	1314.
Stddev	2.7	7.
%RSD	.4178	.5422
#1	660.1	1306.
#2	655.3	1316.
#3	655.3	1320.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.13	1611.8	1403.5	7614.0
Stddev	1.27	27.0	4.0	7.7
%RSD	.84436	1.6770	.28838	.10069
#1	148.68	1580.9	1399.0	7612.5
#2	150.68	1623.5	1404.5	7622.3
#3	151.02	1631.1	1406.9	7607.2

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:35:16 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ag at 80ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD}	(Y_HWRD}	(Y_-LWAX}	(Y_HWRD}	(Y_HWRD}
Units	ppb	ppb	ppb	ppb	ppb
Avg	96.05	22260.	775.6	4844.	.7766
Stddev	.87	73.	3.3	14.	.0428
%RSD	.9033	.3286	.4302	.2980	5.517
#1	95.09	22180.	776.6	4852.	.7978
#2	96.31	22260.	771.9	4827.	.7273
#3	96.76	22330.	778.4	4851.	.8048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD}	(Y_-LWAX}	(Y_-LWAX}	(Y_-LWAX}	(Y_HWAX}
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 772800.	558.8	743.6	F 8088.	F 40770.
Stddev	3546.	2.7	2.9	33.	157.
%RSD	.4588	.4763	.3838	.4025	.3843
#1	769400.	556.7	741.2	8062.	40910.
#2	772600.	558.0	743.0	8078.	40790.
#3	776500.	561.8	746.8	8125.	40600.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:35:16 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ag at 80ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX}	(Y_HWRD}	(Y_HWRD}	(Y_HWAX}	(Y_HWRD}
Units	ppb	ppb	ppb	ppb	ppb
Avg	163800.	8209.	F 361900.	2438.	1980.
Stddev	673.	55.	2055.	9.	13.
%RSD	.4108	.6662	.5678	.3533	.6603
#1	163400.	8170.	359800.	2437.	1978.
#2	164600.	8185.	362000.	2446.	1968.
#3	163400.	8271.	363900.	2429.	1994.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX}	(In2306}	(Y_-LWAX}	(Y_-LWAX}	(In2306}
Units	ppb	ppb	ppb	ppb	ppb
Avg	8189.	548.7	602.5	31.61	-1.174
Stddev	35.	1.3	1.7	1.67	.714
%RSD	.4224	.2414	.2800	5.273	60.81
#1	8157.	549.7	601.0	31.40	-.5416
#2	8186.	547.2	602.2	33.38	-1.948
#3	8226.	549.1	604.3	30.06	-1.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:35:16 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ag at 80ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX}	(Y_-LWAX}
Units	ppb	ppb
Avg	293.1	1443.
Stddev	1.7	6.
%RSD	.5739	.4154
#1	293.0	1438.
#2	294.8	1440.
#3	291.5	1450.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.74	1584.2	1397.4	8016.8
Stddev	.49	9.1	2.0	29.1
%RSD	.32186	.57711	.14415	.36268
#1	151.20	1581.1	1399.1	8036.7
#2	151.86	1577.0	1398.0	8030.3
#3	152.15	1594.5	1395.2	7983.5

Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:43:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Sb at 425ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	102.9	22010.	784.2	4717.	.7559
Stddev	1.6	72.	2.9	17.	.0234
%RSD	1.506	.3254	.3706	.3595	3.092
#1	102.3	21950.	781.0	4697.	.7346
#2	104.6	21990.	784.9	4726.	.7809
#3	101.7	22090.	786.7	4726.	.7522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 762000.	539.2	706.6	F 7819.	F 42100.
Stddev	2122.	.9	.5	14.	303.
%RSD	.2785	.1611	.0758	.1854	.7195
#1	759600.	539.3	707.0	7803.	42070.
#2	763600.	538.2	706.7	7829.	42410.
#3	762700.	539.9	706.0	7827.	41810.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:43:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Sb at 425ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	163000.	8091.	F 359800.	2390.	1937.
Stddev	345.	45.	1496.	6.	14.
%RSD	.2119	.5579	.4158	.2385	.7087
#1	162900.	8132.	358300.	2385.	1925.
#2	163400.	8099.	361300.	2396.	1934.
#3	162700.	8043.	359800.	2390.	1952.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7913.	560.7	617.2	29.52	1.069
Stddev	24.	4.7	.8	1.25	1.264
%RSD	.3094	.8296	.1229	4.222	118.2
#1	7884.	560.3	616.6	30.74	2.268
#2	7926.	565.5	616.9	29.58	-.2510
#3	7928.	556.3	618.0	28.25	1.191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:43:17 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Sb at 425ppb Custom ID2: Custom ID3:
Comment: MX1408A

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	293.0	1424.
Stddev	.5	4.
%RSD	.1632	.2953
#1	293.0	1419.
#2	293.5	1425.
#3	292.6	1427.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.52	1586.0	1387.5	7998.9
Stddev	1.44	7.0	2.0	84.4
%RSD	.95986	.44438	.14538	1.0551
#1	150.37	1579.3	1389.1	7957.3
#2	149.15	1585.4	1385.2	7943.4
#3	152.03	1593.4	1388.0	8096.0

3
3
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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:51:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ba at 3100pp Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.42	22760.	771.9	4854.	.7845
Stddev	.80	62.	5.3	23.	.0459
%RSD	.8229	.2731	.6887	.4674	5.851
#1	96.97	22700.	766.0	4840.	.7350
#2	96.94	22760.	776.4	4842.	.8256
#3	98.34	22820.	773.4	4880.	.7928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F 772200.	561.0	746.2	F 8074.	F 40440.
Stddev	3332.	1.1	1.9	25.	255.
%RSD	.4315	.2036	.2521	.3154	.6297
#1	770400.	559.7	744.1	8046.	40530.
#2	770200.	561.8	747.1	8081.	40160.
#3	776100.	561.5	747.5	8096.	40650.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	300000.			4000.	6250.
Low Limit	-2500.			-10.00	-25.00

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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:51:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ba at 3100pp Custom ID2: Custom ID3:
Comment: MX1408A

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	163800.	8424.	F 362400.	2432.	2002.
Stddev	697.	38.	1884.	9.	6.
%RSD	.4256	.4533	.5200	.3821	.2766
#1	163100.	8380.	361500.	2422.	2006.
#2	163800.	8450.	361100.	2432.	1995.
#3	164500.	8441.	364500.	2441.	2004.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			300000.		
Low Limit			-2500.		

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8192.	548.0	605.2	32.40	-1.059
Stddev	21.	4.6	2.3	1.25	1.671
%RSD	.2612	.8318	.3815	3.861	157.9
#1	8168.	547.3	602.9	30.97	-2.878
#2	8196.	552.9	605.2	33.30	-.7066
#3	8211.	543.9	607.5	32.91	.4088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: 200-17525-a-2-a PDS Acquired: 7/30/2013 22:51:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ba at 3100pp Custom ID2: Custom ID3:
Comment: MX1408A

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	293.7	1445.
Stddev	1.1	5.
%RSD	.3691	.3262
#1	292.6	1440.
#2	294.7	1445.
#3	293.7	1450.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.41	1582.3	1393.5	7960.8
Stddev	1.93	3.6	2.5	78.0
%RSD	1.2725	.22995	.18206	.98017
#1	150.71	1578.2	1392.6	7914.1
#2	149.94	1585.1	1391.6	8050.9
#3	153.59	1583.5	1396.4	7917.5

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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:59:23 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY1

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	401.6	118700.	776.0	5066.	2539.
Stddev	2.0	188.	6.6	2.	5.
%RSD	.4980	.1585	.8450	.0462	.1946
#1	401.7	118500.	769.4	5063.	2533.
#2	403.6	118600.	776.1	5066.	2541.
#3	399.6	118900.	782.5	5067.	2542.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	121500.	791.7	2002.	1573.	4870.
Stddev	98.	2.3	3.	6.	14.
%RSD	.0807	.2965	.1485	.3610	.2815
#1	121400.	790.4	1999.	1569.	4858.
#2	121600.	790.4	2002.	1571.	4885.
#3	121500.	794.4	2004.	1579.	4866.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:59:23 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY1

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	120900.	39880.	120900.	4983.	39820.
Stddev	108.	150.	169.	11.	12.
%RSD	.0896	.3766	.1402	.2294	.0303
#1	120800.	39750.	120700.	4987.	39830.
#2	120800.	40050.	121100.	4992.	39800.
#3	121000.	39840.	120800.	4970.	39820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4976.	5003.	971.1	786.0	794.8
Stddev	17.	67.	6.6	1.4	9.2
%RSD	.3354	1.344	.6790	.1839	1.163
#1	4965.	5079.	963.5	786.6	805.4
#2	4968.	4954.	974.1	784.4	788.4
#3	4995.	4974.	975.6	787.1	790.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/30/2013 22:59:23 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY1

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	4951.	5014.
Stddev	8.	18.
%RSD	.1645	.3602
#1	4944.	5005.
#2	4960.	5003.
#3	4949.	5035.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	140.49	1620.1	1389.7	7268.4
Stddev	2.33	5.0	4.2	45.6
%RSD	1.6551	.30633	.30538	.62800
#1	137.81	1614.9	1385.8	7221.6
#2	142.02	1624.8	1394.2	7270.7
#3	141.64	1620.5	1389.0	7312.8

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 23:07:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY1

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0130	22.80	-.8894	.5558	.4722
Stddev	.1242	17.15	1.192	1.368	.2723
%RSD	953.2	75.23	134.0	246.2	57.67
#1	-.1303	41.49	.0889	.3604	.7802
#2	.0803	19.13	-.5405	2.011	.3727
#3	.0891	7.782	-2.217	-.7044	.2636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	34.37	.0043	.3172	.2457	1.038
Stddev	16.60	.1281	.4257	.2477	.401
%RSD	48.31	2969.	134.2	100.8	38.61
#1	17.33	.0442	.6632	.5153	1.493
#2	35.27	.1078	-.1582	.1937	.7358
#3	50.50	-.1390	.4466	.0281	.8858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 23:07:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY1

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	22.61	101.4	25.80	.8085	3.572
Stddev	13.05	37.5	29.17	.5373	7.736
%RSD	57.69	36.99	113.1	66.46	216.6
#1	36.27	143.2	47.16	1.397	12.44
#2	21.28	90.28	37.68	.6836	-1.768
#3	10.28	70.73	-7.437	.3447	.0415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4447	1.911	1.469	2.824	-1.251
Stddev	.2590	1.401	1.297	1.847	.486
%RSD	58.25	73.33	88.26	65.41	38.83
#1	.2742	2.042	2.960	4.957	-1.712
#2	.7427	.4485	.8486	1.750	-.7435
#3	.3171	3.242	.5994	1.765	-1.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/30/2013 23:07:19 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY1

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	.6084	.5842
Stddev	.2994	.3827
%RSD	49.21	65.50
#1	.8608	.9924
#2	.6869	.5266
#3	.2776	.2336
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.62	1737.9	1479.4	7347.3
Stddev	1.52	7.2	1.8	36.2
%RSD	.99956	.41333	.12396	.49207
#1	149.88	1729.7	1477.4	7387.5
#2	152.27	1743.0	1481.1	7337.0
#3	152.70	1740.9	1479.7	7317.5

3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-59100/1-a Acquired: 7/30/2013 23:15:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG8

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0828	55.03	-.9444	1.654	.0057
Stddev	.5978	6.28	1.665	1.279	.0326
%RSD	722.4	11.41	176.3	77.30	575.6
#1	-.7692	59.91	-1.487	.3066	-.0190
#2	.1971	57.23	-2.270	1.805	.0426
#3	.3238	47.95	.9237	2.850	-.0066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	173.4	.1472	-.0595	.2771	1.654
Stddev	13.4	.1754	.1669	.1909	.381
%RSD	7.741	119.2	280.8	68.91	23.04
#1	185.3	.2486	.0255	.4476	1.922
#2	176.2	.2483	.0479	.0708	1.218
#3	158.9	-.0554	-.2518	.3128	1.822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-59100/1-a Acquired: 7/30/2013 23:15:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG8

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	21.32	59.56	9.296	.2833	-20.70
Stddev	3.11	19.20	15.00	.0513	19.47
%RSD	14.60	32.24	161.4	18.11	94.03
#1	22.17	70.16	26.26	.2711	-36.17
#2	23.92	71.12	3.872	.3396	1.156
#3	17.87	37.39	-2.243	.2392	-27.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7804	-.3434	-.2093	3.774	-4.353
Stddev	.3578	.8039	1.227	1.353	1.209
%RSD	45.85	234.1	586.4	35.86	27.77
#1	.9514	.5791	-.0396	4.838	-4.218
#2	.3691	-.7157	.9244	4.234	-5.623
#3	1.021	-.8938	-1.513	2.251	-3.217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: mb 200-59100/1-a Acquired: 7/30/2013 23:15:18 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PBSG8

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	.2600	3.552
Stddev	.2189	.010
%RSD	84.18	.2702
#1	.1425	3.541
#2	.5126	3.557
#3	.1250	3.558
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.65	1730.3	1476.6	7397.3
Stddev	.94	4.5	3.5	111.0
%RSD	.61824	.26103	.23754	1.5008
#1	152.73	1725.8	1472.6	7301.8
#2	151.25	1734.9	1478.2	7519.1
#3	150.99	1730.1	1479.1	7371.0

3
3
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Test America Inc., Burlington
METICP7

Sample Name: lcs 200-59100/2-a Acquired: 7/30/2013 23:23:19 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG8

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	19.97	440.9	18.42	408.3	9.557
Stddev	.53	7.2	.44	3.8	.067
%RSD	2.630	1.623	2.411	.9288	.6983
#1	20.21	438.8	18.91	404.0	9.483
#2	19.37	448.9	18.05	409.6	9.613
#3	20.33	435.0	18.30	411.3	9.576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10450.	10.17	101.0	19.80	48.57
Stddev	31.	.11	.8	.12	.35
%RSD	.2995	1.068	.7772	.6263	.7310
#1	10430.	10.05	100.2	19.66	48.91
#2	10430.	10.20	101.8	19.90	48.20
#3	10480.	10.25	100.9	19.84	48.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
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Test America Inc., Burlington
METICP7

Sample Name: lcs 200-59100/2-a Acquired: 7/30/2013 23:23:19 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG8

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	191.6	9969.	10240.	31.25	9845.
Stddev	4.8	109.	54.	.05	15.
%RSD	2.490	1.096	.5279	.1485	.1556
#1	195.4	9843.	10180.	31.30	9827.
#2	193.2	10040.	10250.	31.23	9852.
#3	186.3	10030.	10290.	31.21	9856.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	81.78	19.12	114.8	65.86	45.87
Stddev	.85	1.22	.7	1.36	1.47
%RSD	1.045	6.374	.5936	2.070	3.198
#1	80.86	19.76	114.2	64.38	44.80
#2	81.92	19.89	114.7	67.06	47.54
#3	82.55	17.71	115.5	66.15	45.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
7/31/2013 10:14:51

Test America Inc., Burlington
METICP7

Sample Name: lcs 200-59100/2-a Acquired: 7/30/2013 23:23:19 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LCSG8

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	100.8	124.2
Stddev	.1	.5
%RSD	.0940	.4314
#1	100.7	123.5
#2	100.9	124.5
#3	100.8	124.5
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.34	1710.9	1460.0	7290.9
Stddev	.78	6.8	4.2	16.4
%RSD	.51655	.39742	.29033	.22461
#1	150.41	1703.0	1459.2	7275.9
#2	149.53	1715.5	1456.2	7308.4
#3	151.08	1714.1	1464.5	7288.5

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-d-2-a Acquired: 7/30/2013 23:31:13 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS003 (072413)

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.809	59640.	91.12	237.6	2.902
Stddev	.557	150.	.94	3.2	.048
%RSD	30.78	.2513	1.031	1.350	1.636
#1	-1.256	59520.	91.60	239.1	2.865
#2	-2.369	59590.	91.71	239.7	2.886
#3	-1.803	59810.	90.03	233.9	2.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	28790.	1.649	22.75	223.9	145.6
Stddev	129.	.141	.12	.6	.5
%RSD	.4476	8.577	.5066	.2764	.3092
#1	28670.	1.704	22.62	223.8	146.0
#2	28780.	1.756	22.84	224.6	145.8
#3	28930.	1.489	22.80	223.4	145.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-d-2-a Acquired: 7/30/2013 23:31:13 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS003 (072413)

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	186000.	14420.	10560.	731.9	477.8
Stddev	471.	85.	36.	1.0	10.1
%RSD	.2534	.5877	.3376	.1343	2.117
#1	186200.	14350.	10530.	732.9	480.1
#2	186300.	14390.	10540.	730.9	466.7
#3	185400.	14510.	10600.	731.9	486.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	241.5	281.6	6.888	12.26	-6.421
Stddev	1.0	2.3	1.510	1.19	1.073
%RSD	.4228	.8286	21.93	9.723	16.71
#1	242.5	279.2	8.599	12.67	-6.408
#2	241.6	283.8	6.322	10.92	-5.355
#3	240.4	281.8	5.741	13.19	-7.501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-d-2-a Acquired: 7/30/2013 23:31:13 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS003 (072413)

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	288.5	482.2
Stddev	.8	.8
%RSD	.2882	.1684
#1	289.5	482.5
#2	288.3	482.8
#3	287.9	481.3
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	154.37	1876.3	1604.6	8124.1
Stddev	1.02	17.8	5.7	9.7
%RSD	.66311	.94651	.35404	.11974
#1	154.59	1858.6	1599.6	8118.1
#2	153.25	1876.1	1603.6	8135.3
#3	155.27	1894.1	1610.8	8118.8

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a Acquired: 7/30/2013 23:39:01 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.842	77500.	111.2	351.7	2.942
Stddev	.280	70.	1.4	3.2	.024
%RSD	5.776	.0905	1.287	.9065	.8188
#1	4.585	77510.	112.8	353.3	2.925
#2	4.801	77420.	109.9	348.0	2.970
#3	5.140	77560.	110.9	353.8	2.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	157000.	1.169	36.72	147.9	134.5
Stddev	425.	.162	.17	.5	.3
%RSD	.2705	13.87	.4670	.3385	.1972
#1	156700.	1.032	36.61	147.4	134.8
#2	156700.	1.348	36.64	147.8	134.4
#3	157500.	1.128	36.92	148.4	134.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a Acquired: 7/30/2013 23:39:01 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	171500.	9747.	12880.	1016.	1074.
Stddev	394.	11.	52.	4.	9.
%RSD	.2299	.1100	.4044	.3949	.8343
#1	171100.	9735.	12840.	1013.	1068.
#2	171400.	9755.	12860.	1015.	1069.
#3	171900.	9751.	12940.	1020.	1084.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	57.83	179.0	5.347	13.90	-7.386
Stddev	1.17	2.1	1.488	1.06	1.507
%RSD	2.023	1.180	27.83	7.638	20.41
#1	57.05	178.7	6.972	14.98	-7.955
#2	59.18	177.1	4.051	12.86	-5.678
#3	57.27	181.3	5.018	13.86	-8.527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a Acquired: 7/30/2013 23:39:01 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	343.5	438.3
Stddev	1.7	1.9
%RSD	.4921	.4228
#1	342.9	437.0
#2	342.1	437.4
#3	345.4	440.4
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	148.95	2026.4	1736.4	8945.3
Stddev	.75	2.1	3.6	24.1
%RSD	.50197	.10340	.20723	.26906
#1	148.78	2024.1	1733.1	8924.2
#2	148.31	2028.1	1740.2	8940.2
#3	149.77	2027.1	1735.9	8971.5

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a SD@5 Acquired: 7/30/2013 23:46:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)L

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7833	18080.	26.24	82.74	.7415
Stddev	.3090	25.	.43	.53	.0614
%RSD	39.45	.1363	1.627	.6423	8.279
#1	1.136	18100.	26.12	83.12	.8015
#2	.6536	18060.	26.71	82.97	.6788
#3	.5604	18060.	25.89	82.14	.7441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	37440.	.3611	8.659	34.85	30.70
Stddev	47.	.1175	.026	.16	.27
%RSD	.1242	32.52	.3021	.4611	.8942
#1	37440.	.3365	8.652	34.66	30.95
#2	37390.	.4889	8.637	34.92	30.40
#3	37490.	.2579	8.688	34.96	30.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a SD@5 Acquired: 7/30/2013 23:46:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)L

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	40330.	2310.	3091.	237.6	247.9
Stddev	128.	39.	29.	.5	7.6
%RSD	.3182	1.704	.9299	.1971	3.066
#1	40340.	2351.	3118.	238.0	239.9
#2	40460.	2307.	3061.	237.7	248.7
#3	40200.	2272.	3093.	237.1	255.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	14.63	36.62	1.523	5.411	-1.005
Stddev	.38	1.58	.427	1.978	1.838
%RSD	2.611	4.303	28.04	36.55	183.0
#1	14.89	37.20	1.220	5.794	-1.714
#2	14.80	34.83	2.012	3.269	1.082
#3	14.19	37.82	1.338	7.169	-2.382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a SD@5 Acquired: 7/30/2013 23:46:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)L

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	78.95	102.8
Stddev	.24	.1
%RSD	.3026	.1169
#1	78.70	102.7
#2	78.97	103.0
#3	79.17	102.8
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	153.73	1811.8	1546.4	7701.1
Stddev	.77	2.8	.5	72.3
%RSD	.49785	.15268	.03451	.93836
#1	153.13	1811.5	1545.8	7641.5
#2	153.47	1809.2	1546.8	7781.5
#3	154.59	1814.7	1546.5	7680.4

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a PDS Acquired: 7/30/2013 23:54:46 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)A

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20.31	76380.	126.1	682.7	11.15
Stddev	.46	413.	2.1	6.1	.12
%RSD	2.257	.5408	1.640	.8903	1.108
#1	19.93	75930.	128.1	676.6	11.02
#2	20.18	76480.	126.3	682.7	11.25
#3	20.82	76740.	123.9	688.7	11.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	162000.	9.164	119.0	161.5	171.1
Stddev	1048.	.103	.4	.1	.4
%RSD	.6469	1.120	.3166	.0373	.2307
#1	161000.	9.241	118.6	161.4	171.1
#2	161900.	9.048	119.3	161.5	170.7
#3	163100.	9.205	119.0	161.5	171.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a PDS Acquired: 7/30/2013 23:54:46 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)A

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	168500.	17870.	20850.	1022.	9292.
Stddev	378.	96.	161.	4.	53.
%RSD	.2243	.5363	.7737	.4119	.5690
#1	168200.	17790.	20690.	1024.	9237.
#2	168400.	17840.	20840.	1018.	9296.
#3	169000.	17980.	21010.	1025.	9342.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	123.1	194.4	104.7	65.36	41.57
Stddev	.9	1.5	1.7	1.01	1.35
%RSD	.7273	.7738	1.648	1.551	3.245
#1	122.1	195.4	106.0	66.27	40.42
#2	123.8	195.1	105.4	64.27	43.05
#3	123.4	192.6	102.7	65.55	41.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-a PDS Acquired: 7/30/2013 23:54:46 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)A

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	421.2	529.6
Stddev	.6	.4
%RSD	.1478	.0842
#1	420.5	529.4
#2	421.7	530.2
#3	421.3	529.4
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	149.35	2007.0	1724.3	8885.5
Stddev	.36	2.4	3.2	69.9
%RSD	.23796	.12196	.18326	.78627
#1	149.65	2007.6	1720.6	8916.6
#2	148.95	2009.1	1726.2	8934.4
#3	149.44	2004.3	1726.0	8805.4

3
3
7/31/2013 10:14:58

Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-b du Acquired: 7/31/2013 0:02:32 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)D

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.232	77060.	100.7	357.4	2.833
Stddev	.118	310.	1.3	2.1	.033
%RSD	2.789	.4021	1.280	.6015	1.167
#1	4.097	76700.	100.3	355.9	2.816
#2	4.316	77240.	102.1	356.5	2.811
#3	4.283	77230.	99.68	359.8	2.871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	136500.	1.131	37.24	154.3	166.9
Stddev	855.	.073	.24	.4	.9
%RSD	.6262	6.451	.6340	.2411	.5114
#1	135600.	1.151	37.51	153.9	166.7
#2	137200.	1.050	37.07	154.2	167.9
#3	136900.	1.192	37.14	154.7	166.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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3
7/31/2013 10:15:00

Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-b du Acquired: 7/31/2013 0:02:32 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)D

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	165900.	9608.	13690.	1104.	775.0
Stddev	492.	41.	145.	2.	9.8
%RSD	.2967	.4238	1.062	.2221	1.270
#1	166100.	9568.	13520.	1105.	783.7
#2	166300.	9649.	13770.	1106.	764.3
#3	165300.	9607.	13770.	1101.	776.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	61.51	150.2	6.089	10.58	-9.072
Stddev	.20	2.3	.657	1.61	1.411
%RSD	.3211	1.559	10.78	15.18	15.55
#1	61.34	149.1	5.610	12.39	-8.246
#2	61.72	148.6	6.838	10.07	-8.268
#3	61.46	152.9	5.820	9.296	-10.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-b du Acquired: 7/31/2013 0:02:32 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)D

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	317.0	394.0
Stddev	1.3	1.0
%RSD	.4224	.2431
#1	317.4	393.5
#2	318.0	393.5
#3	315.5	395.1
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	150.83	2079.4	1781.5	9146.3
Stddev	.08	13.8	6.6	82.7
%RSD	.05190	.66581	.36991	.90431
#1	150.91	2065.5	1773.9	9237.5
#2	150.76	2079.5	1785.6	9076.1
#3	150.81	2093.2	1785.1	9125.3

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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-c ms Acquired: 7/31/2013 0:10:21 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	86.31	75500.	177.8	3684.	87.84
Stddev	.24	225.	1.4	5.	.23
%RSD	.2750	.2975	.7825	.1398	.2637
#1	86.17	75270.	178.1	3679.	87.71
#2	86.58	75720.	179.0	3683.	88.10
#3	86.17	75520.	176.2	3689.	87.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	164100.	82.40	875.0	480.9	539.3
Stddev	192.	.29	2.3	.7	1.8
%RSD	.1169	.3522	.2640	.1514	.3342
#1	163900.	82.14	872.4	480.1	538.0
#2	164200.	82.35	875.9	481.3	541.4
#3	164200.	82.72	876.7	481.4	538.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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7/31/2013 10:15:01

Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-c ms Acquired: 7/31/2013 0:10:21 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)S

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	165100.	10390.	11120.	1853.	620.2
Stddev	732.	30.	13.	5.	12.3
%RSD	.4434	.2903	.1145	.2878	1.982
#1	164800.	10380.	11110.	1849.	606.1
#2	165900.	10420.	11130.	1859.	628.7
#3	164600.	10370.	11120.	1851.	625.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	893.8	183.1	68.43	87.57	81.02
Stddev	1.9	3.1	.57	2.31	.47
%RSD	.2093	1.700	.8278	2.644	.5774
#1	892.0	185.8	68.59	84.98	80.66
#2	895.7	183.7	68.89	88.29	81.54
#3	893.8	179.7	67.80	89.44	80.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: 200-17642-e-3-c ms Acquired: 7/31/2013 0:10:21 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TS004 (072413)S

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	1163.	1251.
Stddev	3.	2.
%RSD	.2680	.1553
#1	1160.	1249.
#2	1166.	1252.
#3	1161.	1253.
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	152.80	2011.0	1719.6	8897.0
Stddev	1.68	11.1	2.0	20.5
%RSD	1.0965	.55221	.11622	.23064
#1	151.88	2000.4	1721.2	8876.6
#2	151.78	2010.0	1717.4	8896.8
#3	154.73	2022.6	1720.3	8917.6

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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/31/2013 0:18:05 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY2

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	411.2	120200.	786.5	5148.	2565.
Stddev	.6	362.	1.5	15.	8.
%RSD	.1539	.3006	.1917	.3005	.3234
#1	410.5	119800.	787.7	5137.	2555.
#2	411.6	120300.	784.8	5142.	2567.
#3	411.6	120500.	787.1	5166.	2571.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	122900.	799.6	2023.	1589.	4911.
Stddev	389.	.3	2.	1.	16.
%RSD	.3169	.0410	.0766	.0839	.3172
#1	122500.	800.0	2025.	1589.	4897.
#2	122900.	799.4	2023.	1590.	4928.
#3	123200.	799.4	2022.	1587.	4907.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/31/2013 0:18:05 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY2

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	122300.	40390.	122400.	5044.	40420.
Stddev	143.	108.	506.	4.	138.
%RSD	.1172	.2675	.4133	.0849	.3408
#1	122400.	40270.	122100.	5040.	40260.
#2	122400.	40430.	122100.	5049.	40490.
#3	122200.	40470.	123000.	5043.	40500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5022.	5009.	978.3	793.3	795.5
Stddev	5.	32.	1.8	1.6	3.9
%RSD	.1030	.6437	.1881	.2013	.4845
#1	5017.	5045.	979.6	791.4	798.8
#2	5027.	4986.	976.2	794.0	791.3
#3	5023.	4995.	979.0	794.4	796.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

2
3
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Test America Inc., Burlington
METICP7

Sample Name: CCV Acquired: 7/31/2013 0:18:05 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCVY2

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	5010.	5058.
Stddev	5.	3.
%RSD	.1064	.0508
#1	5006.	5055.
#2	5010.	5060.
#3	5016.	5059.
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	141.20	1610.2	1385.4	7141.7
Stddev	1.46	4.5	4.0	46.1
%RSD	1.0366	.27801	.28603	.64546
#1	139.51	1607.6	1381.3	7131.4
#2	142.04	1615.4	1385.8	7192.1
#3	142.05	1607.7	1389.2	7101.6

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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/31/2013 0:25:59 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY2

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2686	31.41	-.3564	.7386	.4909
Stddev	.2731	16.63	.7370	2.021	.2931
%RSD	101.7	52.95	206.8	273.6	59.70
#1	-.2392	47.65	.4738	2.784	.8265
#2	-.0114	32.17	-.9335	-1.256	.3600
#3	-.5552	14.41	-.6096	.6872	.2860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20.67	-.0480	-.0654	.1777	1.236
Stddev	35.19	.0536	.0883	.3166	.503
%RSD	170.2	111.7	135.0	178.2	40.72
#1	59.77	-.0070	-.1618	.5286	1.787
#2	-8.447	-.1087	-.0458	-.0865	1.122
#3	10.69	-.0284	.0115	.0908	.8000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

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Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/31/2013 0:25:59 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY2

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	22.57	83.40	38.39	.8698	-1.012
Stddev	14.97	18.93	23.22	.6139	11.20
%RSD	66.35	22.70	60.50	70.58	1107.
#1	38.35	94.98	64.84	1.505	11.82
#2	20.80	61.55	28.93	.8251	-8.809
#3	8.561	93.66	21.38	.2795	-6.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7210	.9847	.4696	2.499	-.0599
Stddev	1.171	1.188	1.006	1.309	1.205
%RSD	162.4	120.6	214.2	52.38	2011.
#1	2.021	2.319	-.4619	2.998	-1.324
#2	-.2505	.0419	1.536	1.014	1.075
#3	.3927	.5938	.3349	3.486	.0698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
7/31/2013 10:15:05

Test America Inc., Burlington
METICP7

Sample Name: CCB Acquired: 7/31/2013 0:25:59 Type: QC
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: CCBY2

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	.8111	.5535
Stddev	.3838	.3788
%RSD	47.32	68.44
#1	1.203	.9828
#2	.7935	.4112
#3	.4363	.2664
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	151.53	1737.2	1481.1	7295.9
Stddev	.42	2.6	5.3	58.8
%RSD	.27439	.14748	.35902	.80586
#1	151.93	1737.1	1477.4	7282.3
#2	151.58	1734.7	1487.2	7245.2
#3	151.10	1739.8	1478.6	7360.4

3
3
7/31/2013 10:15:05

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 NEW Acquired: 7/31/2013 0:33:58 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ca Mg K Na Custom ID2: Custom ID3:
Comment: 524376 ID

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9093	48710.	-1.053	4.175	-.0132
Stddev	.3503	519.	.685	2.357	.0754
%RSD	38.52	1.066	65.03	56.45	569.2
#1	-1.311	48330.	-.9003	1.727	.0176
#2	-.7507	48490.	-.4572	6.429	.0418
#3	-.6663	49300.	-1.801	4.370	-.0992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	50580.	.4993	.7850	.2170	3.693
Stddev	550.	.0537	.2343	.0472	.375
%RSD	1.087	10.76	29.85	21.73	10.15
#1	50060.	.5315	.7929	.2602	3.329
#2	50510.	.4373	.5469	.1667	3.674
#3	51160.	.5291	1.015	.2241	4.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
7/31/2013 10:15:07

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 NEW Acquired: 7/31/2013 0:33:58 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ca Mg K Na Custom ID2: Custom ID3:
Comment: 524376 ID

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	48050.	49080.	51520.	.7511	46330.
Stddev	808.	556.	531.	.0276	524.
%RSD	1.681	1.133	1.030	3.676	1.132
#1	47280.	48620.	51000.	.7409	45930.
#2	47980.	48920.	51500.	.7824	46130.
#3	48890.	49700.	52060.	.7301	46920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.442	-1.430	-1.065	3.619	.9134
Stddev	.891	2.187	.406	.637	.3716
%RSD	61.81	152.9	38.18	17.60	40.68
#1	1.542	-1.874	-.9540	3.704	1.038
#2	.5048	-3.361	-1.515	2.944	1.207
#3	2.279	.9451	-.7248	4.209	.4956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
7/31/2013 10:15:07

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 NEW Acquired: 7/31/2013 0:33:58 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Ca Mg K Na Custom ID2: Custom ID3:
Comment: 524376 ID

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	-1.042	1.191
Stddev	.082	.083
%RSD	7.823	6.964
#1	-1.133	1.096
#2	-.9775	1.232
#3	-1.014	1.245
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	146.54	1688.4	1448.1	7240.8
Stddev	3.55	18.8	14.6	14.0
%RSD	2.4235	1.1133	1.0068	.19317
#1	149.57	1700.9	1462.9	7244.0
#2	147.40	1697.5	1447.7	7225.5
#3	142.63	1666.8	1433.7	7252.9

3
3
7/31/2013 10:15:07

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 OLD Acquired: 7/31/2013 0:41:53 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 502452 ID

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6589	49460.	.8201	1.368	.0120
Stddev	.4018	106.	.3640	.644	.0227
%RSD	60.98	.2133	44.39	47.06	188.7
#1	-.1975	49340.	1.092	.7224	-.0135
#2	-.9322	49500.	.9621	1.372	.0197
#3	-.8470	49540.	.4065	2.010	.0298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	51370.	.4061	.8287	.0265	3.275
Stddev	93.	.1411	.1440	.1510	.220
%RSD	.1808	34.75	17.37	570.5	6.702
#1	51360.	.5331	.9836	.0817	3.386
#2	51280.	.4312	.6989	-.1443	3.416
#3	51460.	.2542	.8036	.1420	3.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
7/31/2013 10:15:08

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 OLD Acquired: 7/31/2013 0:41:53 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 502452 ID

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	48920.	49840.	52350.	.7471	47090.
Stddev	69.	61.	59.	.0186	71.
%RSD	.1414	.1227	.1123	2.491	.1507
#1	48860.	49800.	52280.	.7293	47010.
#2	48990.	49810.	52370.	.7664	47150.
#3	48890.	49910.	52390.	.7455	47110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.260	.1628	.8110	3.620	-.9294
Stddev	.305	1.441	1.180	1.900	2.406
%RSD	13.50	885.1	145.5	52.47	258.8
#1	2.394	.0227	1.678	3.032	-3.635
#2	2.474	-1.203	-.5327	2.084	.9691
#3	1.910	1.668	1.287	5.744	-.1225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
7/31/2013 10:15:08

Test America Inc., Burlington
METICP7

Sample Name: SCREEN STD7 OLD Acquired: 7/31/2013 0:41:53 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 502452 ID

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	-.9592	.9488
Stddev	.1203	.0964
%RSD	12.54	10.16
#1	-1.053	1.048
#2	-1.001	.8556
#3	-.8236	.9427
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	144.80	1667.0	1434.5	7176.8
Stddev	.35	5.5	3.4	37.1
%RSD	.24384	.33109	.24006	.51697
#1	144.40	1664.5	1430.5	7140.1
#2	144.98	1663.2	1437.0	7214.3
#3	145.03	1673.4	1435.9	7175.9

3
3
7/31/2013 10:15:08

Test America Inc., Burlington
METICP7

Sample Name: SCREEN CCV Acquired: 7/31/2013 0:49:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 525492 ID

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.11	26460.	93.91	208.6	100.4
Stddev	.60	130.	1.57	.1	.6
%RSD	.6153	.4920	1.672	.0687	.5683
#1	97.16	26480.	92.35	208.5	100.4
#2	96.49	26320.	93.91	208.4	99.77
#3	97.68	26580.	95.49	208.7	100.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	27300.	97.19	203.0	193.6	183.9
Stddev	127.	.29	1.5	.5	.5
%RSD	.4636	.3013	.7309	.2711	.2907
#1	27270.	96.94	201.3	193.0	183.4
#2	27190.	97.51	203.4	194.0	183.7
#3	27440.	97.11	204.1	193.9	184.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

1
3
7/31/2013 10:15:10

Test America Inc., Burlington
METICP7

Sample Name: SCREEN CCV Acquired: 7/31/2013 0:49:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 525492 ID

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	26390.	26610.	27910.	205.8	25060.
Stddev	85.	184.	184.	.5	117.
%RSD	.3212	.6918	.6586	.2487	.4666
#1	26300.	26540.	27880.	205.3	25130.
#2	26440.	26470.	27750.	206.3	24930.
#3	26440.	26820.	28110.	205.8	25130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Tl-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	203.2	396.3	291.6	97.27	105.0
Stddev	1.2	1.4	.4	1.62	2.8
%RSD	.5810	.3485	.1507	1.661	2.708
#1	202.0	397.4	291.6	98.44	108.3
#2	203.3	394.7	292.1	95.42	103.7
#3	204.4	396.7	291.2	97.94	103.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

2
3
7/31/2013 10:15:10

Test America Inc., Burlington
METICP7

Sample Name: SCREEN CCV Acquired: 7/31/2013 0:49:50 Type: Unk
Method: ism1.2(v759) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 525492 ID

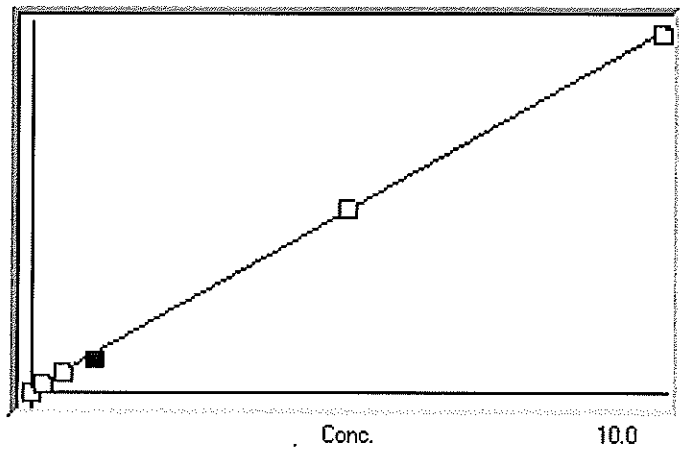
Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	200.4	202.7
Stddev	.1	1.0
%RSD	.0330	.5115
#1	200.4	201.7
#2	200.4	202.7
#3	200.3	203.8
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	147.61	1679.4	1452.0	7267.4
Stddev	.48	4.7	1.6	24.5
%RSD	.32540	.28063	.11320	.33772
#1	147.06	1677.9	1453.9	7271.7
#2	147.90	1675.6	1451.2	7289.6
#3	147.88	1684.7	1450.9	7241.0

3
3
7/31/2013 10:15:10

C73013AA

Protocol: MEPCV3II



Wt. lin.

☑ Calibrated

☑ Accepted

A :

B 2.84423e-4

C -6.79556e-2

Rhc .999944

Accepted Date: 30-Jul-13 11:13

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.020	-.020	168	1	168				
02	.20000	.197	-.003	934	0%	933				
03	.50000	.522	.022	2073	0%	2073				
04	1.0000	.963	-.037	3623	0%	3623				
05	5.0000	5.07	.074	18078	0%	18077				
06	10.000	9.97	-.035	35275	0%	35275				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 2664	11:01:43 30 Jul 13	HG		
Hg	.000	ppb	168					
*** Standard: 2 Rep: 1				Seq: 2665	11:04:25 30 Jul 13	HG		
Hg	.200	ppb	933					
*** Standard: 3 Rep: 1				Seq: 2666	11:07:04 30 Jul 13	HG		
Hg	.500	ppb	2073					
*** Standard: 4 Rep: 1				Seq: 2667	11:09:09 30 Jul 13	HG		
Hg	1.00	ppb	3623					
*** Standard: 5 Rep: 1				Seq: 2668	11:11:18 30 Jul 13	HG		
Hg	5.00	ppb	18077					
*** Standard: 6 Rep: 1				Seq: 2669	11:13:52 30 Jul 13	HG		
Hg	10.0	ppb	35275					
*** Sample ID: ICV			073013AA	Seq: 2670	11:16:03 30 Jul 13	HG		
Hg	4.03	ppb	14396					
*** Sample ID: ICB			073013AA	Seq: 2671	11:19:06 30 Jul 13	HG		
Hg	-.032	ppb	126					
*** Sample ID: CCV			07301□3AA	Seq: 2672	11:21:36 30 Jul 13	HG		
			CCVP9					
Hg	4.99	ppb	17791					
*** Sample ID: CCB			073013AA	Seq: 2673	11:23:37 30 Jul 13	HG		
			CCBP9					
Hg	-.182	ppb	-402					
*** Sample ID: MB			073013AA	Seq: 2674	11:25:55 30 Jul 13	HG		
			PBSE1					
Hg	-.014	ppb	190					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 17642-F-1			073013AA	Seq: 2675	11:27:54 30 Jul 13	HG		
			TS002 (072413)					

*EPT 7/30/13

```
Hg    .119    ppb      657
                                                                              =
================================================================================
*** Sample ID: 17642F1DU  073013AA   Seq:  2676   11:31:04 30 Jul 13   HG
                          TS002 (072413)D
Hg    .335    ppb      1417
                                                                              =
================================================================================
*** Sample ID: 17642F1MS  073013AA   Seq:  2677   11:33:06 30 Jul 13   HG
                          TS002 (072413)S
Hg    2.37    ppb      8578
                                                                              =
================================================================================
*** Sample ID: 17642-E-2  073013AA   Seq:  2678   11:35:05 30 Jul 13   HG
                          TS003 (072413)
Hg    .189    ppb      904
                                                                              =
================================================================================
*** Sample ID: 17642-F-3  073013AA   Seq:  2679   11:37:47 30 Jul 13   HG
                          TS004 (072413)
Hg    .100    ppb      589
                                                                              =
================================================================================
*** Sample ID: CCV        073013AA   Seq:  2680   11:40:16 30 Jul 13   HG
                          CCVQ1
Hg    5.21    ppb      18545
                                                                              =
================================================================================
*** Sample ID: CCB        073013AA   Seq:  2681   11:42:34 30 Jul 13   HG
                          CCBQ1
Hg   -.058    ppb      35
                                                                              =
```

Cyanide Calibration Curve Worksheet

CYANIDE: Lachat 2 (QuickChem 8000 Series)
Method: ISM01.1
File: OM_07-30-13_02-58-57PM.OMN
Analysis Date: Analyst:
7/30/2013 VP

	ug/L	Peak Area	
std 0	0	0.0163	
std 1	10	0.611	
std 2	50	3.068	
std 3	100	6.108	
std 4	200	12.06	
std 5	400	23.95	

N =	6
r =	0.999986182
intercept =	-0.967643701
slope =	16.71579786

	Nominal Std	Peak Area	Calculated Result	%Difference
std 0	0	0.0163	-0.695176196	
std 1	10	0.611	9.245708793	7.542912072
std 2	50	3.068	50.31642414	0.632848281
std 3	100	6.108	101.1324496	1.132449642
std 4	200	12.06	200.6248785	0.312439259
std 5	400	23.95	399.3757151	0.156071225

Original Run Filename: OM_07-30-13_02-58-57PM.OMN created 07/30/13 2:58:57 PM
Original Run Author's Signature: [inorg-user]
Current Run Filename: OM_07-30-13_02-58-57PM.OMN last modified 07/30/13 3:24:44 PM
Current Run Author's Signature: [inorg-user]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (ug/L)	Area (Vs)	Height (V)	Detection Time	Weight	Description
ic 200-59131/1-a	1	S1	0.000	0.01630	0.002508	07/30/13@2:59:56 PM		S0
ic 200-59131/2-a	1	S2	10.00	0.6110	0.03786	07/30/13@3:01:04 PM		S10
ic 200-59131/3-a	1	S3	50.00	3.068	0.1885	07/30/13@3:02:11 PM		S50
ic 200-59131/4-a	1	S4	100.0	6.108	0.3755	07/30/13@3:03:19 PM		S100
ic 200-59131/5-a	1	S5	200.0	12.06	0.7408	07/30/13@3:04:25 PM		S200
ic 200-59131/6-a	1	S6	400.0	23.95	1.460	07/30/13@3:05:34 PM		S400
icv 200-59131/7-a	1	S7	101.4	6.122	0.3758	07/30/13@3:06:41 PM		ICV
Known Conc:			99.00					
Calibration:			Table/Fig. 1					
icb 200-59131/8-a	1	S8	-0.6344	0.01973	9.529e-4	07/30/13@3:07:49 PM		ICB
Known Conc:			0.000					
ccv 200-59131/9-a	1	S9	202.2	12.16	0.7476	07/30/13@3:08:57 PM		CCVB5
Known Conc:			200.0					
ccb 200-59131/10-a	1	S10	-0.6384	0.01948	0.001309	07/30/13@3:10:04 PM		CCBB5
Known Conc:			0.000					
MB073013A	1	S11	-0.9419	0.001334	3.213e-5	07/30/13@3:11:12 PM		PBWA4
Known Conc:			0.000					
MB073013B	1	S12	-0.6080	0.02130	3.566e-4	07/30/13@3:12:20 PM		PBSA4
Known Conc:			100.0					
200-17524-a-4-a	1	S13	56.70	3.450	0.2132	07/30/13@3:13:28 PM		MX1406
200-17524-a-4-b du	1	S14	57.63	3.505	0.2164	07/30/13@3:14:36 PM		MX1406D
200-17524-a-4-c ms	1	S15	158.9	9.566	0.5890	07/30/13@3:15:43 PM		MX1406S
200-17525-a-4-a	1	S16	112.0	6.759	0.4165	07/30/13@3:16:51 PM		MX1410
200-17525-a-4-b du	1	S17	115.1	6.941	0.4311	07/30/13@3:17:59 PM		MX1410D
200-17525-a-4-c ms	1	S18	213.6	12.83	0.7922	07/30/13@3:19:07 PM		MX1410S
200-17642-a-2-c	1	S19	1.465	0.1453	0.008337	07/30/13@3:20:15 PM		TS003 (072413)
200-17642-a-3-c	1	S20	7.817	0.5253	0.03128	07/30/13@3:21:23 PM		TS004 (072413)
ccv 200-59131/9-a	1	S9	204.8	12.31	0.7576	07/30/13@3:22:31 PM		CCVB6
Known Conc:			200.0					
ccb 200-59131/10-a	1	S10	-0.9478	9.762e-4	-3.363e-4	07/30/13@3:23:38 PM		CCBB6
Known Conc:			0.000					

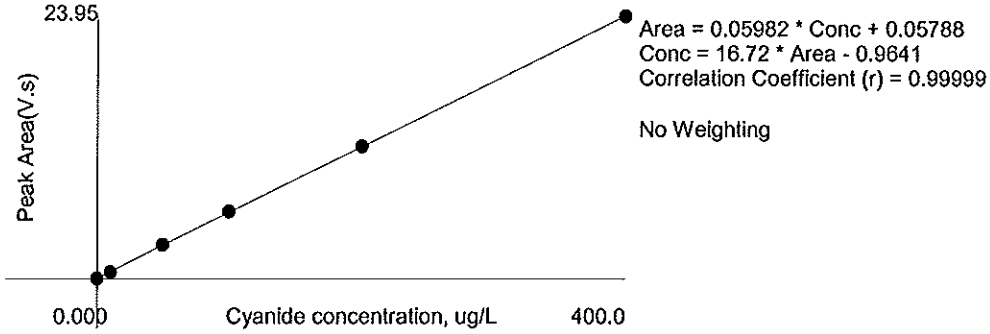
Analyte Properties Table for OM_07-30-13_02-58-57PM.OMN

Property	Channel 1 Cyanide
Concentration Units	ug/L
Callibration Fit Type	First Order
Clear Calibration	True
Force Through Zero	False
Calibration Weighting	None
Auto Dilution Trigger	True
% of High Standard	110
Quik Chem Method	
Chemistry	Direct/Bipolar
Calibration by Height	False
Inject to Peak Start	24
Peak Base Width	39

Table 1: Cyanide

	Conc. (ug/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	400.0	1	23.95	1.460	0.2	07/30/13	3:06:38 PM
2	200.0	1	12.06	0.7408	-0.3	07/30/13	3:05:31 PM
3	100.0	1	6.108	0.3755	-1.1	07/30/13	3:04:23 PM
4	50.00	1	3.068	0.1885	-0.6	07/30/13	3:03:16 PM
5	10.00	1	0.6110	0.03786	6.9	07/30/13	3:02:09 PM
6	0.000	1	0.01630	0.002508		07/30/13	3:01:01 PM

Figure 1: Cyanide



METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59100 Batch Start Date: 07/29/13 18:30 Batch Analyst: Fodge, John F

Batch Method: 3050B Batch End Date: 07/30/13 00:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ColorBefore	ColorAfter	ClarityAfter	Texture
MB 200-59100/1	PBSG8	3050B, ISM01.3/ICP		1.00 g	100.00 mL				
LCS 200-59100/2	LCSG8	3050B, ISM01.3/ICP		1.00 g	100.00 mL				
200-17642-D-2	TS003 (072413)	3050B, ISM01.3/ICP	T	1.46 g	100.00 mL	dark brown	tan	cloudy	medium
200-17642-E-3	TS004 (072413)	3050B, ISM01.3/ICP	T	1.39 g	100.00 mL	dark brown	brown	cloudy	medium
200-17642-E-3 DU	TS004 (072413)D	3050B, ISM01.3/ICP	T	1.42 g	100.00 mL	dark brown	brown	cloudy	medium
200-17642-E-3 MS	TS004 (072413)S	3050B, ISM01.3/ICP	T	1.44 g	100.00 mL	dark brown	brown	cloudy	medium

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME5PPMAGw 00032	MEISMAg 00008	MEISMOESLCS 00033	MEISMOESSPKi 00026	AnalysisComment	
MB 200-59100/1	PBSG8	3050B, ISM01.3/ICP						PBSG8	
LCS 200-59100/2	LCSG8	3050B, ISM01.3/ICP			1 mL	1 mL			
200-17642-D-2	TS003 (072413)	3050B, ISM01.3/ICP	T						
200-17642-E-3	TS004 (072413)	3050B, ISM01.3/ICP	T						
200-17642-E-3 DU	TS004 (072413)D	3050B, ISM01.3/ICP	T						
200-17642-E-3 MS	TS004 (072413)S	3050B, ISM01.3/ICP	T	2 mL			2 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59100 Batch Start Date: 07/29/13 18:30 Batch Analyst: Fodge, John F

Batch Method: 3050B Batch End Date: 07/30/13 00:45

Batch Notes	
Batch Comment	PBSG7
Hydrogen peroxide lot number	489347
Lot # of hydrochloric acid	530097
Lot # of Nitric Acid	530644
Hot Block ID number	B4:6
Oven, Bath or Block Temperature 1	95 Degrees C
Pipette ID	WC1, GH25748
Person who witnessed spiking	TPB
First Start time	1830

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59074 Batch Start Date: 07/29/13 12:30 Batch Analyst: Tober, Elizabeth R

Batch Method: 7471B Batch End Date: 07/29/13 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ColorBefore	ColorAfter	ClarityBefore	ClarityAfter
IC 200-59074/1	S0	7471B, ISM01.3/HG		100 mL	100 mL				
IC 200-59074/2	S0.2	7471B, ISM01.3/HG		100 mL	100 mL				
IC 200-59074/3	S0.5	7471B, ISM01.3/HG		100 mL	100 mL				
IC 200-59074/4	S1	7471B, ISM01.3/HG		100 mL	100 mL				
IC 200-59074/5	S5	7471B, ISM01.3/HG		100 mL	100 mL				
IC 200-59074/6	S10	7471B, ISM01.3/HG		100 mL	100 mL				
ICV 200-59074/7	ICV	7471B, ISM01.3/HG		100 mL	100 mL				
ICB 200-59074/8	ICB	7471B, ISM01.3/HG		100 mL	100 mL				
CCV 200-59074/9	CCV	7471B, ISM01.3/HG		100 mL	100 mL				
CCB 200-59074/10	CCB	7471B, ISM01.3/HG		100 mL	100 mL				
MB 200-59074/11	PBSE1	7471B, ISM01.3/HG		0.50 g	100 mL				
200-17642-E-2	TS003 (072413)	7471B, ISM01.3/HG	T	0.52 g	100 mL	GRAY	COLORLESS	CLOUDY	CLEAR
200-17642-F-3	TS004 (072413)	7471B, ISM01.3/HG	T	0.57 g	100 mL	GRAY	COLORLESS	CLOUDY	CLEAR

Lab Sample ID	Client Sample ID	Method Chain	Basis	Texture	mehgccvw 00674	MEHGISMICVw 00067			
IC 200-59074/1	S0	7471B, ISM01.3/HG							
IC 200-59074/2	S0.2	7471B, ISM01.3/HG			0.2 mL				
IC 200-59074/3	S0.5	7471B, ISM01.3/HG			0.5 mL				
IC 200-59074/4	S1	7471B, ISM01.3/HG			1 mL				
IC 200-59074/5	S5	7471B, ISM01.3/HG			5 mL				
IC 200-59074/6	S10	7471B, ISM01.3/HG			10 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59074 Batch Start Date: 07/29/13 12:30 Batch Analyst: Tober, Elizabeth R

Batch Method: 7471B Batch End Date: 07/29/13 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Texture	mehgccvw 00674	MEHGISMICVw 00067			
ICV 200-59074/7	ICV	7471B, ISM01.3/HG				10 mL			
ICB 200-59074/8	ICB	7471B, ISM01.3/HG							
CCV 200-59074/9	CCV	7471B, ISM01.3/HG			5 mL				
CCB 200-59074/10	CCB	7471B, ISM01.3/HG							
MB 200-59074/11	PBSE1	7471B, ISM01.3/HG							
200-17642-E-2	TS003 (072413)	7471B, ISM01.3/HG	T	FINE					
200-17642-F-3	TS004 (072413)	7471B, ISM01.3/HG	T	FINE					

Batch Notes	
Hydroxylamine Hydrochloride Lot	531635
Balance ID	M02926
Batch Comment	SPIKE WITNESS VP
Lot # of hydrochloric acid	530100
Lot # of Nitric Acid	523428
Hot Block ID number	B7, B8
Potassium Permanganate Lot Number	536113
Oven, Bath or Block Temperature 1	B7:93 Degrees C
Oven, Bath or Block Temperature 2	B8:94 Degrees C
Pipette ID	WC1, HJ19631
Repittetor Volume Check	YES
Stannous Chloride Lot Number	531460
ID number of the thermometer	B7:36, B8:37
Digestion Tube/Cup Lot #	J166164-263

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59131 Batch Start Date: 07/30/13 10:00 Batch Analyst: Pham, Vu T

Batch Method: ISM01.2/CN Batch End Date: 07/30/13 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCNISM100ug/ 00043	WCCNISM10ug/L 00046	WCCNISM200ug/ 00044	WCCNISM400ug/ 00047
STD1 200-59131/1	S0	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				
STD2 200-59131/2	S10	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL		50 mL		
STD3 200-59131/3	S50	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				
STD4 200-59131/4	S100	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL	50 mL			
STD5 200-59131/5	S200	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL			50 mL	
STD6 200-59131/6	S400	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				50 mL
ICV 200-59131/7	ICV	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				
ICB 200-59131/8	ICB	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				
CCV 200-59131/9	CCV	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL			50 mL	
CCB 200-59131/10	CCB	ISM01.2/CN, ISM01.3/CN		50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCCNISM50ug/L 00044	WCCNISMICV 00047				
STD1 200-59131/1	S0	ISM01.2/CN, ISM01.3/CN							
STD2 200-59131/2	S10	ISM01.2/CN, ISM01.3/CN							
STD3 200-59131/3	S50	ISM01.2/CN, ISM01.3/CN		50 mL					
STD4 200-59131/4	S100	ISM01.2/CN, ISM01.3/CN							
STD5 200-59131/5	S200	ISM01.2/CN, ISM01.3/CN							
STD6 200-59131/6	S400	ISM01.2/CN, ISM01.3/CN							
ICV 200-59131/7	ICV	ISM01.2/CN, ISM01.3/CN			50 mL				
ICB 200-59131/8	ICB	ISM01.2/CN, ISM01.3/CN							
CCV 200-59131/9	CCV	ISM01.2/CN, ISM01.3/CN							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59131 Batch Start Date: 07/30/13 10:00 Batch Analyst: Pham, Vu T

Batch Method: ISM01.2/CN Batch End Date: 07/30/13 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCCNISM50ug/L 00044	WCCNISMICV 00047				
CCB 200-59131/10	CCB	ISM01.2/CN, ISM01.3/CN							

Batch Notes	
Magnesium Chloride Lot Number	478924
Sodium Hydroxide Reagent ID Number	496362
Person who witnessed spiking	ERT
Sulfamic Acid Reagent ID Number	494947
Sulfuric Acid Reagent ID Number	489045

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59132 Batch Start Date: 07/30/13 10:00 Batch Analyst: Pham, Vu T

Batch Method: Midi-Distillati Batch End Date: 07/30/13 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	SulfideCheck	NO3Screen	DigestBlockID	InitialAmount	DigestBlockPos	FinalAmount
MB 200-59132/1	PBSA4	Midi-Distillati, ISM01.3/CN				V1	1.00 g	15	50 mL
200-17642-A-2	TS003 (072413)	Midi-Distillati, ISM01.3/CN	T	NO	NO	V1	1.00 g	19	50 mL
200-17642-A-3	TS004 (072413)	Midi-Distillati, ISM01.3/CN	T	NO	NO	V1	1.01 g	20	50 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ColorBefore	ColorAfter	ClarityAfter	Texture		
MB 200-59132/1	PBSA4	Midi-Distillati, ISM01.3/CN							
200-17642-A-2	TS003 (072413)	Midi-Distillati, ISM01.3/CN	T	BROWN	COLORLESS	CLEAR	FINE		
200-17642-A-3	TS004 (072413)	Midi-Distillati, ISM01.3/CN	T	BROWN	COLORLESS	CLEAR	FINE		

Batch Notes	
Balance ID	M78711
Distillation Temperature	125 Degrees C
KI-Starch Paper Lot #	535436
Lead Acetate Lot #	535437
Magnesium Chloride Reagent ID Number	478924
Sodium Hypochlorite Reagent ID Number	496362
Person who witnessed spiking	ERT
Sulfamic Acid Reagent ID Number	494947
Sulfuric Acid Reagent ID Number	489044
ID number of the thermometer	V1

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59146 Batch Start Date: 07/30/13 14:59 Batch Analyst: Pham, Vu T

Batch Method: ISM01.3/CN Batch End Date: 07/30/13 15:23

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WCCNISM100ug/ 00043	WCCNISM10ug/L 00046	WCCNISM200ug/ 00044	WCCNISM400ug/ 00047	WCCNISM50ug/L 00044
IC 200-59131/1-A	S0	ISM01.3/CN		50 mL					
IC 200-59131/2-A	S10	ISM01.3/CN		50 mL		50 mL			
IC 200-59131/3-A	S50	ISM01.3/CN		50 mL					50 mL
IC 200-59131/4-A	S100	ISM01.3/CN		50 mL	50 mL				
IC 200-59131/5-A	S200	ISM01.3/CN		50 mL			50 mL		
IC 200-59131/6-A	S400	ISM01.3/CN		50 mL				50 mL	
ICV 200-59131/7-A	ICV	ISM01.3/CN		50 mL					
ICB 200-59131/8-A	ICB	ISM01.3/CN		50 mL					
CCV 200-59131/9-A	CCVB5	ISM01.3/CN		50 mL					
CCB 200-59131/10-A	CCBB5	ISM01.3/CN		50 mL					
MB 200-59132/1-A	PBSA4	ISM01.3/CN		50 mL					
200-17642-A-2-C	TS003 (072413)	ISM01.3/CN	T	50 mL					
200-17642-A-3-C	TS004 (072413)	ISM01.3/CN	T	50 mL					
CCV 200-59131/9-A	CCVB6	ISM01.3/CN		50 mL					
CCB 200-59131/10-A	CCBB6	ISM01.3/CN		50 mL					

Batch Notes	
Buffer Reagent ID Number	513925
Chloramine-T Reagent ID Number	537039
Sodium Hydroxide Reagent ID Number	496362
Pyridine-Barbituric Acid Reagent ID	535549

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

LABORATORY NAME TestAmerica Burlington
CITY/STATE 30 Community Drive Suite 11, South Burlington, Vermont
CASE NO. _____ SDG NO. 200-17642-1
SDG NOS. TO FOLLOW _____ _____ _____
MOD REF NO. _____
CONTRACT NO. _____
SOW NO. _____

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

	PAGE NOs		CHECK	
	FROM	TO	LAB	USEPA
1. **Inventory Sheet** (DC-2)(Do not number)			✓	
2. **SDG Case Narrative**	1	2	✓	
3. **SDG Cover Sheet/Traffic Report**	N/A	N/A		
4. **Trace Volatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1 and VOA-2)	N/A	N/A		
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA)(if requested by the USEPA region)	N/A	N/A		
Method Blank Summary (Form IV VOA)	N/A	N/A		
GC/MS Instrument Performance Check (Form V VOA)	N/A	N/A		
Internal Standard Area and RT Summary (Form VIII VOA)	N/A	N/A		
b. Sample Data	N/A	N/A		
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatagrams (RICs) for each sample				
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified				
Quantitation reports				
Mass specta of all reported TICs with three best library matches				
c. Standards Data (All Instruments)	N/A	N/A		
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
d. Raw/Quality (QC) Data				
BFB	N/A	N/A		
Blank Data	N/A	N/A		

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	N/A	N/A		
e. Trace SIM Data (Place at the end of the Trace Volatiles Section) [Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOA-SIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]	N/A	N/A		
5. **Low/Med Volatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1, VOA-2, VOA-3, VOA-4)	N/A	N/A		
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA-1 and VOA-2)(if requested by USEPA Region)	N/A	N/A		
Method Blank Summary (Form IV VOA)	7	8	✓	
GC/MS Instrument Performance Check (Form V VOA)	9	12	✓	
Internal Standard Area and RT Summary (Form VIII VOA)	13	14	✓	
b. Sample Data	N/A	N/A		
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatagrams (RICs) for each sample				
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified				
Quantitation reports				
Mass Spectra of all reported TICs with three best library matches				
c. Standards Data (All Instruments)	149	176	✓	
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			✓	
RICs and Quantitation Reports for all Standards			✓	
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)			✓	
RICs and Quantitation Reports for all Standards			✓	
d. Raw/Quality (QC) Data				
BFB	177	188	✓	
Blank Data	189	232	✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	N/A	N/A		
6. Semivolatiles Data				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II SV-1, SV-2, SV-3, SV-4)	233	234	✓	
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2)(if requested by USEPA region)	N/A	N/A		
Method Blank Summary (Form IV SV)	235	235	✓	
GC/MS Instrument Performance Check (Form V SV)	236	238	✓	
Internal Standard Area and RT Summary (Form VIII SV-1 AND SV-2)	239	242	✓	
b. Sample Data	243	350	✓	
TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)			✓	
Tentatively Identified Compounds (Form I SV-TIC)			✓	
Reconstructed total ion chromatagrams (RICs) for each sample			✓	
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified			✓	
Quantitation reports			✓	
Mass specta of TICs with three best library matches			✓	
GPC chromatograms (if GPC is required)			✓	
c. Standards Data (All Instruments)	351	418	✓	
Initial Calibration Data (Form VI SV-1, SV-2, SV-3)			✓	
RICs and Quantitation Reports for all Standards			✓	
Continuing Calibration Data (Form VII SV-1, SV-2, SV-3)			✓	
RICs and Quantitation Reports for all Standards			✓	
d. Raw (QC) Data				
DFTPP	419	430	✓	
Blank Data	431	441	✓	
MS/MSD Data (if requested by USEPA Region)	N/A	N/A		
e. Raw GPC Data	N/A	N/A		

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
f. Semivolatile SIM Data [Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III SV-SIM1 and SV-SIM2 (if required); Form IV SV-SIM; Form VI SV-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]	N/A	N/A		
7. Pesticides Data				
a. QC Summary				
Surrogate Recovery Summary (Form II PEST-1 and PEST-2)	442	442	✓	
Matrix Spike/Matrix Spike Duplicate Recovery (Summary Form III PEST-1 and PEST-2)	N/A	N/A		
Laboratory Control Sample Recovery (Form III PEST-3 and PEST-4)	443	457	✓	
Method Blank Summary (Form IV PEST)	444	444	✓	
b. Sample Data	445	512	✓	
TCL Results - Organics Analysis Data Sheet (Form I PEST)			✓	
Chromatograms (Primary Column)			✓	
Chromatagrams from second GC column confirmation			✓	
GC Integration report or data system printout			✓	
Manual work sheets			✓	
For pesticides by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			✓	
c. Standards Data	513	811	✓	
Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)			✓	
Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)			✓	
Analyte Resolution Summary (Form VI PEST-5, per column)			✓	
Performance Evaluation Mixture (Form VI PEST-6)			✓	
Individual Standard Mixture A (Form VI PEST-7)			✓	
Individual Standard Mixture B (Form VI PEST-8)			✓	
Individual Standard Mixture C (Form VI PEST-9 and PEST-10)			✓	
Calibration Verification Summary (Form VII PEST-1)			✓	
Calibration Verification Summary (Form VII PEST-2)			✓	
Calibration Verification Summary (Form VII PEST-3)			✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Calibration Verification Summary (Form VII PEST-4)			✓	
Analytical Sequence (Form VIII PEST)			✓	
Florisil Cartridge Check (Form IX PEST-1)			✓	
Pesticide GPC Calibration (Form IX PEST-2)			✓	
Identification Summary for Single Component Analytes (Form X PEST-1)			✓	
Identification Summary for Toxaphene (Form X PEST-2)			✓	
Chromatograms and data system printouts				
A printout of Retention Time and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data	812	821	✓	
Matrix Spike/Matrix Spike Duplicate Data	N/A	N/A		
Laboratory Control Sample Data	N/A	N/A		
e. Raw GPC Data	N/A	N/A		
f. Raw Florisil Data	N/A	N/A		
8. **Aroclor Data**				
a. QC Summary				
Surrogate Recovery Summary (Form II ARO-1 and ARO-2)	897	897	✓	
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)	N/A	N/A		
Laboratory Control Sample Recovery (Form III ARO-3 and ARO-4)	898	898	✓	
Method Blank Summary (Form IV ARO)	899	899	✓	
b. Sample Data	900	916	✓	
TCL Results - Organics Analysis Data Sheet (Form I ARO)			✓	
Chromatograms (Primary Column)			✓	
Chromatagrams from second GC column confirmation			✓	
GC Integration report or data system printout			✓	
Manual work sheets			✓	
For Aroclors by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			✓	
c. Standards Data	949	1275	✓	
Aroclors Initial Calibration (Form VI ARO-1, ARO-2, and ARO-3)			✓	

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Calibration Verification Summary (Form VII ARO-1)			✓	
Analytical Sequence (Form VIII ARO)			✓	
Identification Summary for Multicomponent Analytes (Form X ARO)			✓	
Chromatograms and data system printouts A printout of Retention Time and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data	1276	1298	✓	
Matrix Spike/Matrix Spike Duplicate Data	N/A	N/A		
Laboratory Control Sample (LCS) Data	1299	1310	✓	
e. Raw GPC Data	N/A	N/A		
9. **Miscellaneous Data**				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	1314	1324	✓	
Internal sample and sample extract transfer chain-of-custody records	N/A	N/A		
Screening records	N/A	N/A		
All instrument output, including strip charts from screening activities (describe or list)				
_____				
_____				
10. **EPA Shipping/Receiving Documents**				
Airbills (No. of shipments _____)	N/A	N/A		
Chain of Custody Records	N/A	N/A		
Sample Tags	N/A	N/A		
Sample Log-in Sheet (Lab & DC-1)	N/A	N/A		
Miscellaneous Shipping/Receiving Records (describe or list)				
_____				
_____				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. _____ SDG NO. 200-17642-1 SDG NOS. TO FOLLOW _____

_____ _____ MOD REF NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
11. **Internal Lab Sample Transfer Records and Tracking Sheets** (describe or list)				
12. **Other Records (describe or list)**				
Telephone Communication Log	N/A	N/A		

13. **Comments**

_____

_____

_____

Completed By: (CLP Lab)	(Signature)	(Printed Name/Title)	(Date)
Verified By: (CLP Lab)	(Signature)	(Printed Name/Title)	(Date)
Audited By: (USEPA)	(Signature)	(Printed Name/Title)	(Date)

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Atlantic Resources Corp

Report Number: 200-17642-1

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 07/24/2013 and 07/26/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4 ºC.

1,2,3-Trichlorobenzene, Methylene chloride and Toluene were detected in method blank MB 200-59289/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Vinyl chloride-d3 failed the surrogate recovery criteria low for MB 200-59289/5. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS

Samples TS003 (072413), TS004 (072413) and VHBLKLS were analyzed for Volatile Organic Compounds in accordance with EPA SOW SOM01.2. The samples were prepared on 07/26/2013 and analyzed on 07/30/2013.

Benzene-d6, 1,4-Dioxane-d8 and Benzene-d6 failed the surrogate recovery criteria high for TS003 (072413). Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS

Samples TB (072413) and VHBLK01 were analyzed for Volatile Organic Compounds in accordance with EPA SOW SOM01.2. The samples were analyzed on 07/31/2013.

Several analytes were detected in method blank MB 200-59290/10 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples TS003 (072413) and TS004 (072413) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SOW SOM01.2. The samples were prepared on 08/01/2013 and analyzed on 08/21/2013 and 08/22/2013.

Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate and Di-n-butylphthalate were detected in method blank MB 200-59243/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

4-Methylphenol-d8 failed the surrogate recovery criteria high for TS004 (072413). Pyrene-d10 failed the surrogate recovery criteria high for MB 200-59243/1-B. Refer to the QC report for details.

The closing continuing calibration verification (CCV) for analytical batch 60157 recovered outside control limits for 2,4-Dinitrophenol.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

AROCLORS
Samples TS003 (072413) and TS004 (072413) were analyzed for Aroclors in accordance with EPA SOW SOM01.2. The samples were prepared on 08/01/2013 and analyzed on 08/14/2013.

No difficulties were encountered during the Aroclors analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES
Samples TS003 (072413) and TS004 (072413) were analyzed for chlorinated pesticides in accordance with EPA SOW SOM01.2. The samples were prepared on 08/01/2013 and analyzed on 08/28/2013.

Aldrin, Endosulfan II, Endrin and Heptachlor were detected in method blank MB 200-59240/1-D at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKNI	84	106	93	106	109	107	118
02	TB (072413)	84	109	95	110	110	110	117
03	VHBLK01	85	105	93	110	110	111	117

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(65-131)
VDMC2	(CLA) = Chloroethane-d5	(71-131)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT) = 2-Butanone-d5	(49-155)
VDMC5	(CLF) = Chloroform-d	(78-121)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKNI	97	111	117	106	99	111	119	0
02	TB (072413)	95	112	118	109	105	113	124	0
03	VHBLK01	99	111	117	110	103	112	123	0

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9	(TOL) = Toluene-d8	(77-121)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11	(HEX) = 2-Hexanone-d5	(28-135)
VDMC12	(DXE) = 1,4-Dioxane-d8	(50-150)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKNH	66 *	86	80	124	99	100	103
02	TS003 (072413)	74	97	88	102	106	104	127 *
03	TS004 (072413)	76	99	90	110	111	110	118
04	TS003 (072413)RE	82	107	96	95	116	117	130 *
05	VHBLKLS	70	92	83	110	105	107	106

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(68-122)
VDMC2	(CLA) = Chloroethane-d5	(61-130)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(45-132)
VDMC4	(BUT) = 2-Butanone-d5	(20-182)
VDMC5	(CLF) = Chloroform-d	(72-123)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(79-122)
VDMC7	(BEN) = Benzene-d6	(80-121)

\# Column to be used to flag recovery values

* Values outside of contract required QC limits

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKNH	94	101	106	120	117	104	95	1
02	TS003 (072413)	116	118	115	113	116	92	92	1
03	TS004 (072413)	108	112	108	111	138	97	93	0
04	TS003 (072413)RE	122	120	110	94	161 *	94	95	2
05	VHBLKLS	99	105	106	111	108	106	99	0

		QC LIMITS
VDMC8 (DPA)	= 1,2-Dichloropropane-d6	(74-124)
VDMC9 (TOL)	= Toluene-d8	(78-121)
VDMC10 (TDP)	= trans-1,3-Dichloropropene-d4	(72-130)
VDMC11 (HEX)	= 2-Hexanone-d5	(17-184)
VDMC12 (DXE)	= 1,4-Dioxane-d8	(50-150)
VDMC13 (TCA)	= 1,1,2,2-Tetrachloroethane-d2	(56-161)
VDMC14 (DCZ)	= 1,2-Dichlorobenzene-d4	(70-131)

\# Column to be used to flag recovery values

* Values outside of contract required QC limits

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKNH

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File ID: NIDA05.D Lab Sample ID: MB 200-59289/5

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 07/30/2013

Level: (TRACE or LOW/MED) LOW Time Analyzed: 1257

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TS003 (072413)	200-17642-2	NIDA07.D	1409
02	TS004 (072413)	200-17642-3	NIDA08.D	1438
03	TS003 (072413)RE	200-17642-2	NIDA10.D	1535
04	VHBLKLS	200-17642-7	NIDA12.D	1631

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKNI

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File ID: NHYW04.D Lab Sample ID: MB 200-59290/10

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 07/31/2013

Level: (TRACE or LOW/MED) LOW Time Analyzed: 1134

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TB (072413)	200-17642-4	NHYW06.D	1230
02	VHBLK01	200-17642-8	NHYW07.D	1258

COMMENTS:

5A - FORM V VOA
VOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBNA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: NHY01.D BFB Injection Date: 05/06/2013

Instrument Id: N.i BFB Injection Time: 1120

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 80.0% of mass 95	41.3
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120% of mass 95	66.3
175	5.0 - 9.0% of mass 174	4.9 (7.4)1
176	95.0 - 101% of mass 174	65.7 (99.2)1
177	5.0 - 9.0% of mass 176	4.2 (6.4)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005NA	IC 200-55207/3	NHY03.D	05/06/2013	1157
02	VSTD010NA	IC 200-55207/4	NHY04.D	05/06/2013	1225
03	VSTD050NA	ICIS 200-55207/5	NHY05.D	05/06/2013	1254
04	VSTD100NA	IC 200-55207/6	NHY06.D	05/06/2013	1322
05	VSTD200NA	IC 200-55207/7	NHY07.D	05/06/2013	1350

5A - FORM V VOA
VOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBNG

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: NID01.D BFB Injection Date: 07/29/2013

Instrument Id: N.i BFB Injection Time: 2240

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 80.0% of mass 95	42.0
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120% of mass 95	62.9
175	5.0 - 9.0% of mass 174	4.7 (7.5)1
176	95.0 - 101% of mass 174	61.1 (97.2)1
177	5.0 - 9.0% of mass 176	4.1 (6.6)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD2.5NG	IC 200-59123/4	NID04.D	07/29/2013	2357
02	VSTD005NG	IC 200-59123/5	NID05.D	07/30/2013	0026
03	VSTD025NG	ICIS 200-59123/6	NID06.D	07/30/2013	0054
04	VSTD050NG	IC 200-59123/7	NID07.D	07/30/2013	0122
05	VSTD100NG	IC 200-59123/8	NID08.D	07/30/2013	0151

5A - FORM V VOA
VOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBNH

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: NIDA01.D BFB Injection Date: 07/30/2013

Instrument Id: N.i BFB Injection Time: 1051

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 80.0% of mass 95	44.5
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120% of mass 95	63.6
175	5.0 - 9.0% of mass 174	4.4 (7.0)1
176	95.0 - 101% of mass 174	63.7 (100)1
177	5.0 - 9.0% of mass 176	4.1 (6.4)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD025NH	CCVIS 200-59289/2	NIDA02.D	07/30/2013	1118
02	VBLKNH	MB 200-59289/5	NIDA05.D	07/30/2013	1257
03	TS003 (072413)	200-17642-2	NIDA07.D	07/30/2013	1409
04	TS004 (072413)	200-17642-3	NIDA08.D	07/30/2013	1438
05	TS003 (072413)RE	200-17642-2	NIDA10.D	07/30/2013	1535
06	VHBLKLS	200-17642-7	NIDA12.D	07/30/2013	1631
07	VSTD025HN	CCVC 200-59289/14	NIDA14.D	07/30/2013	1728

5A - FORM V VOA
VOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFBNI

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: NHYW01.D BFB Injection Date: 07/31/2013

Instrument Id: N.i BFB Injection Time: 0917

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 80.0% of mass 95	43.2
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120% of mass 95	62.9
175	5.0 - 9.0% of mass 174	4.5 (7.2)1
176	95.0 - 101% of mass 174	63.1 (100)1
177	5.0 - 9.0% of mass 176	4.1 (6.4)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050NI	CCVIS 200-59290/3	NHYW03.D	07/31/2013	1012
02	VBLKNI	MB 200-59290/10	NHYW04.D	07/31/2013	1134
03	TB (072413)	200-17642-4	NHYW06.D	07/31/2013	1230
04	VHBLK01	200-17642-8	NHYW07.D	07/31/2013	1258
05	VSTD050IN	CCVC 200-59290/8	NHYW08.D	07/31/2013	1356

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD#####): VSTD025NH Date Analyzed: 07/30/2013

Lab File ID (Standard): NIDA02.D Time Analyzed: 1118

Instrument ID: N.i Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	2459915		12.68		2935288		8.99		1268484		15.47	
	UPPER LIMIT	4919830		13.18		5870576		9.49		2536968		15.97	
	LOWER LIMIT	1229958		12.18		1467644		8.49		634242		14.97	
	EPA SAMPLE NO.												
01	VBLKNH	2382089		12.69		2814451		9.00		1244108		15.48	
02	TS003 (072413)	1729648		12.68		2421935		9.01		567782	*	15.47	
03	TS004 (072413)	1921771		12.68		2367115		9.00		709181		15.47	
04	TS003 (072413)RE	1631504		12.68		2158262		8.99		493244	*	15.47	
05	VHBLKLS	2247802		12.67		2630738		8.99		1080892		15.47	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD#####): VSTD050NI Date Analyzed: 07/31/2013

Lab File ID (Standard): NHYW03.D Time Analyzed: 1012

Instrument ID: N.i Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	2299232		12.65		2108963		8.94		1226342		15.46	
	UPPER LIMIT	4598464		13.15		4217926		9.44		2452684		15.96	
	LOWER LIMIT	1149616		12.15		1054482		8.44		613171		14.96	
	EPA SAMPLE NO.												
01	VBLKNI	2273892		12.65		2095223		8.95		1233550		15.46	
02	TB (072413)	2256885		12.66		2045690		8.95		1196084		15.46	
03	VHBLK01	2268904		12.66		2060222		8.96		1193571		15.46	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

EPA SAMPLE NO.
TB (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-4

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW06.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	0.20	J B
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	0.44	J B
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA SAMPLE NO.
TB (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-4

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW06.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.29	J B
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	0.24	J B
87-61-6	1,2,3-Trichlorobenzene	0.28	J B

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TB (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-4

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW06.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

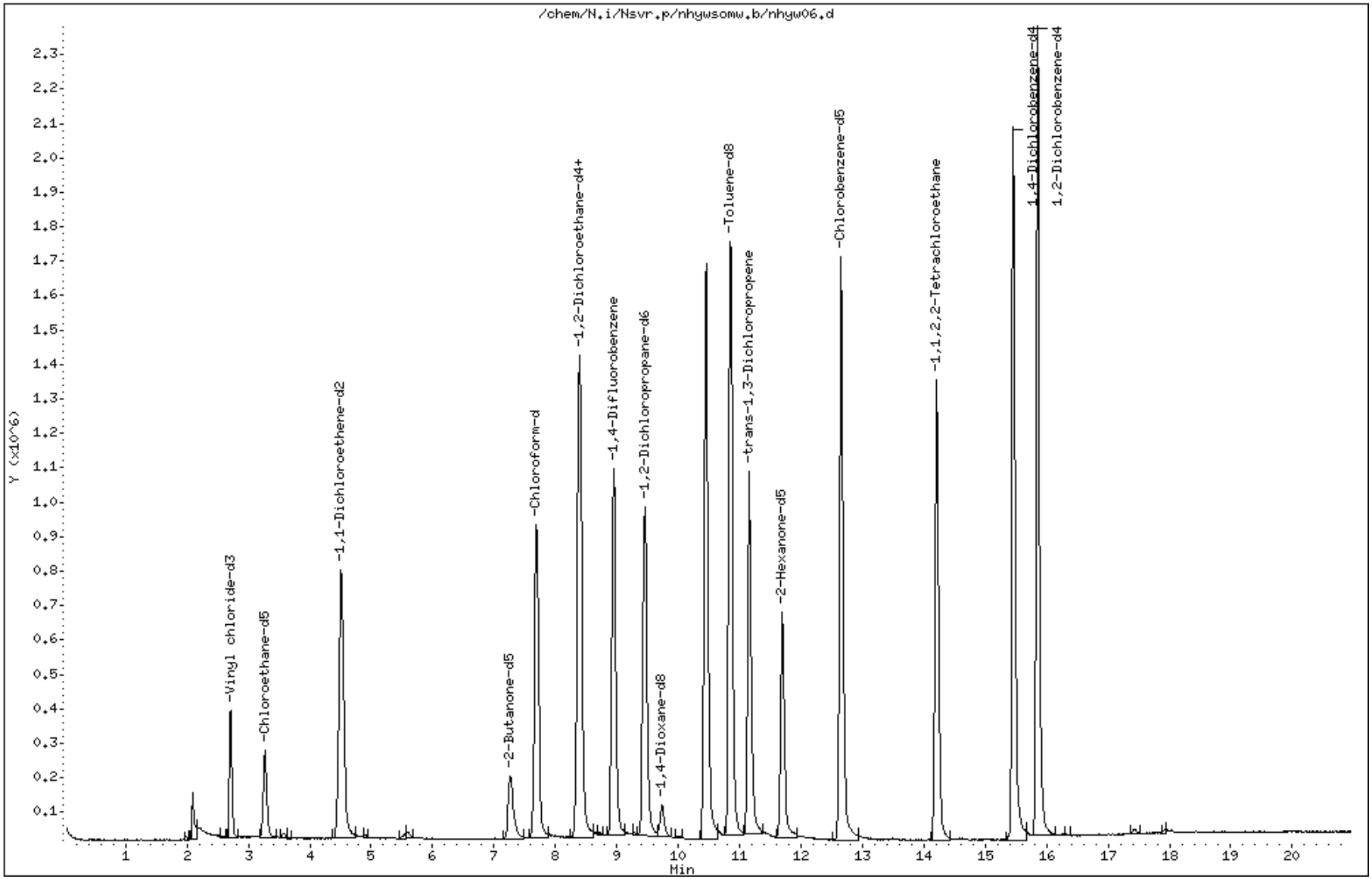
CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.45	76	B X J
02	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw06.d
Date : 31-JUL-2013 12:30
Client ID: TB (072413)
Sample Info: 200-17642-B-4
Purge Volume: 5.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-4
Client Smp ID: TB (072413)
Inj Date : 31-JUL-2013 12:30
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-4
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	2.565	2.589	(0.287)	2868	0.99265	0.20(a)
$	3 Vinyl chloride-d3	65	2.713	2.727	(0.303)	643479	211.217	42
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.266	3.290	(0.365)	625867	272.580	55
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.510	4.544	(0.504)	1648574	236.290	47
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	4.895	4.929	(0.547)	21349	2.21518	0.44(a)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.265	7.299	(0.811)	597851	550.991	110
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.689	7.733	(0.859)	1839436	275.890	55(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.371	8.414	(0.935)	771736	274.324	55
$	29 Benzene-d6	84	8.400	8.444	(0.664)	2403751	293.266	59
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.953	8.997	(1.000)	2045690	250.000	
	33 Trichloroethene	95	9.299	9.332	(0.735)	4918	1.42639	0.29(aQ)
$	34 1,2-Dichloropropane-d6	67	9.457	9.510	(0.747)	1194034	237.724	48
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.733	9.796	(1.087)	158291	5225.31	1000
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.849	10.902	(0.857)	2805610	279.996	56
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.155	11.208	(0.881)	1566533	293.768	59
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.698	11.751	(0.924)	669443	544.825	110
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.655	12.709	(1.000)	2256885	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.205	14.269	(1.122)	1908060	281.414	56
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.459	15.513	(1.000)	1196084	250.000	(QH)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	65 1,2-Dichlorobenzene-d4	152	15.854	15.918	(1.026)	1300040	308.967	62
	66 1,2-Dichlorobenzene	146	Compound Not Detected.					
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
68 1,2,4-Trichlorobenzene	180	17.444	17.487	(1.128)	5642	1.19837	0.24(a)
69 1,2,3-Trichlorobenzene	180	17.937	17.991	(1.160)	6033	1.41081	0.28(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-4
Client Smp ID: TB (072413)
Inj Date : 31-JUL-2013 12:30
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-4
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.953	4810781	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.454	7331614	380.999119	76	0		0	32

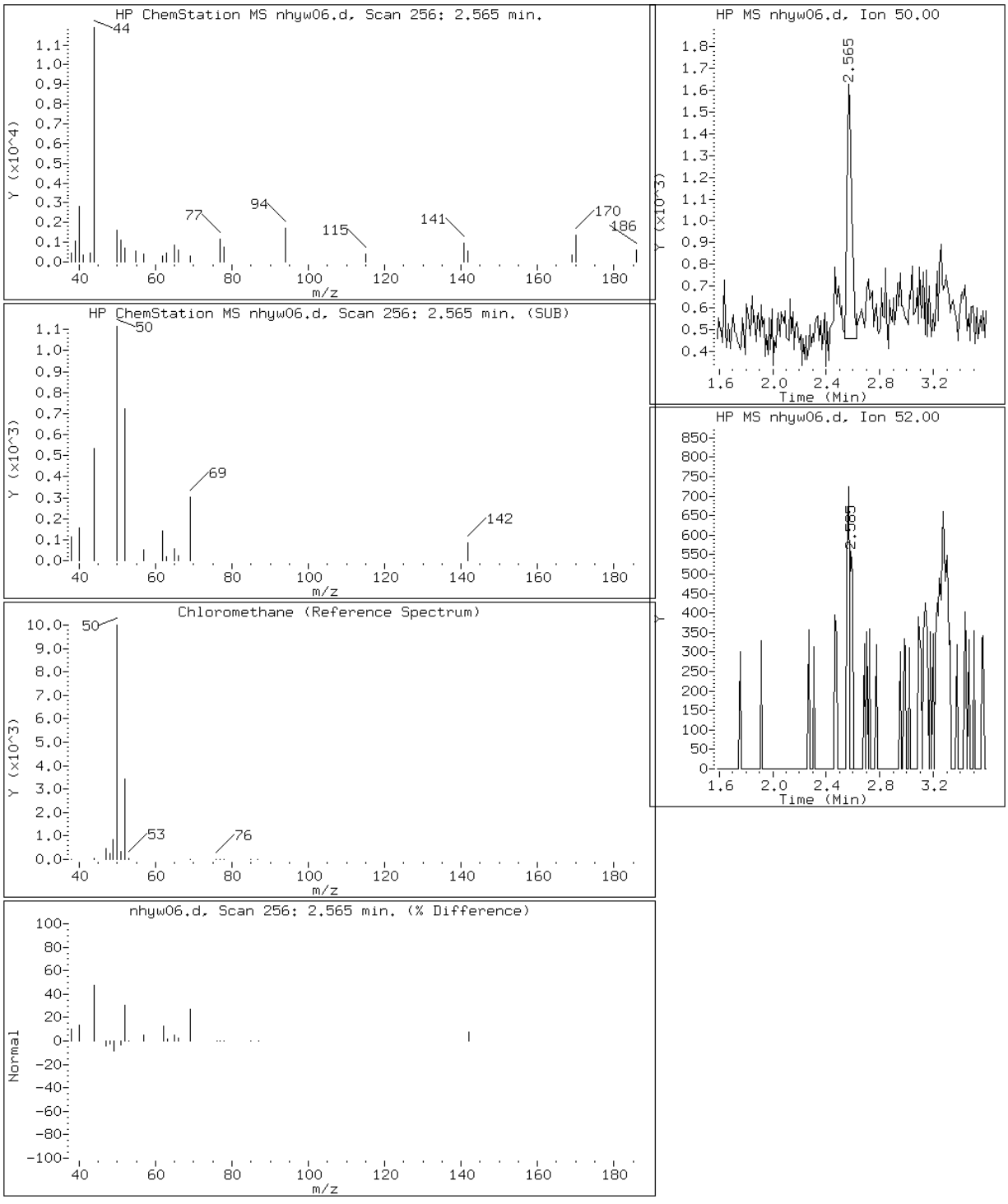
Data File: nhyw06.d

Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30

Client ID: TB (072413) Instrument: N.i

Sample Info: 200-17642-B-4 Operator: jpd

2 Chloromethane



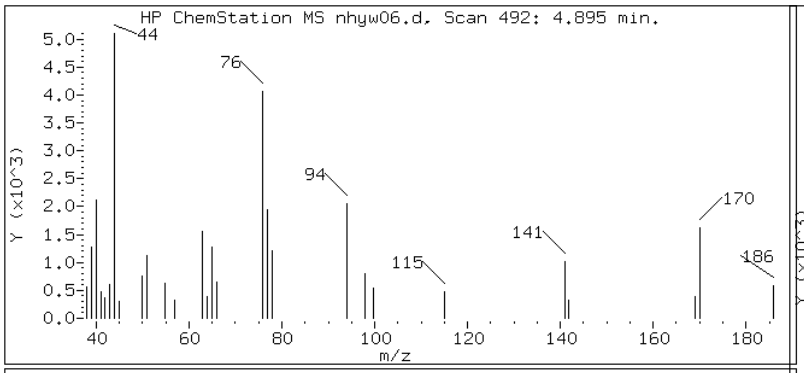
Data File: nhyw06.d

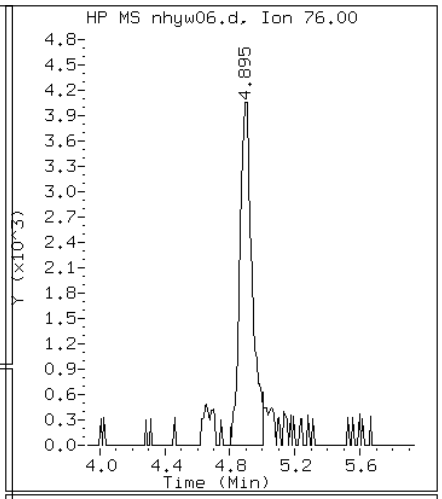
Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30

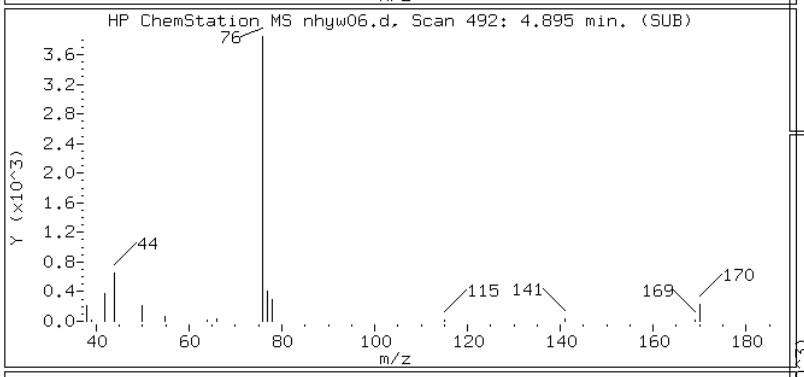
Client ID: TB (072413) Instrument: N.i

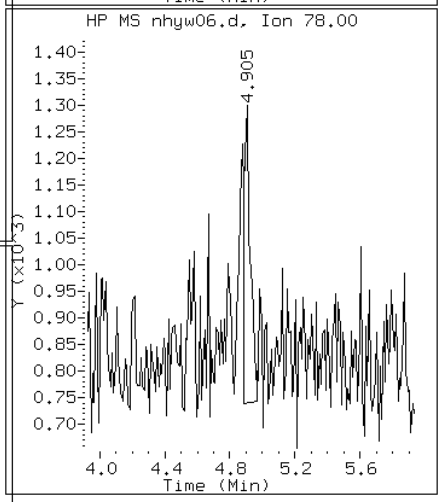
Sample Info: 200-17642-B-4 Operator: jpd

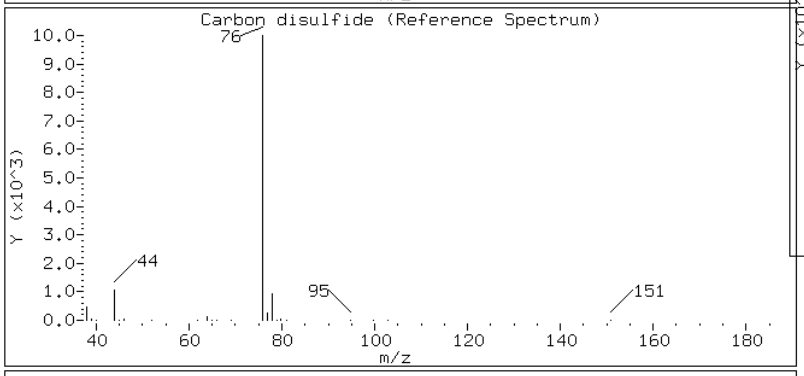
13 Carbon disulfide

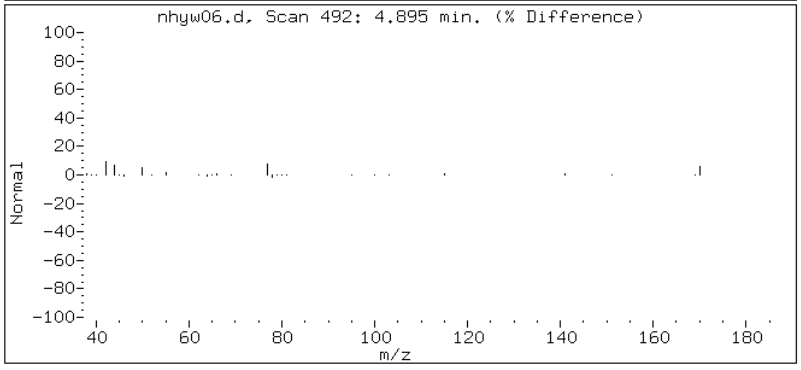












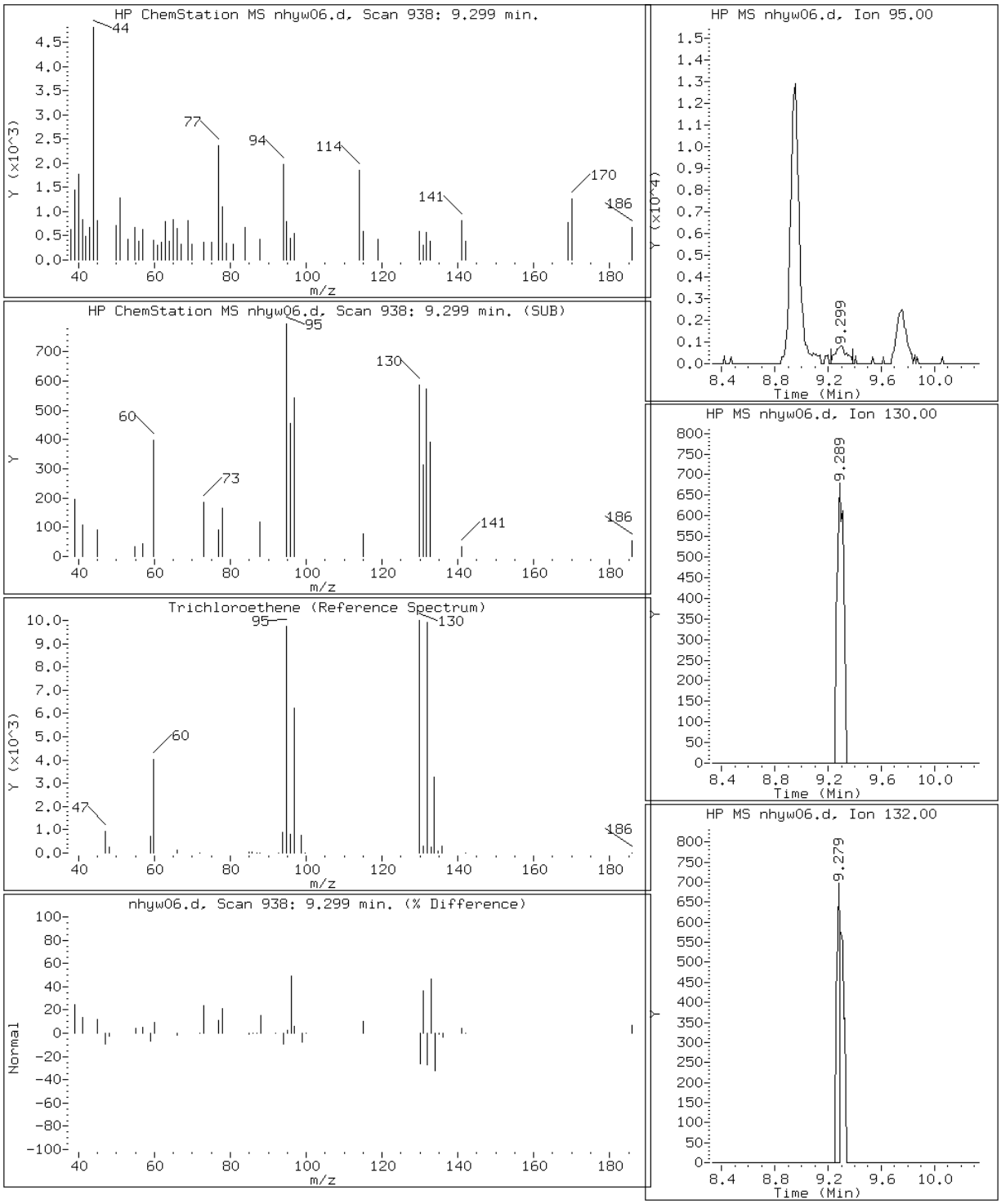
Data File: nhyw06.d

Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30

Client ID: TB (072413) Instrument: N.i

Sample Info: 200-17642-B-4 Operator: jpd

33 Trichloroethene



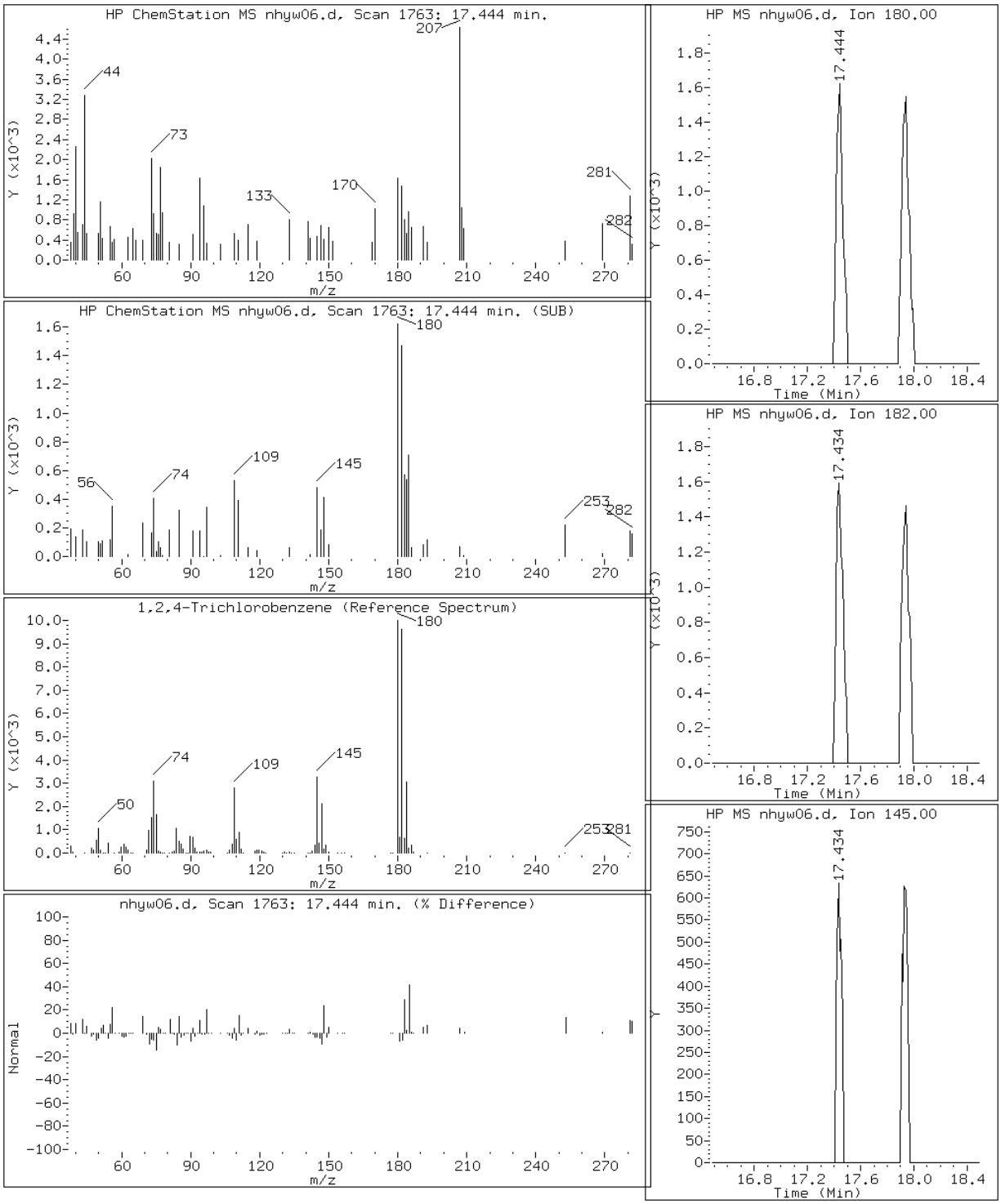
Data File: nhyw06.d

Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30

Client ID: TB (072413) Instrument: N.i

Sample Info: 200-17642-B-4 Operator: jpd

68 1,2,4-Trichlorobenzene



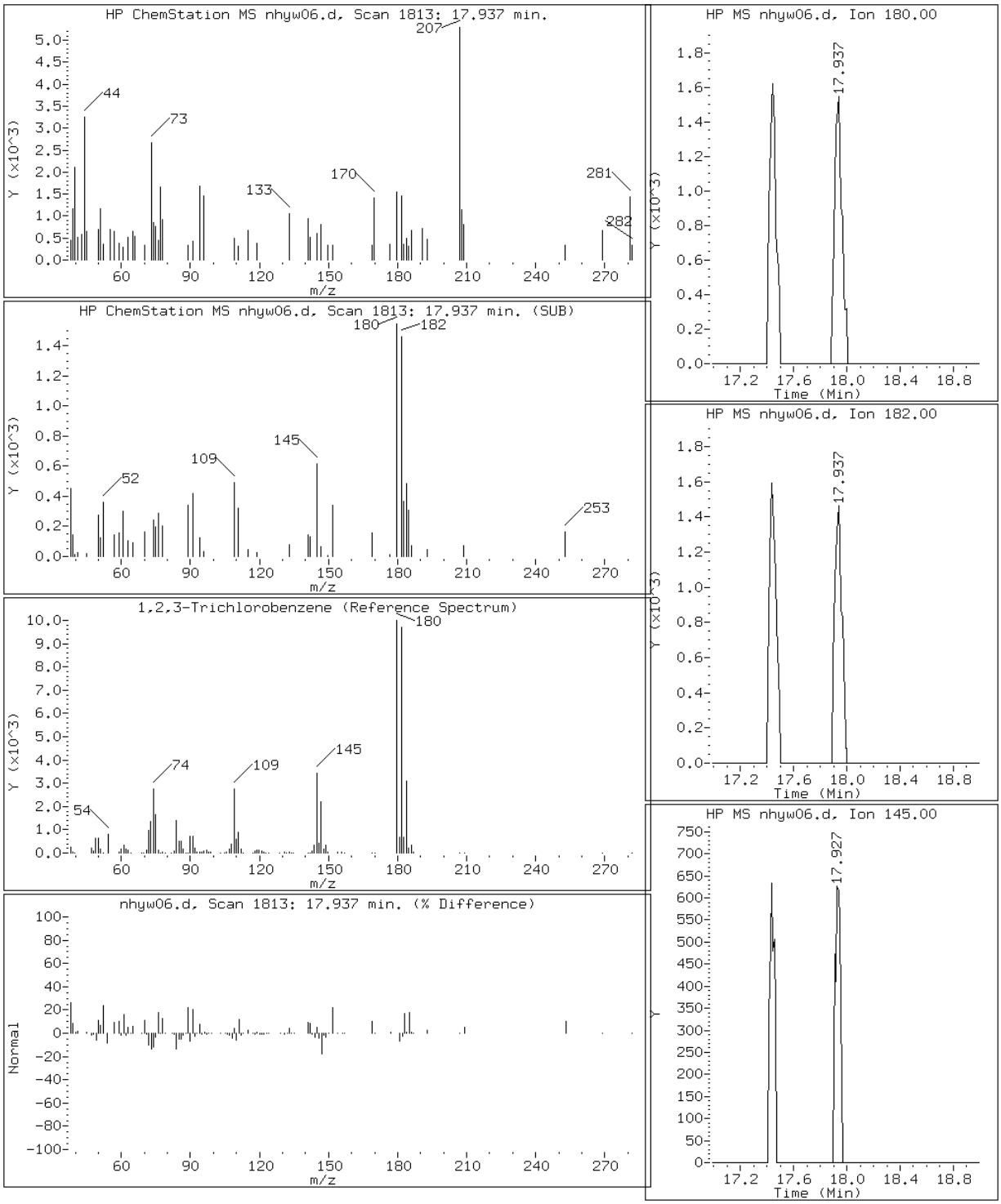
Data File: nhyw06.d

Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30

Client ID: TB (072413) Instrument: N.i

Sample Info: 200-17642-B-4 Operator: jpd

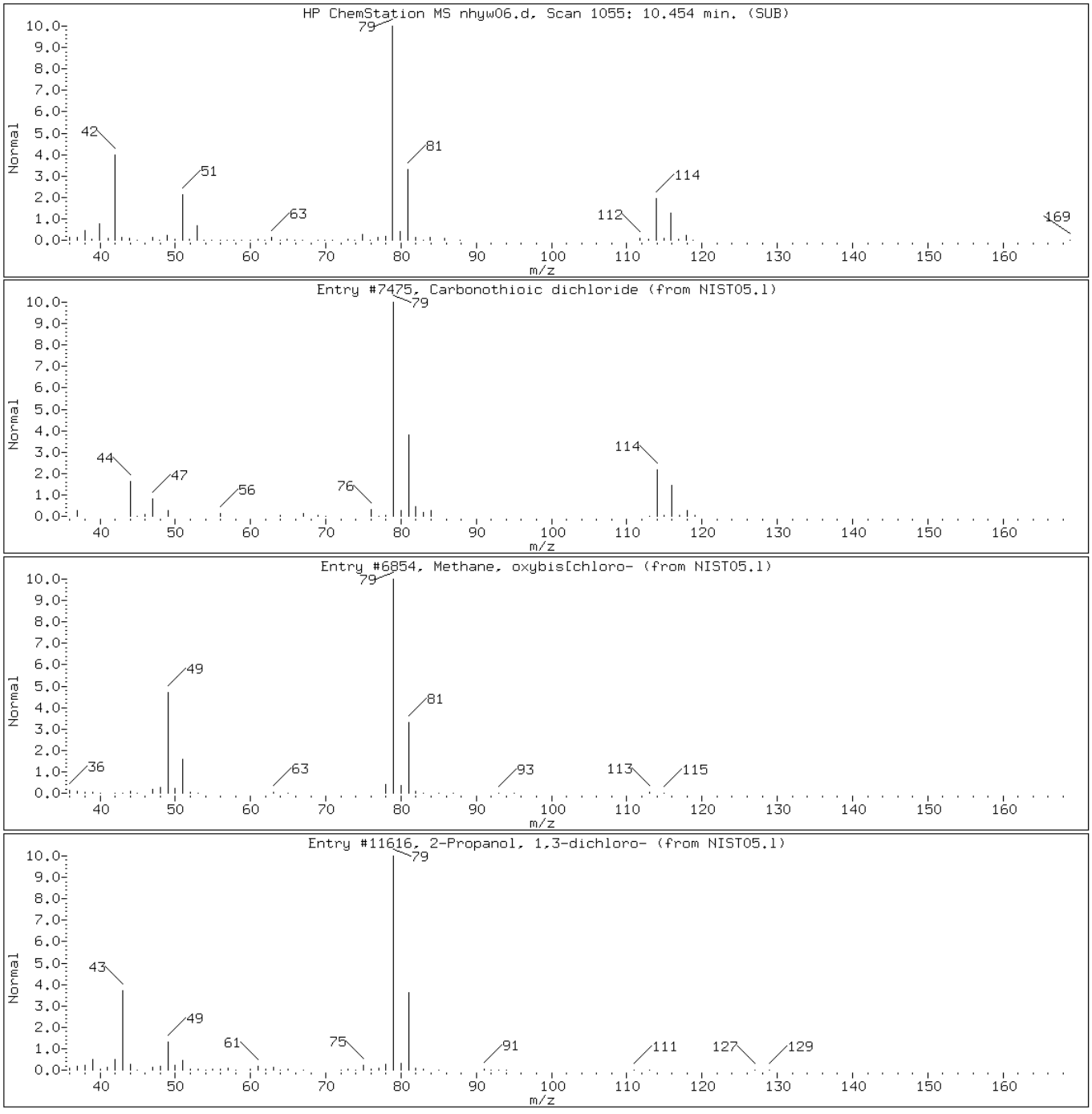
69 1,2,3-Trichlorobenzene



Data File: nhyw06.d
Lab Sample ID: 200-17642-4 Date: 31-JUL-2013 12:30
Client ID: TB (072413) Instrument: N.i
Sample Info: 200-17642-B-4 Operator: jpd

Retention Time: 10.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	37	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128



EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 5.69 (g/mL) g Lab File ID: NIDA07.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 18 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U
67-64-1	Acetone	2.5	J
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U
75-09-2	Methylene chloride	2.8	J B
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 5.69 (g/mL) g Lab File ID: NIDA07.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 18 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.4	U
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	0.29	J B
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
95-47-6	o-Xylene	5.4	U
179601-23-1	m,p-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	0.37	J B

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 5.69 (g/mL) g Lab File ID: NIDA07.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 18 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

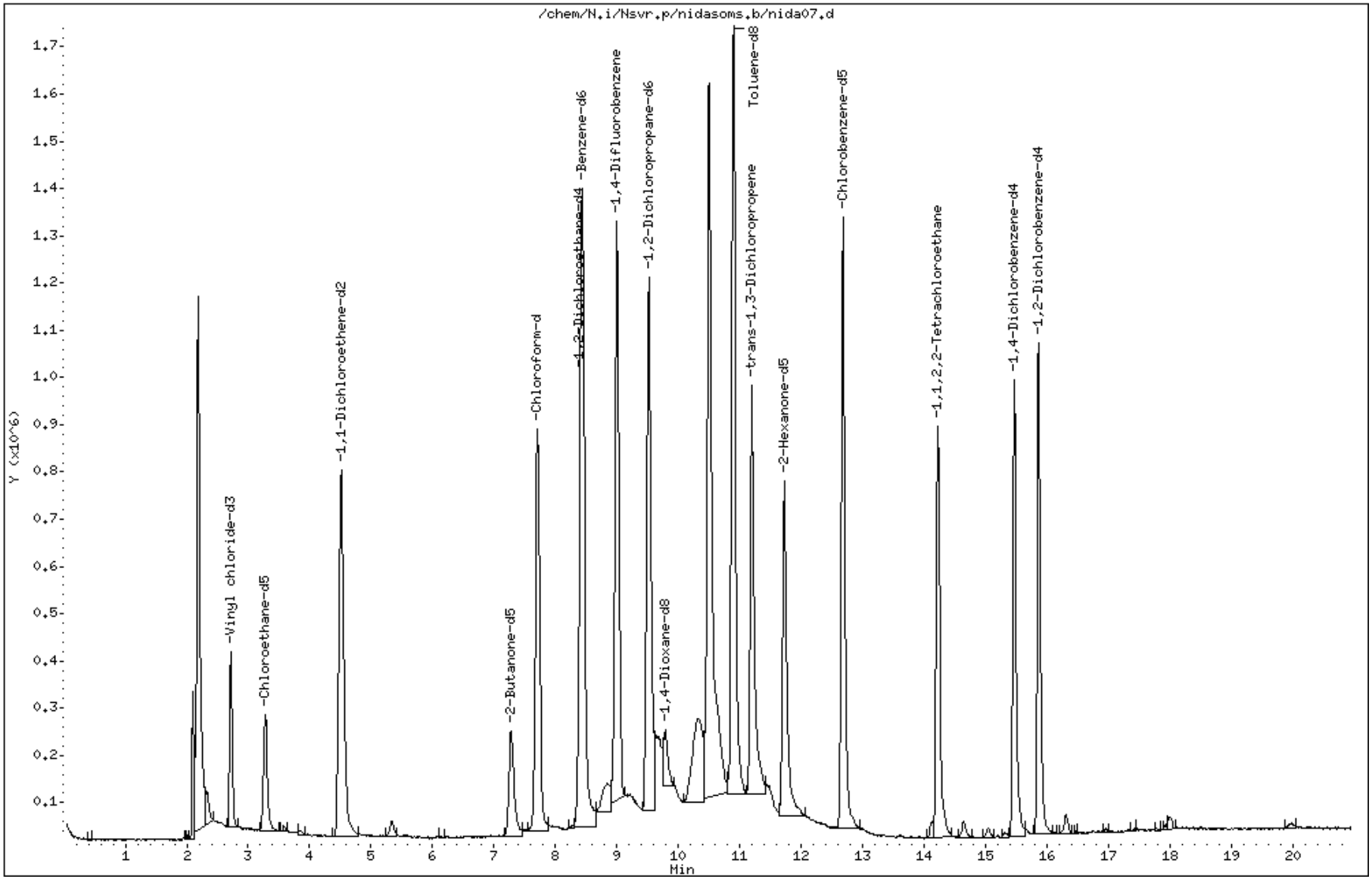
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	8.84	5.5	J
02		Unknown	10.32	21	J
03		Unknown	10.51	83	B X J
04	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida07.d
Date : 30-JUL-2013 14:09
Client ID: TS003 (072413)
Sample Info: 200-17642-B-2-A
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 30-JUL-2013 14:09
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-2-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.718	2.712	(0.302)	666857	184.630	18
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.281	3.255	(0.364)	629119	241.703	24
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.515	4.509	(0.501)	1672961	218.962	22
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	4.663	4.648	(0.518)	9825	11.5086	1.2(aM)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					
15	Methylene chloride	84	5.344	5.319	(0.593)	42111	13.1825	1.3(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.269	7.254	(0.807)	699314	508.915	51
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.714	7.698	(0.856)	1792380	264.370	26(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.405	8.399	(0.933)	684249	260.627	26
$	29 Benzene-d6	84	8.444	8.429	(0.666)	2360055	318.043	32(R)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.007	9.001	(1.000)	2421935	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.520	9.515	(0.751)	1413630	289.030	29
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.797	9.791	(1.088)	163142	5791.02	580
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.903	10.897	(0.860)	2551578	296.084	30
	43 Toluene	91	10.991	10.976	(0.867)	11983	1.33732	0.13(aQ)
$	44 trans-1,3-Dichloropropene-d4	79	11.199	11.193	(0.883)	1217497	286.805	29
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.722	11.716	(0.924)	679861	564.334	56
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.680	12.674	(1.000)	1729648	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.230	14.214	(1.122)	1220902	228.881	23
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.474	15.468	(1.000)	567782	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 65 1,2-Dichlorobenzene-d4	152	15.869	15.863	(1.026)	581995	230.860	23
66 1,2-Dichlorobenzene	146	Compound Not Detected.					
67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.942	17.917	(1.159)	3806	1.73000	0.17(aQ)
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 30-JUL-2013 14:09
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-2-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.007	5509342	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.839	561376	25.4738347	2.5	0		0	32
Unknown				CAS #:			
10.320	2177407	98.8052161	9.9	0		0	32
Unknown				CAS #:			
10.508	8475040	384.575849	38	0		0	32

Manual Integration Report

Data File: nida07.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 30-JUL-2013 14:09
Instrument ID: N.i
Client ID: TS003 (072413)
Compound: 12 Acetone
CAS #: 67-64-1
Report Date: 08/06/2013

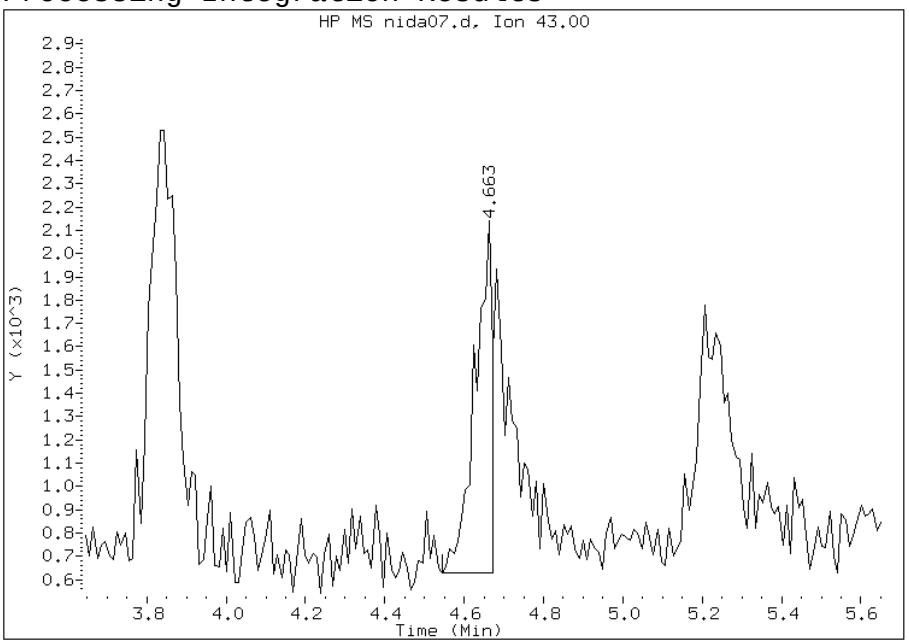
Processing Integration Results

RT: 4.66

Response: 4647

Amount: 5.44

Conc: 0.544329



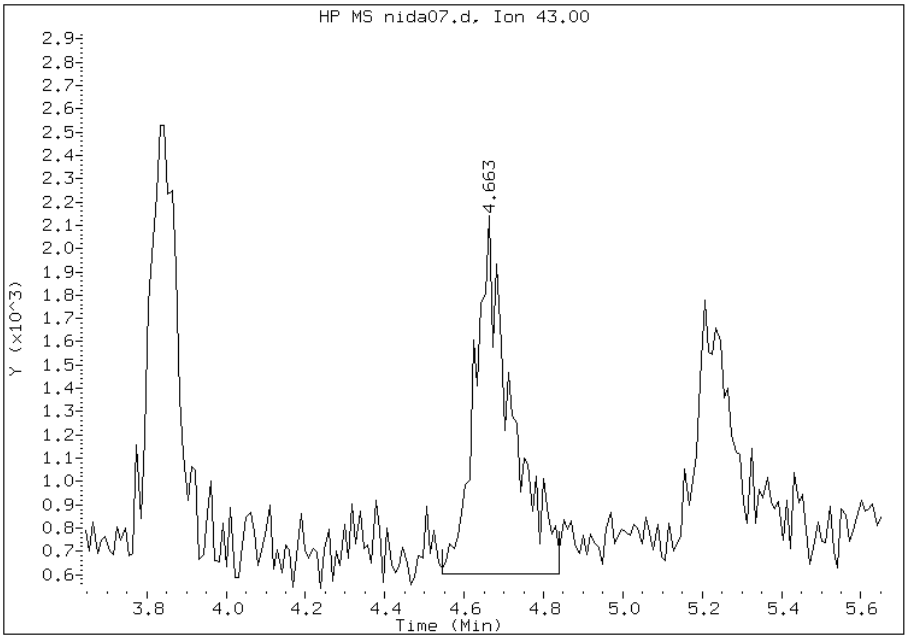
Manual Integration Results

RT: 4.66

Response: 9825

Amount: 11.51

Conc: 1.15



File Uploaded By: mtp
Manual Integration Reason: Poor chromatography

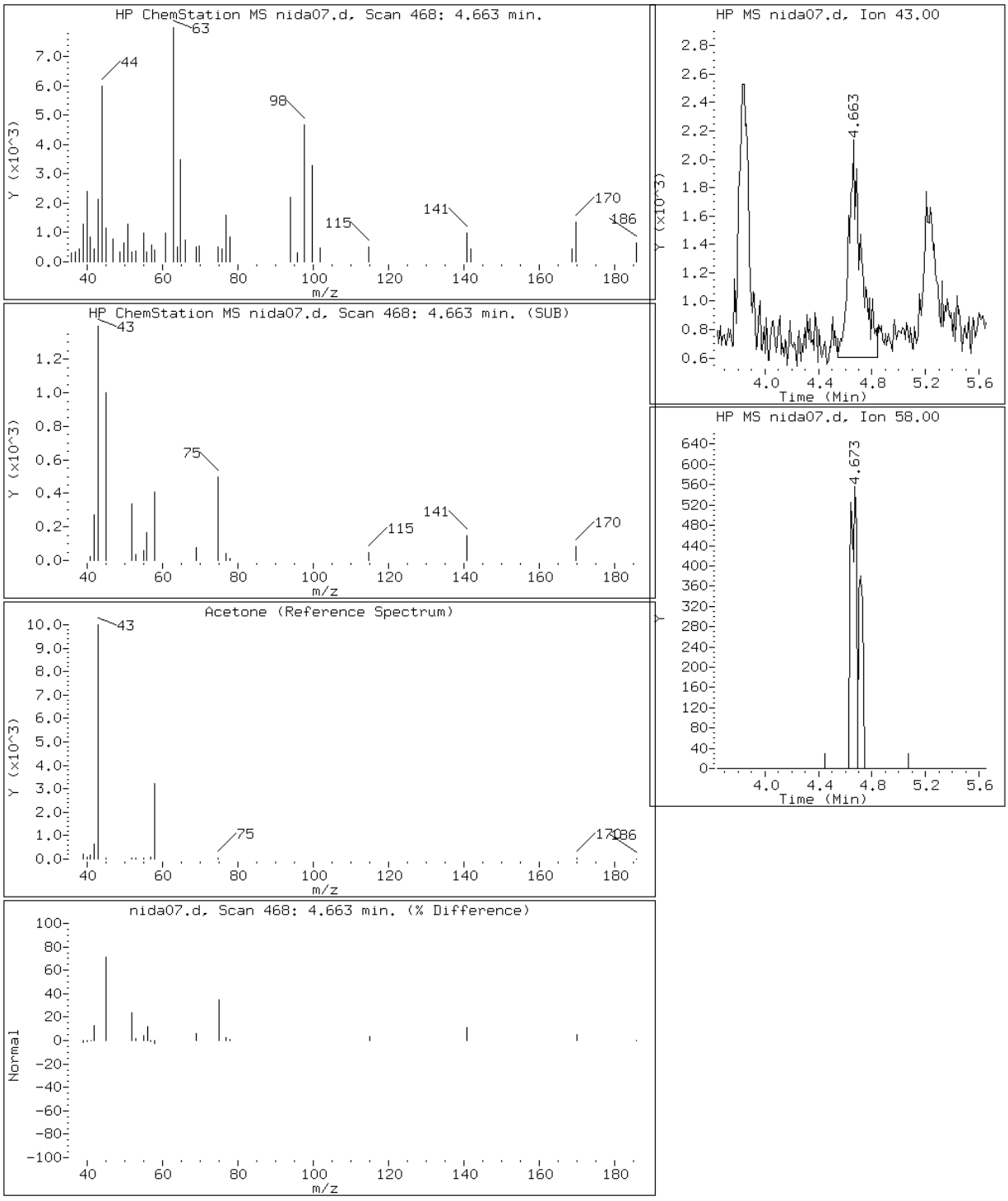
Data File: nida07.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09

Client ID: TS003 (072413) Instrument: N.i

Sample Info: 200-17642-B-2-A Operator: jpd

12 Acetone



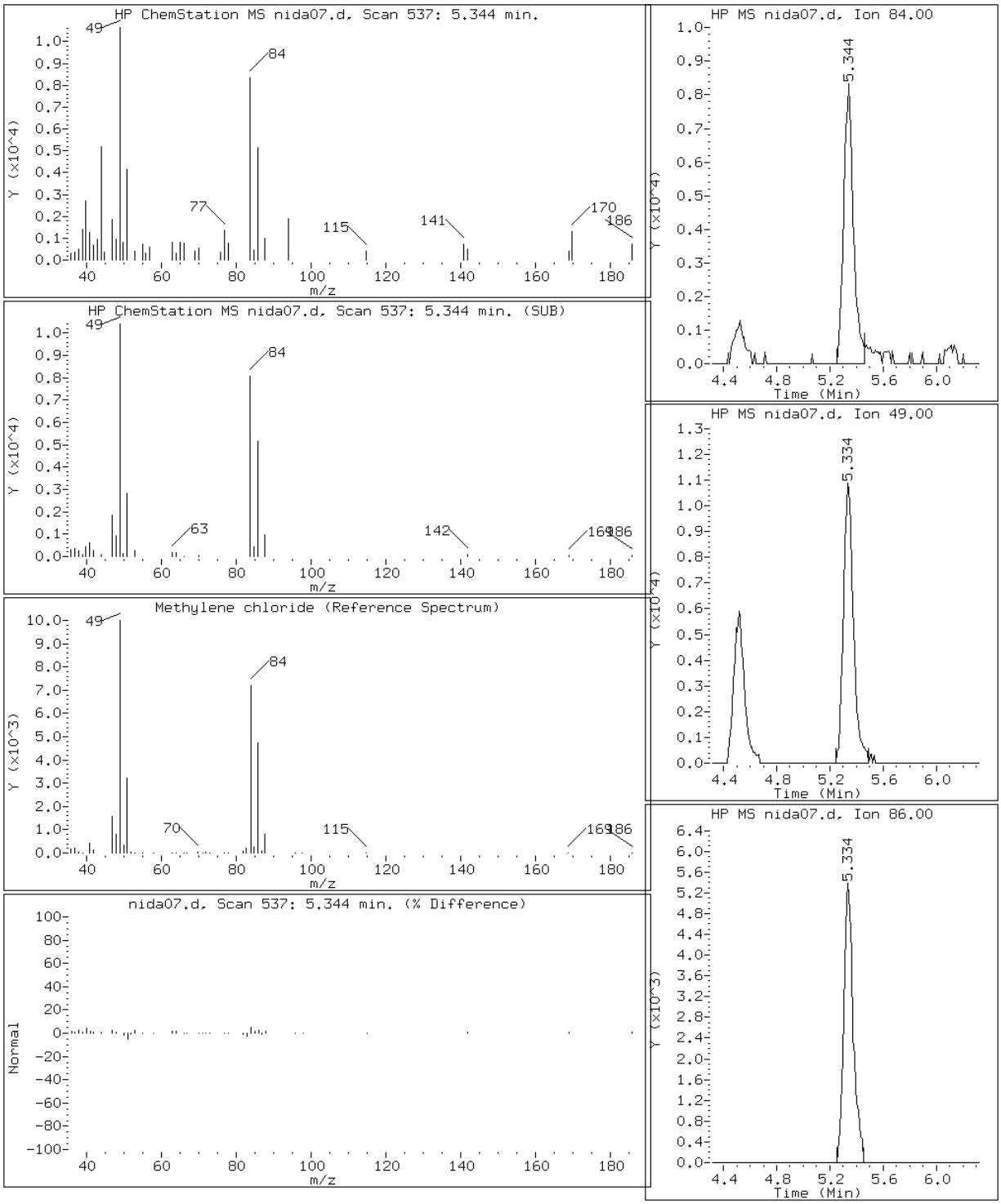
Data File: nida07.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09

Client ID: TS003 (072413) Instrument: N.i

Sample Info: 200-17642-B-2-A Operator: jpd

15 Methylene chloride



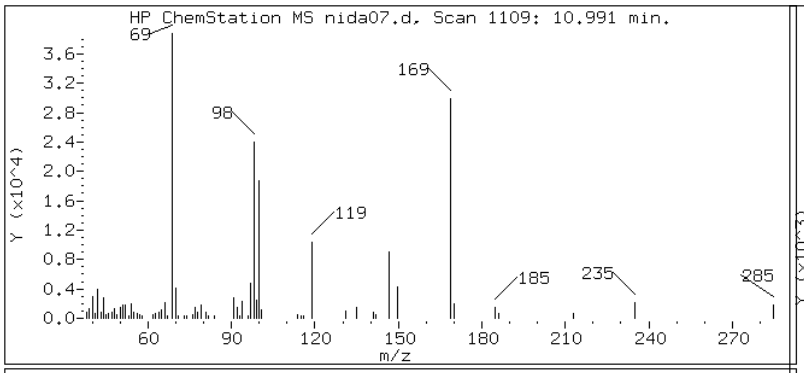
Data File: nida07.d

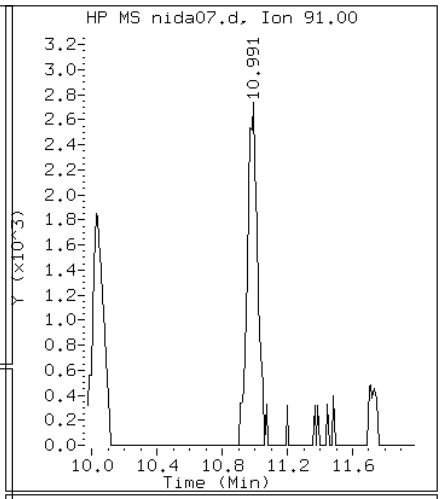
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09

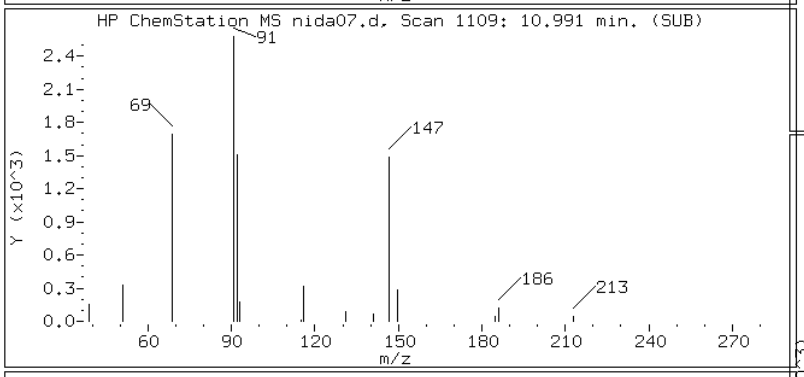
Client ID: TS003 (072413) Instrument: N.i

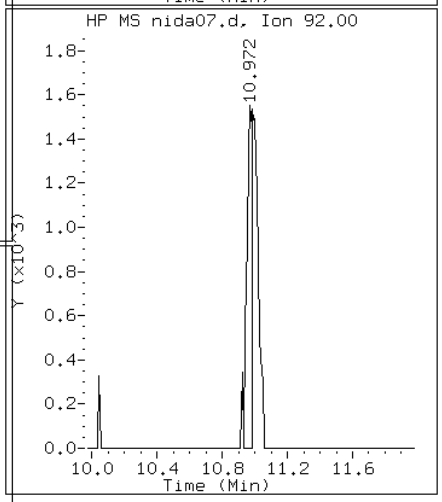
Sample Info: 200-17642-B-2-A Operator: jpd

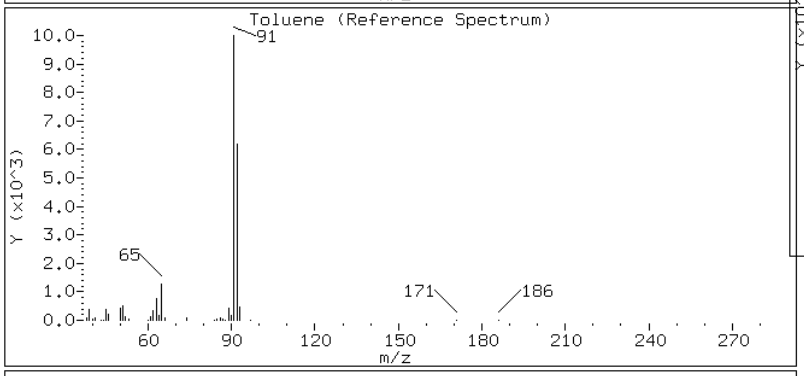
43 Toluene

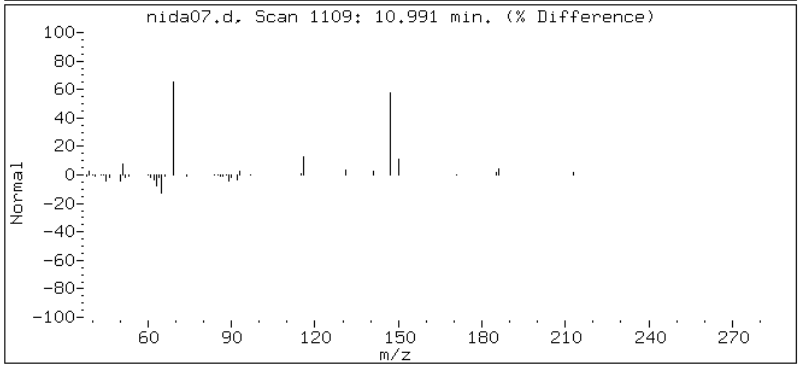












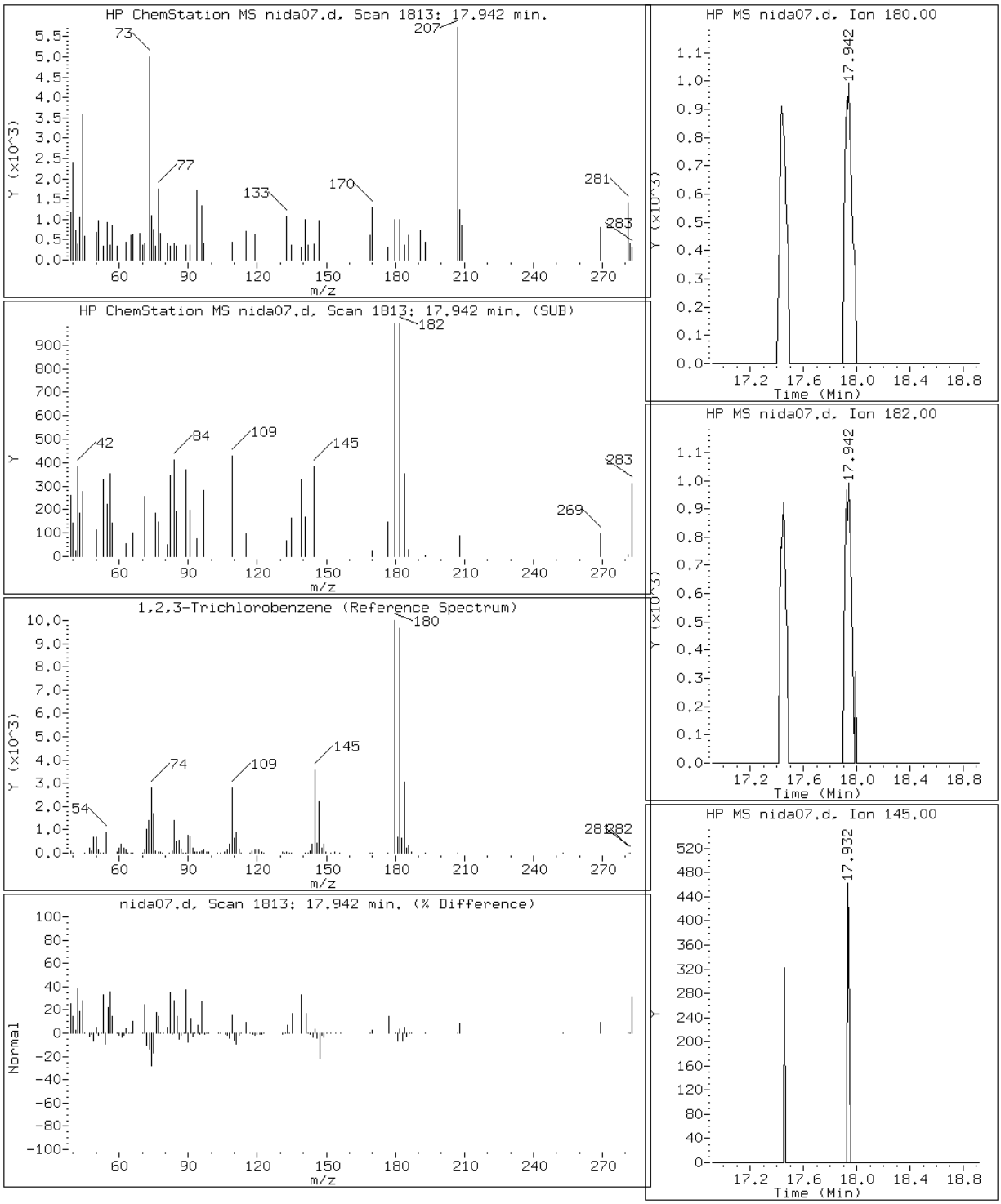
Data File: nida07.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09

Client ID: TS003 (072413) Instrument: N.i

Sample Info: 200-17642-B-2-A Operator: jpd

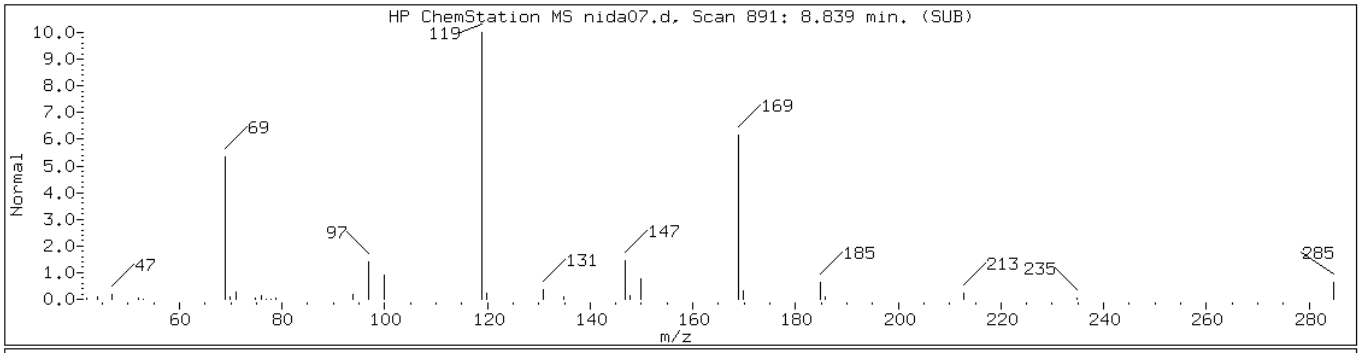
69 1,2,3-Trichlorobenzene

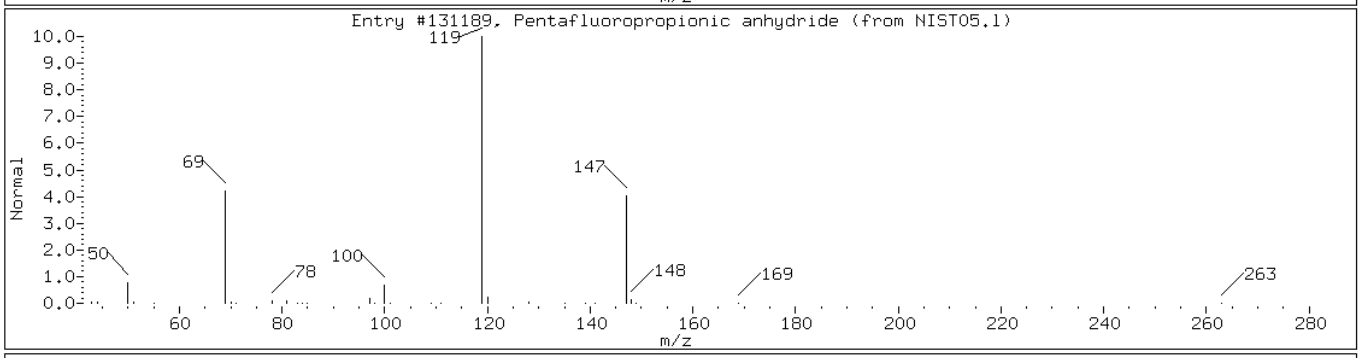


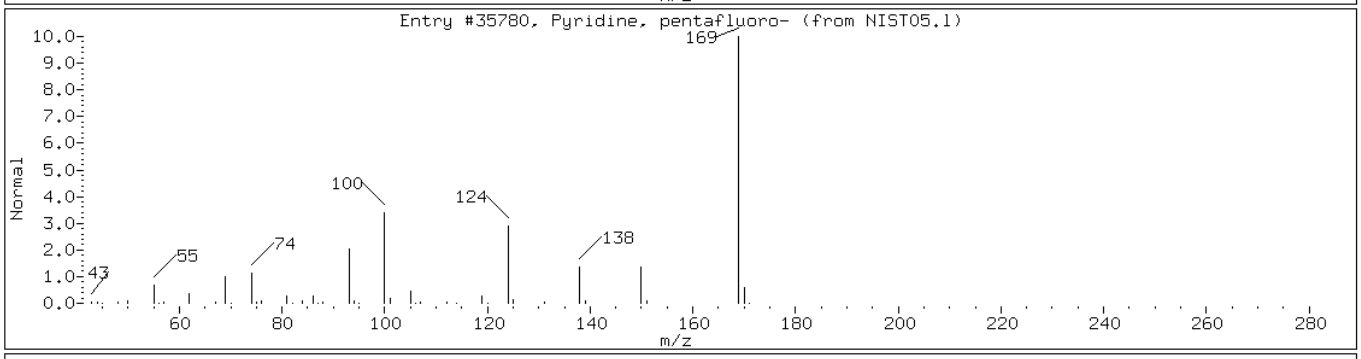
Data File: nida07.d
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09
Client ID: TS003 (072413) Instrument: N.i
Sample Info: 200-17642-B-2-A Operator: jpd

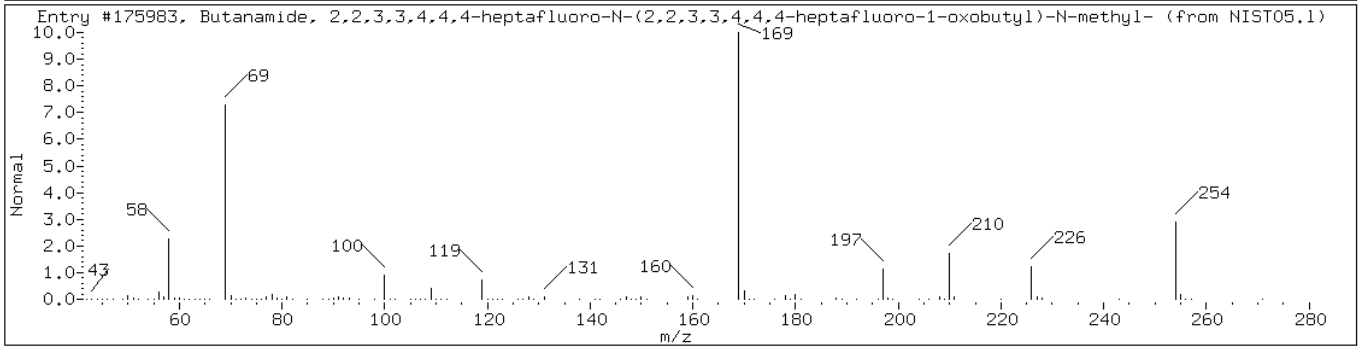
Retention Time: 8.84

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentafluoropropionic anhydride	356-42-3	NIST05.l	131189	28	C6F10O3	310
Pyridine, pentafluoro-	700-16-3	NIST05.l	35780	9	C5F5N	169
Butanamide, 2,2,3,3,4,4,4-heptaflu	73980-71-9	NIST05.l	175983	9	C9H3F14NO2	423





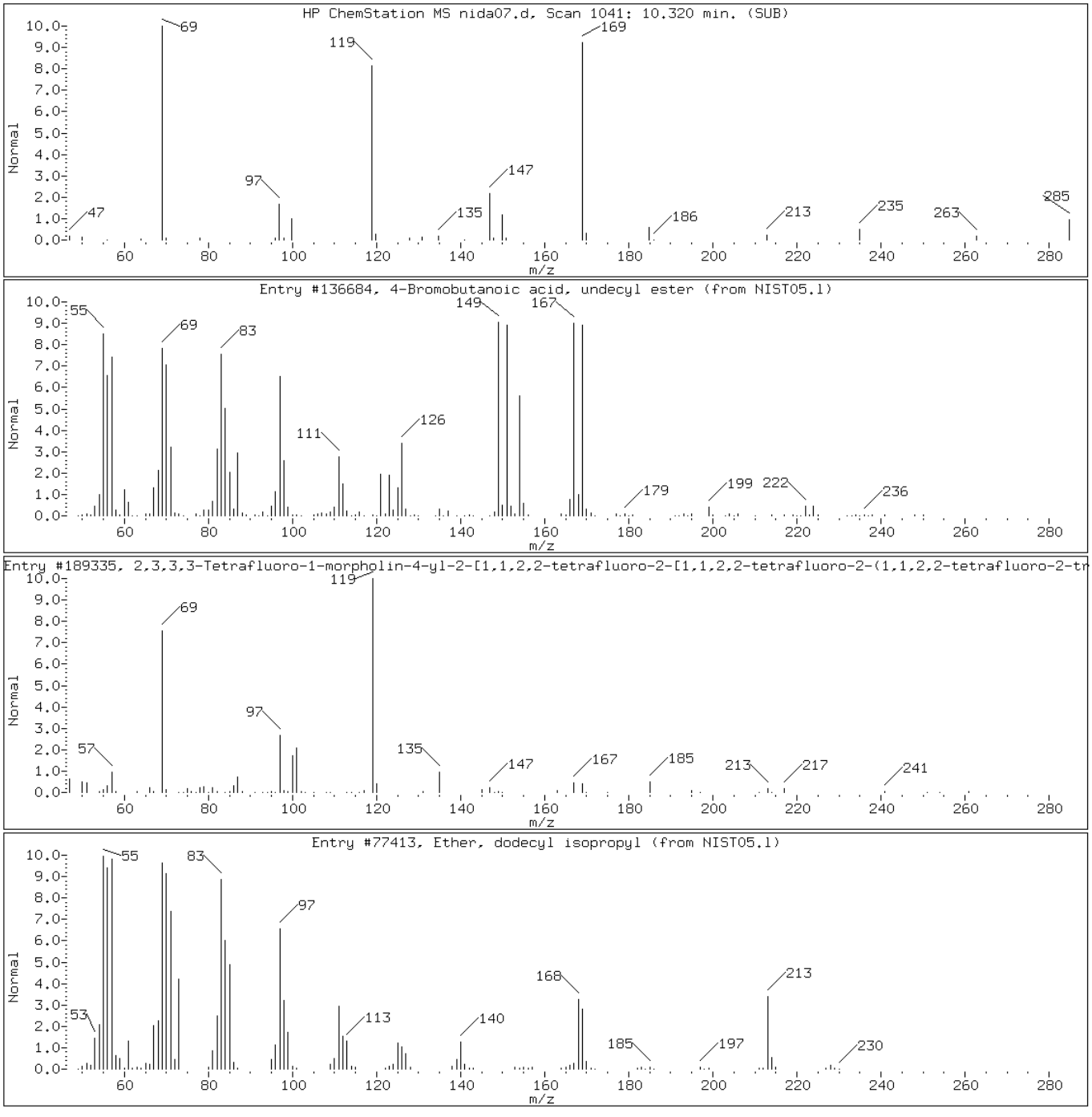




Data File: nida07.d
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09
Client ID: TS003 (072413) Instrument: N.i
Sample Info: 200-17642-B-2-A Operator: jpd

Retention Time: 10.32

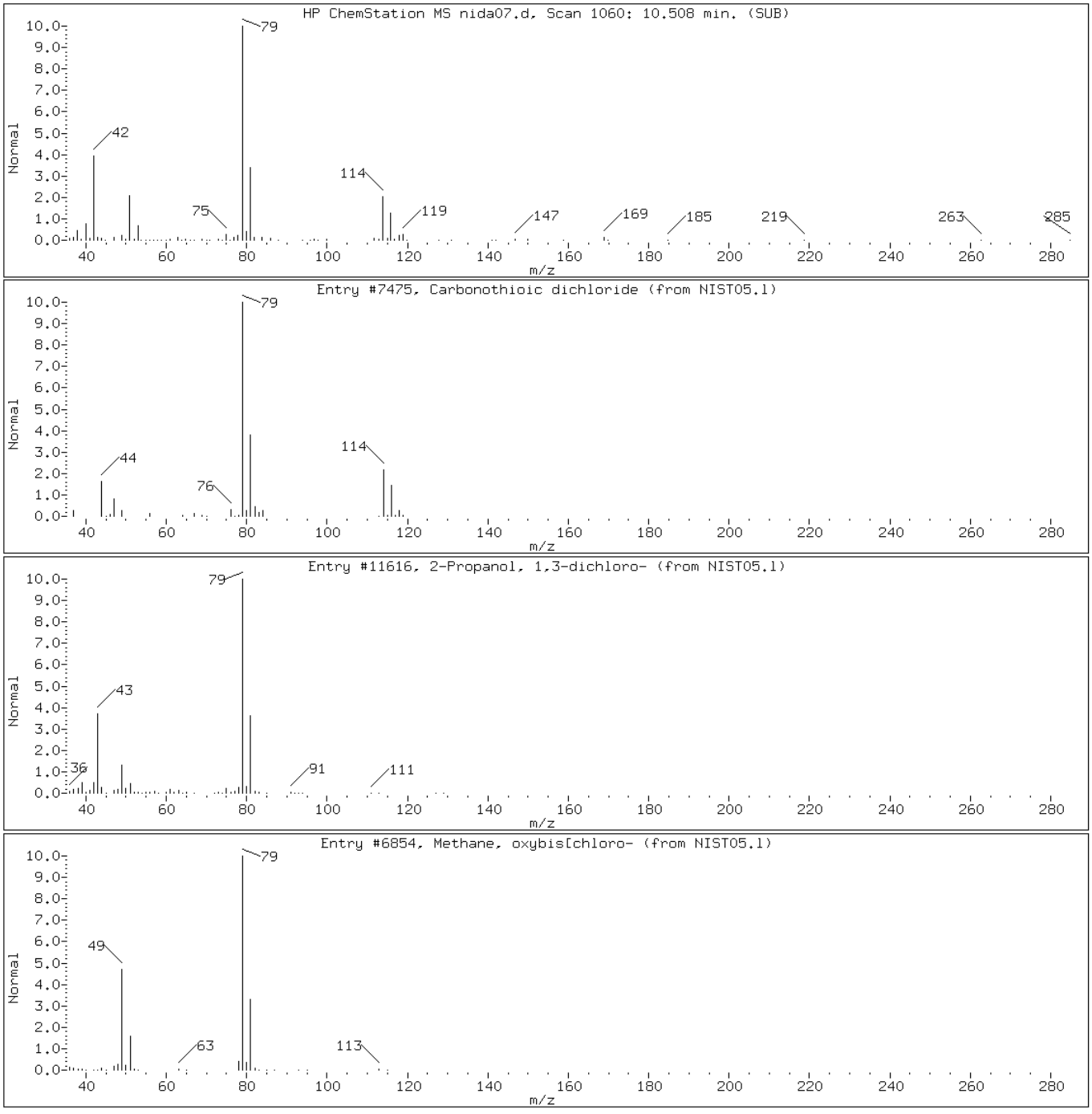
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Bromobutanoic acid, undecyl este	1000282-75-5	NIST05.l	136684	14	C15H29BrO2	320
2,3,3,3-Tetrafluoro-1-morpholin-4-	1000283-99-8	NIST05.l	189335	10	C14H8F19NO6	647
Ether, dodecyl isopropyl	29379-42-8	NIST05.l	77413	9	C15H32O	228



Data File: nida07.d
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 14:09
Client ID: TS003 (072413) Instrument: N.i
Sample Info: 200-17642-B-2-A Operator: jpd

Retention Time: 10.51

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	49	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114



EPA SAMPLE NO.
TS003 (072413)RE

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2
Sample wt/vol: 5.86 (g/mL) g Lab File ID: NIDA10.D
Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013
% Moisture: not dec. 18 Date Analyzed: 07/30/2013
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U
67-64-1	Acetone	3.0	J
75-15-0	Carbon disulfide	5.2	U
79-20-9	Methyl acetate	1.4	J
75-09-2	Methylene chloride	2.0	J B
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 5.86 (g/mL) g Lab File ID: NIDA10.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 18 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.2	U
108-87-2	Methylcyclohexane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.31	J B
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
95-47-6	o-Xylene	5.2	U
179601-23-1	m,p-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	0.23	J
87-61-6	1,2,3-Trichlorobenzene	0.26	J B

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TS003 (072413)RE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 5.86 (g/mL) g Lab File ID: NIDA10.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 18 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

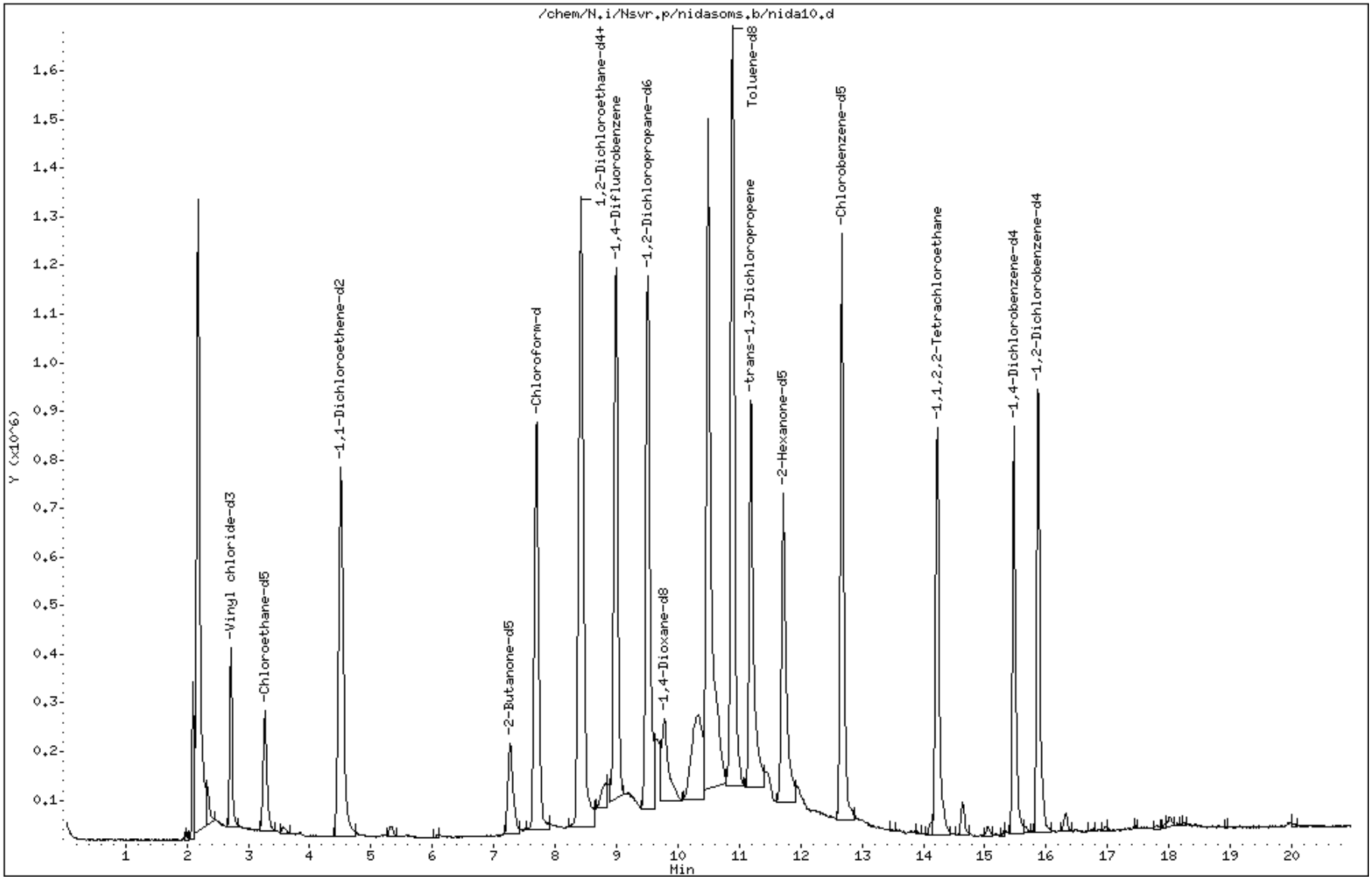
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.34	22	J
02		Unknown	10.49	82	B X J
03	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida10.d
Date : 30-JUL-2013 15:35
Client ID: TS003 (072413)RE
Sample Info: 200-17642-C-2-A
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)RE
Inj Date : 30-JUL-2013 15:35
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-C-2-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.714	2.712	(0.302)	660028	205.065	21
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.267	3.255	(0.363)	620436	267.488	27
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.501	4.509	(0.500)	1640969	241.014	24
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	4.649	4.648	(0.517)	10782	14.1725	1.4(a)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	5.212	5.210	(0.580)	11588	6.90987	0.69(a)
15	Methylene chloride	84	5.340	5.319	(0.594)	27028	9.49455	0.95(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.255	7.254	(0.807)	581153	474.593	47
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.700	7.698	(0.856)	1758729	291.098	29(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.401	8.399	(0.934)	686013	293.221	29
$	29 Benzene-d6	84	8.430	8.429	(0.665)	2277614	325.397	33(R)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.993	9.001	(1.000)	2158262	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.506	9.515	(0.750)	1405767	304.712	30
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.783	9.791	(1.088)	201803	8038.50	800(R)
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.889	10.897	(0.859)	2443343	300.580	30
	43 Toluene	91	10.977	10.976	(0.866)	12482	1.47681	0.15(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.185	11.193	(0.882)	1096985	273.961	27
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.718	11.716	(0.924)	531556	467.772	47
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.676	12.674	(1.000)	1631504	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.226	14.214	(1.122)	1184528	235.420	24
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.470	15.468	(1.000)	493244	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 65 1,2-Dichlorobenzene-d4	152	15.874	15.863	(1.026)	522304	238.491	24
66 1,2-Dichlorobenzene	146	Compound Not Detected.					
67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68 1,2,4-Trichlorobenzene	180	17.464	17.423	(1.129)	2182	1.10011	0.11(aQ)
69 1,2,3-Trichlorobenzene	180	17.948	17.917	(1.160)	2389	1.25001	0.13(aQ)
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)RE
Inj Date : 30-JUL-2013 15:35
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-C-2-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.993	4945811	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.336	2097724	106.035365	11	0		0	32
Unknown					CAS #:		
10.494	7759145	392.207887	39	0		0	32

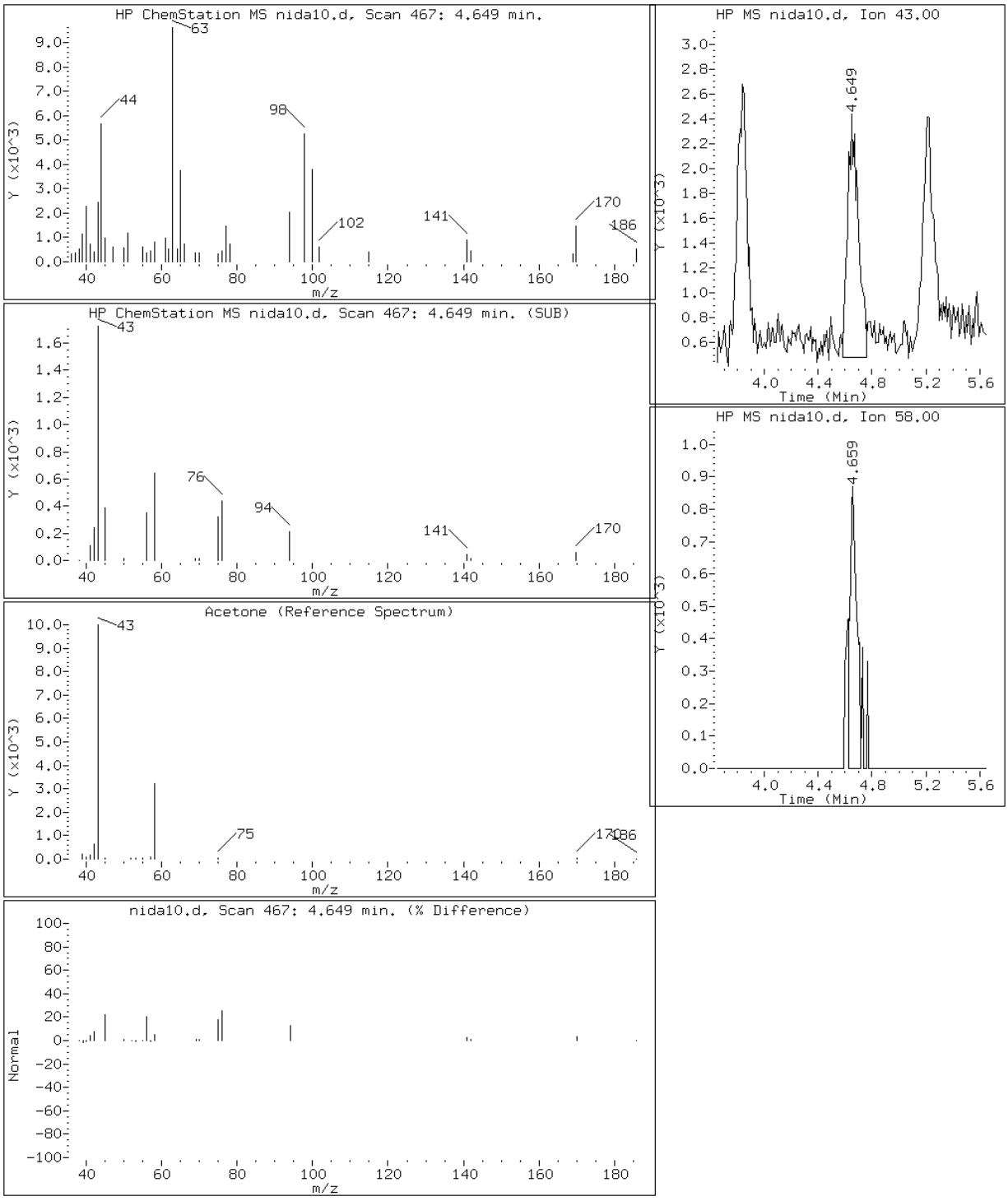
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

12 Acetone



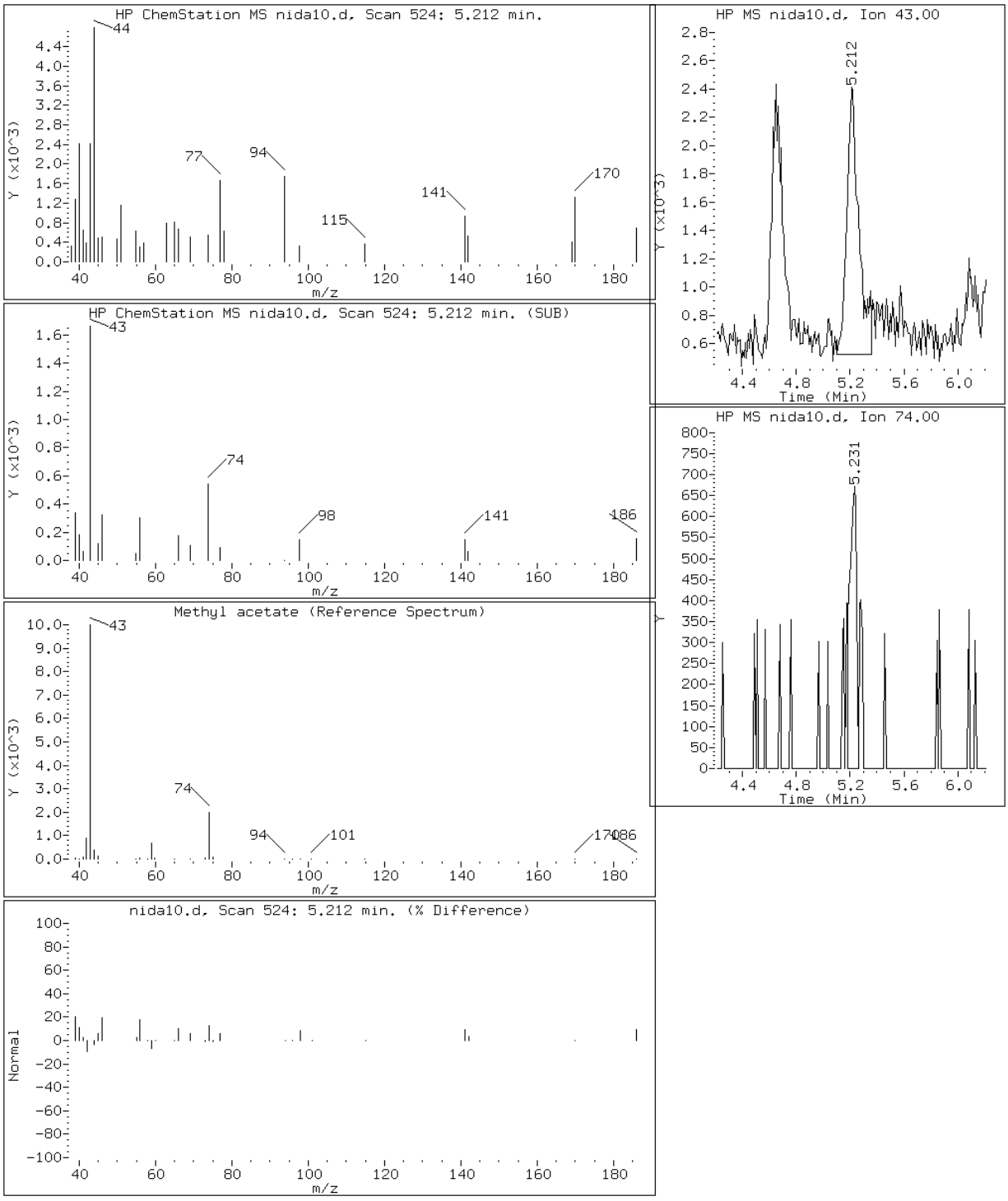
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

14 Methyl acetate



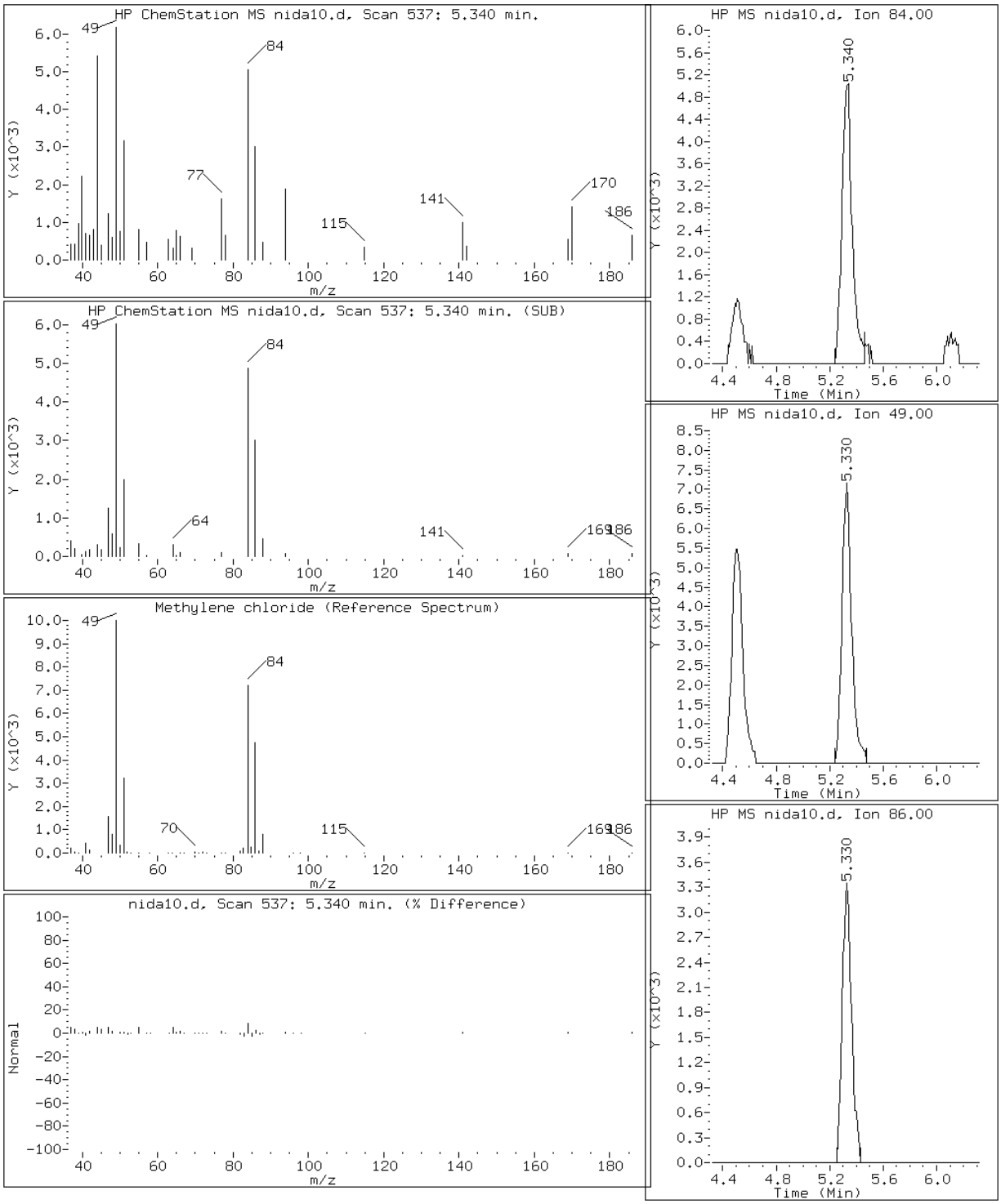
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

15 Methylene chloride



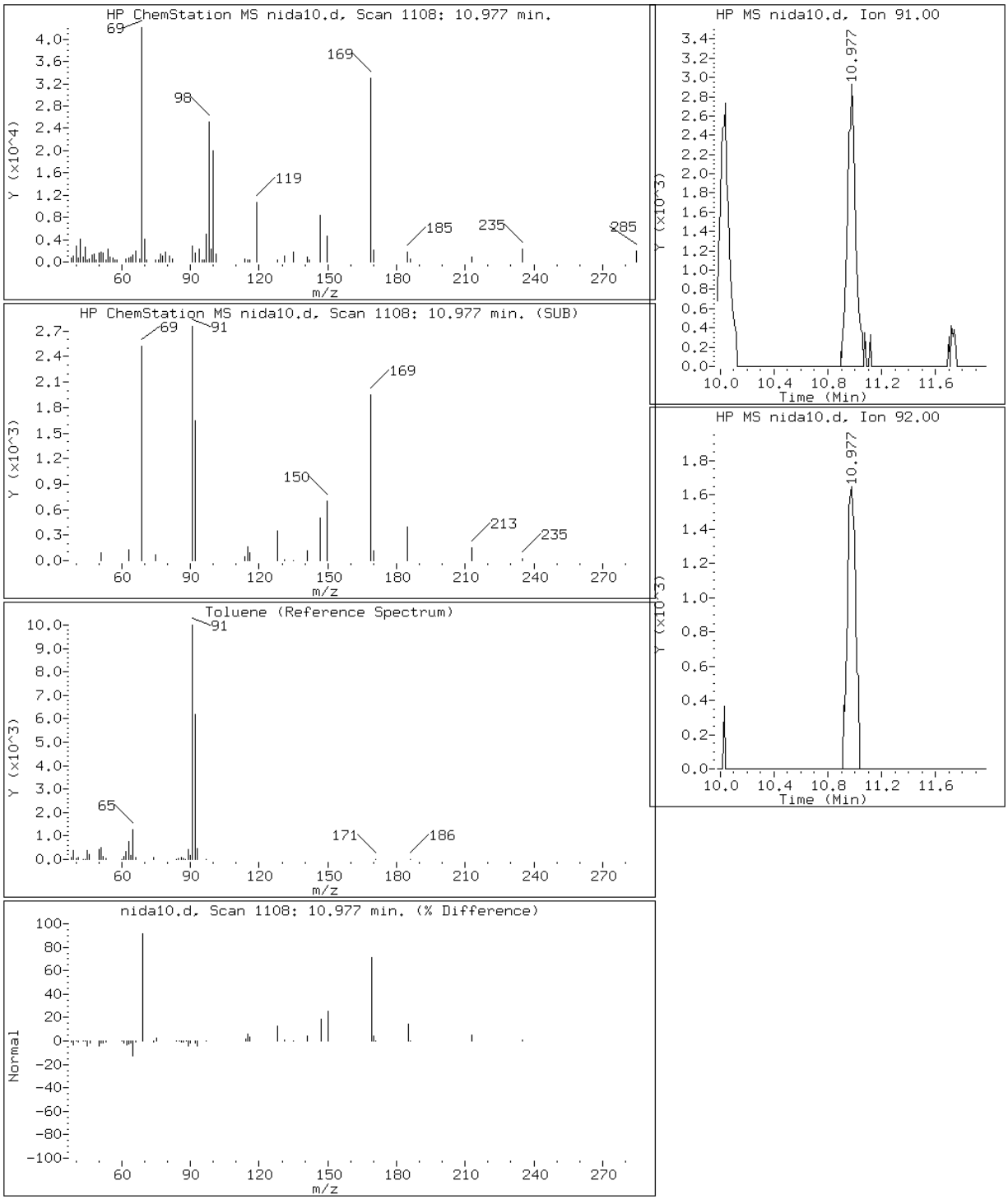
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

43 Toluene



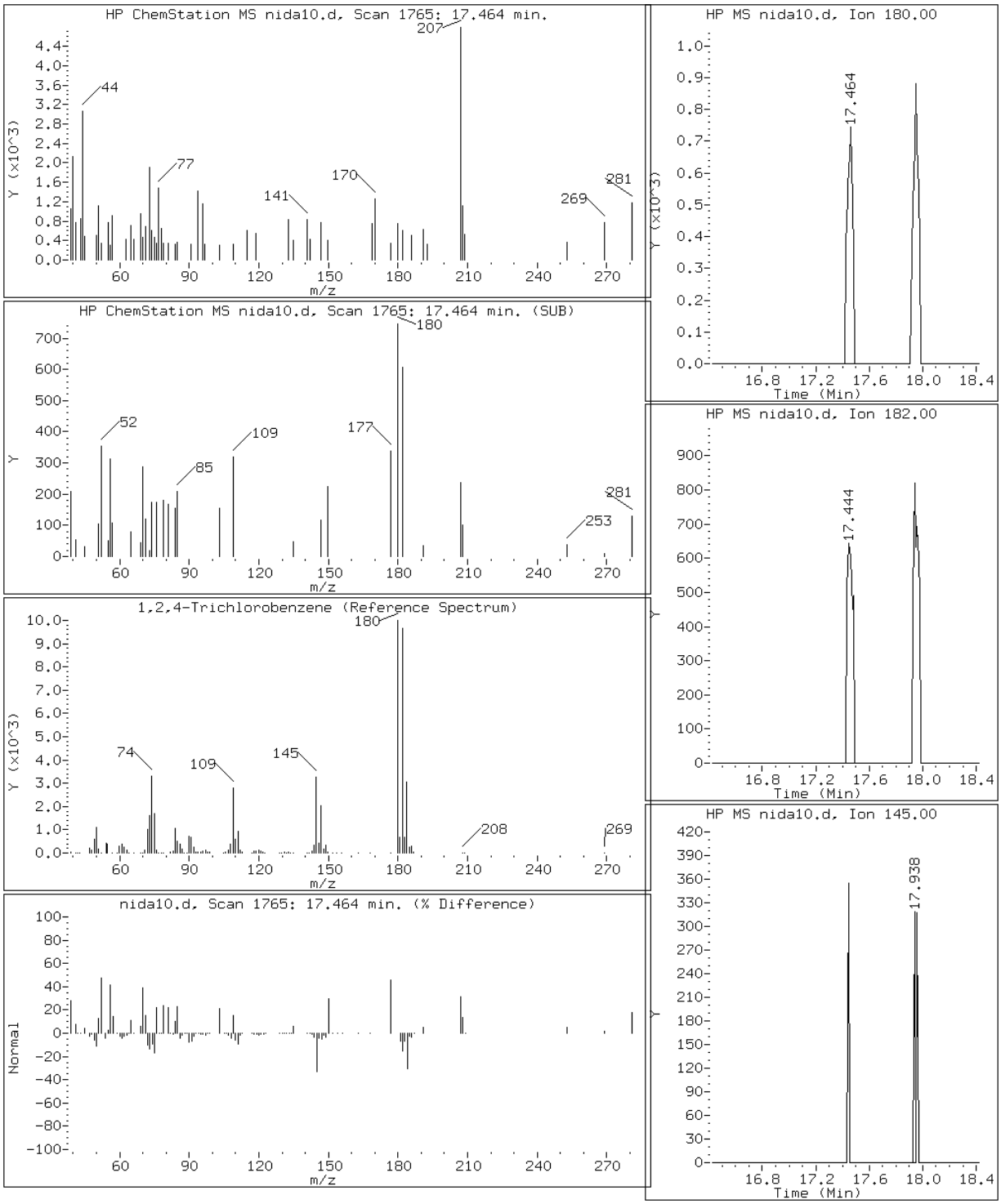
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

68 1,2,4-Trichlorobenzene



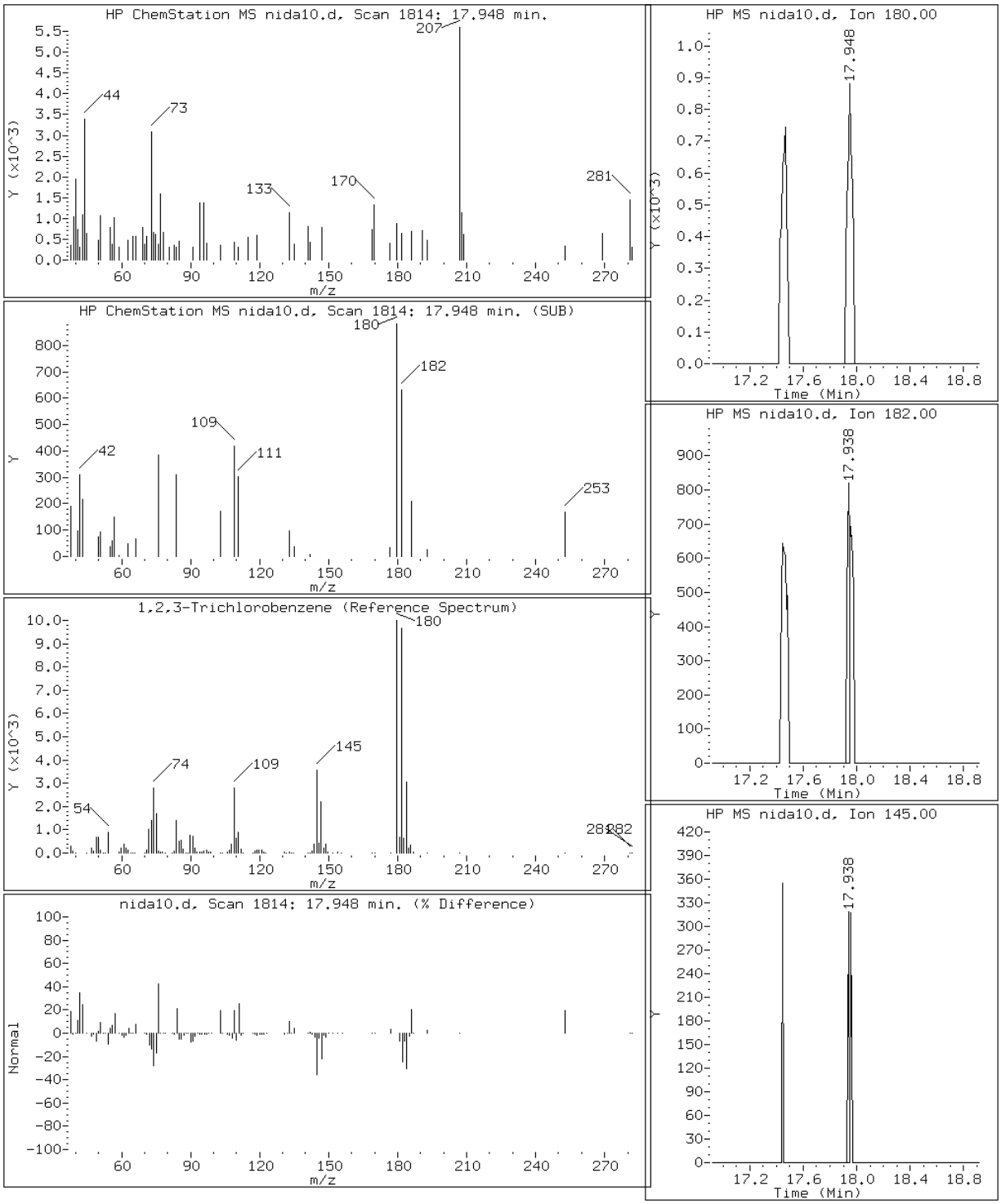
Data File: nida10.d

Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35

Client ID: TS003 (072413)RE Instrument: N.i

Sample Info: 200-17642-C-2-A Operator: jpd

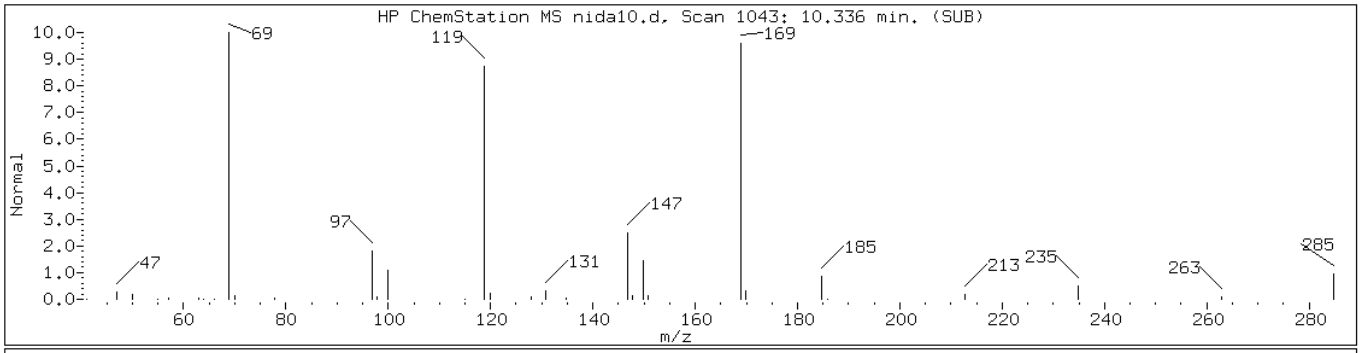
69 1,2,3-Trichlorobenzene

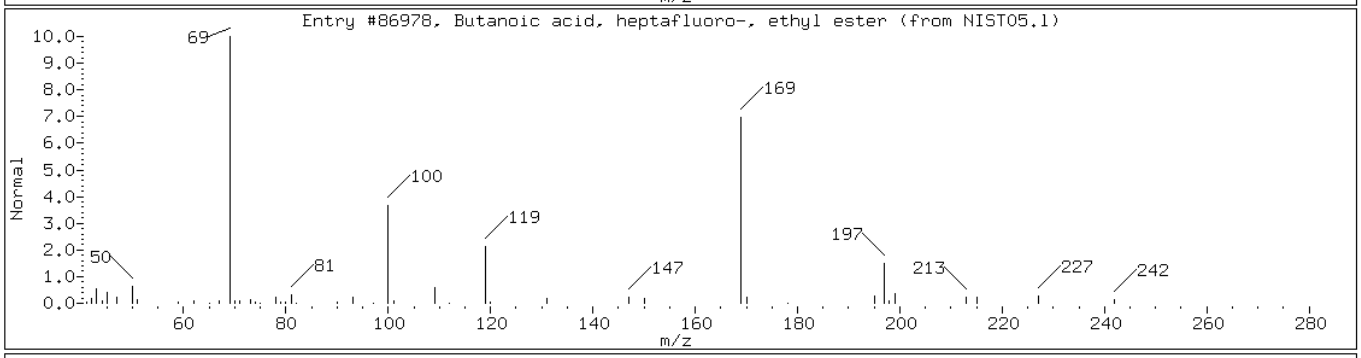


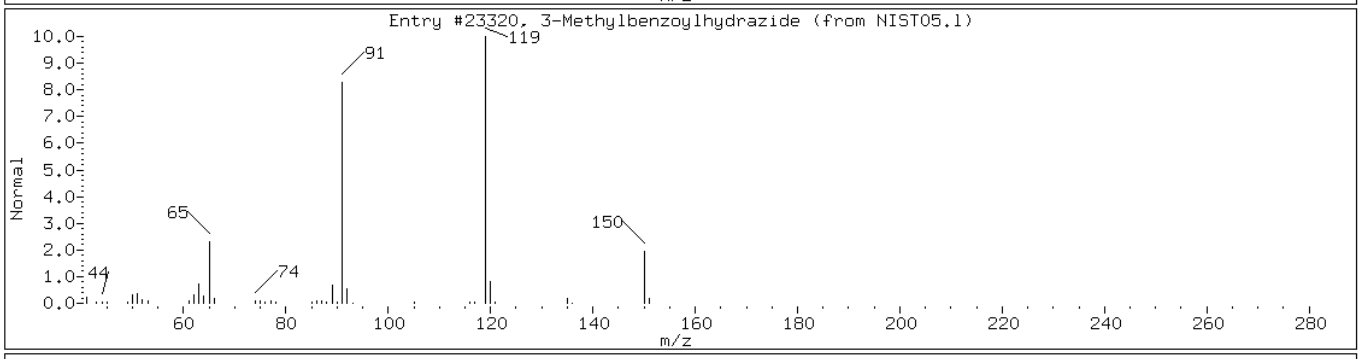
Data File: nida10.d
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35
Client ID: TS003 (072413)RE Instrument: N.i
Sample Info: 200-17642-C-2-A Operator: jpd

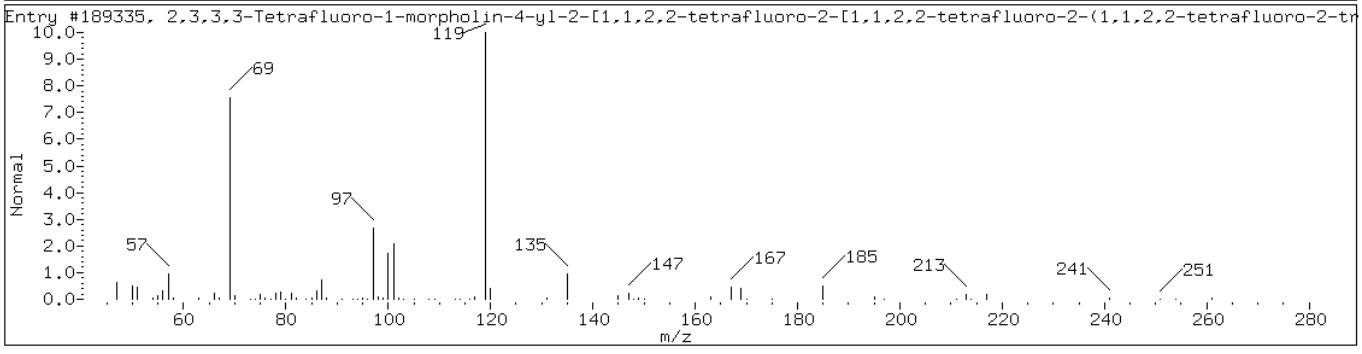
Retention Time: 10.34

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanoic acid, heptafluoro-, ethyl	356-27-4	NIST05.l	86978	28	C6H5F7O2	242
3-Methylbenzoylhydrazide	13050-47-0	NIST05.l	23320	9	C8H10N2O	150
2,3,3,3-Tetrafluoro-1-morpholin-4-	1000283-99-8	NIST05.l	189335	9	C14H8F19NO6	647





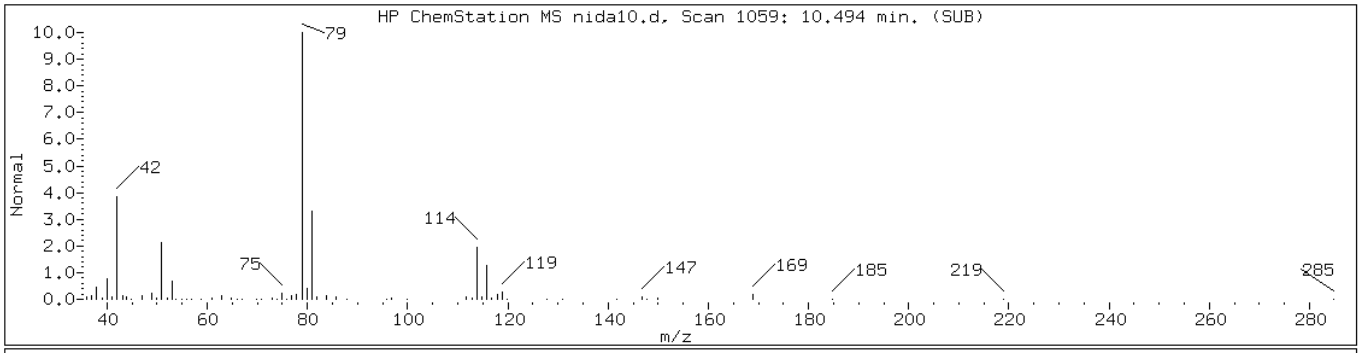


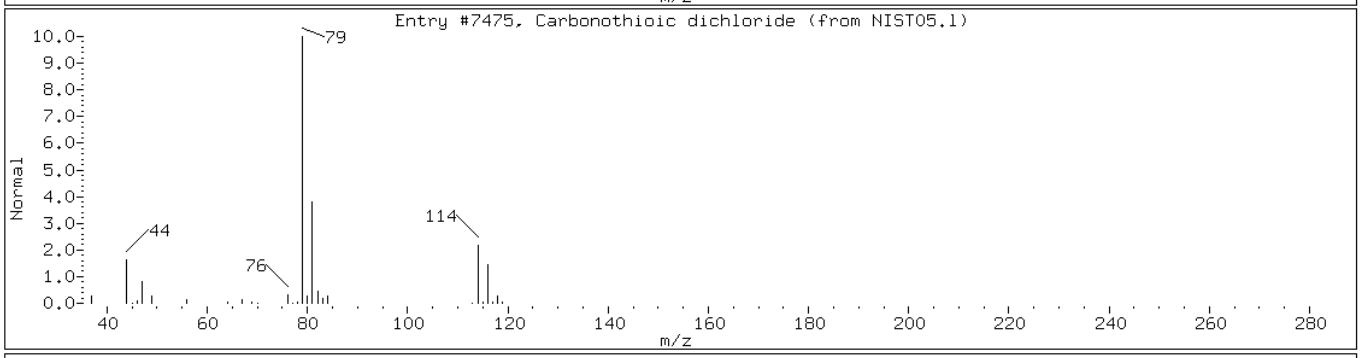


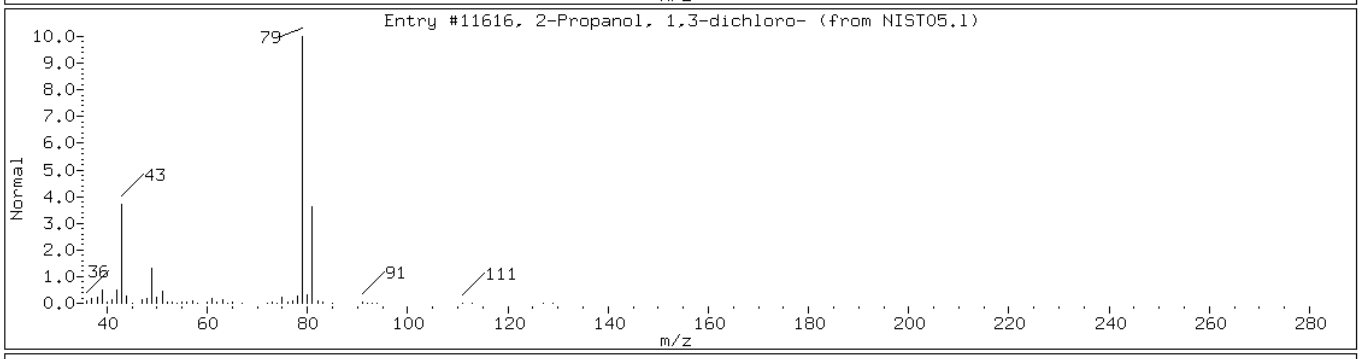
Data File: nida10.d
Lab Sample ID: 200-17642-2 Date: 30-JUL-2013 15:35
Client ID: TS003 (072413)RE Instrument: N.i
Sample Info: 200-17642-C-2-A Operator: jpd

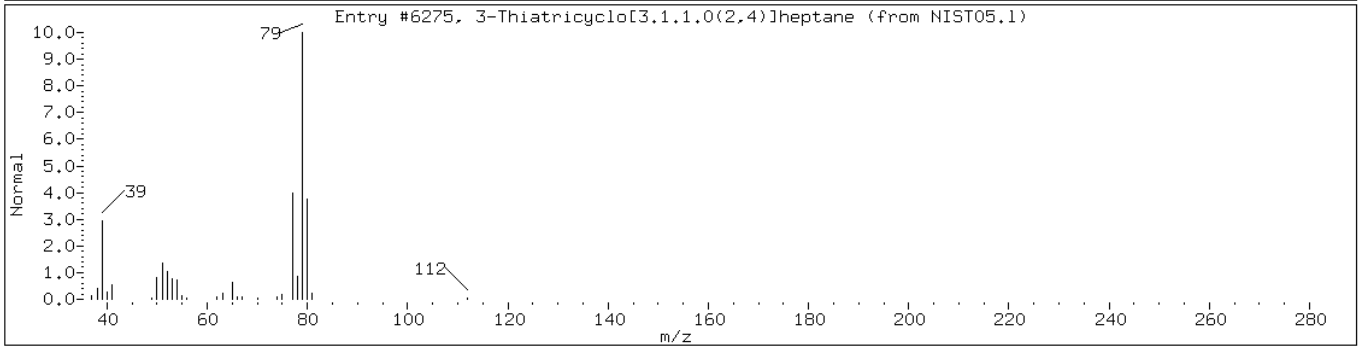
Retention Time: 10.49

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.l	6275	25	C6H8S	112









EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 5.98 (g/mL) g Lab File ID: NIDA08.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 14 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	4.9	U
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	4.9	U
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U
75-35-4	1,1-Dichloroethene	4.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U
67-64-1	Acetone	2.3	J
75-15-0	Carbon disulfide	0.27	J
79-20-9	Methyl acetate	4.9	U
75-09-2	Methylene chloride	1.4	J B
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	U
75-34-3	1,1-Dichloroethane	4.9	U
156-59-2	cis-1,2-Dichloroethene	4.9	U
78-93-3	2-Butanone	9.8	U
74-97-5	Bromochloromethane	4.9	U
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U
110-82-7	Cyclohexane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U
71-43-2	Benzene	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U
123-91-1	1,4-Dioxane	98	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 5.98 (g/mL) g Lab File ID: NIDA08.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 14 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	4.9	U
108-87-2	Methylcyclohexane	4.9	U
78-87-5	1,2-Dichloropropane	4.9	U
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U
108-10-1	4-Methyl-2-pentanone	9.8	U
108-88-3	Toluene	0.30	J B
10061-02-6	trans-1,3-Dichloropropene	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	U
127-18-4	Tetrachloroethene	4.9	U
591-78-6	2-Hexanone	9.8	U
124-48-1	Dibromochloromethane	4.9	U
106-93-4	1,2-Dibromoethane	4.9	U
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
95-47-6	o-Xylene	4.9	U
179601-23-1	m,p-Xylene	4.9	U
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene	0.16	J
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
96-12-8	1,2-Dibromo-3-chloropropane	4.9	U
120-82-1	1,2,4-Trichlorobenzene	0.22	J
87-61-6	1,2,3-Trichlorobenzene	0.27	J B

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 5.98 (g/mL) g Lab File ID: NIDA08.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/24/2013

% Moisture: not dec. 14 Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

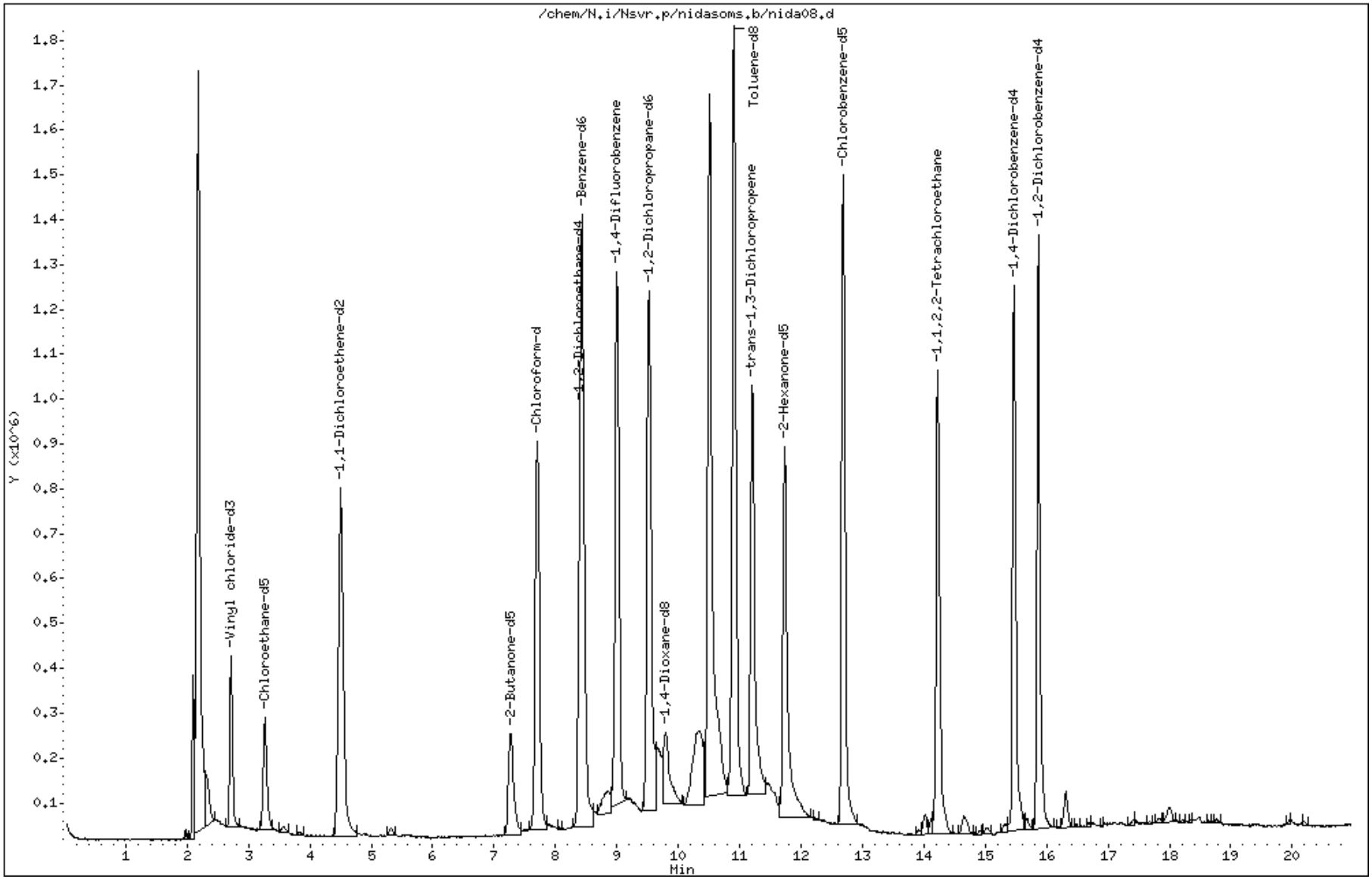
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.33	18	J
02		Unknown	10.51	77	B X J
03	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida08.d
Date : 30-JUL-2013 14:38
Client ID: TS004 (072413)
Sample Info: 200-17642-B-3-A
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 30-JUL-2013 14:38
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-3-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.713	2.712	(0.301)	671399	190.193	19
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.266	3.255	(0.363)	630547	247.862	25
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.500	4.509	(0.500)	1683352	225.425	23
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	4.638	4.648	(0.515)	9894	11.8578	1.2(a)
	13 Carbon disulfide	76	4.885	4.884	(0.543)	12979	1.36861	0.14(a)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	5.319	5.319	(0.591)	22373	7.16588	0.72(a)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.264	7.254	(0.807)	738934	550.201	55
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.699	7.698	(0.855)	1846536	278.666	28(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.400	8.399	(0.933)	705742	275.039	28
$	29 Benzene-d6	84	8.439	8.429	(0.665)	2423309	293.920	29
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.002	9.001	(1.000)	2367115	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.525	9.515	(0.751)	1472815	271.026	27
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.802	9.791	(1.089)	189721	6890.45	690
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.907	10.897	(0.860)	2669322	278.781	28
	43 Toluene	91	10.986	10.976	(0.866)	15318	1.53861	0.15(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.204	11.193	(0.883)	1272310	269.754	27
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.737	11.716	(0.925)	741086	553.657	55
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.685	12.674	(1.000)	1921771	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	13.929	13.918	(1.098)	10295	0.82781	0.083(a)
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.225	14.214	(1.121)	1439479	242.879	24
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.469	15.468	(1.000)	709181	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 65 1,2-Dichlorobenzene-d4	152	15.864	15.863	(1.026)	730501	231.993	23
66 1,2-Dichlorobenzene	146	Compound Not Detected.					
67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68 1,2,4-Trichlorobenzene	180	17.433	17.423	(1.127)	3283	1.15122	0.12(a)
69 1,2,3-Trichlorobenzene	180	17.937	17.917	(1.160)	3867	1.40726	0.14(a)
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 30-JUL-2013 14:38
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-B-3-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.002	5385619	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.335	1998687	92.7789039	9.3	0		0	32
Unknown					CAS #:		
10.513	8465899	392.986343	39	0		0	32

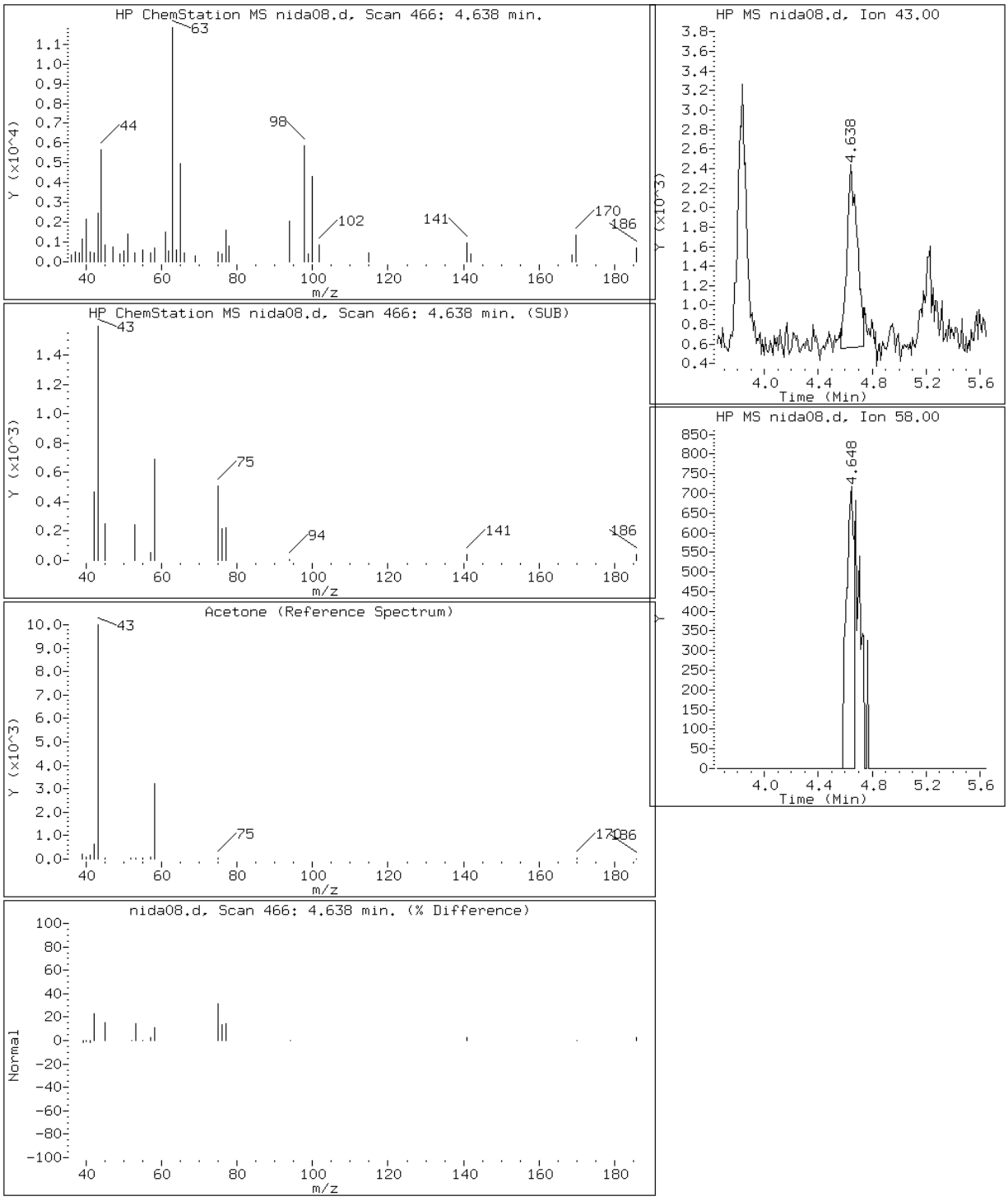
Data File: nida08.d

Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

Client ID: TS004 (072413) Instrument: N.i

Sample Info: 200-17642-B-3-A Operator: jpd

12 Acetone



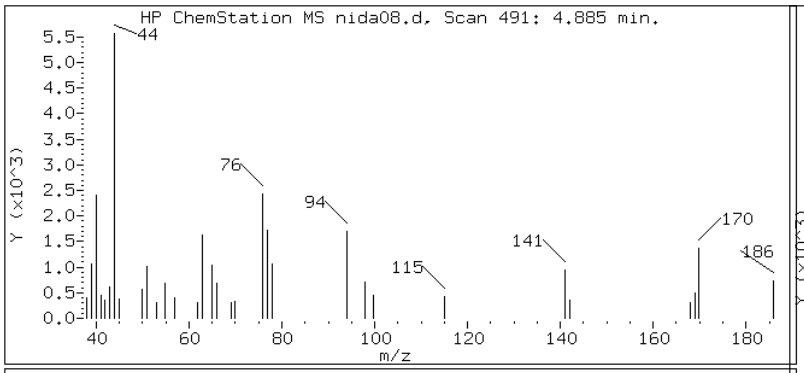
Data File: nida08.d

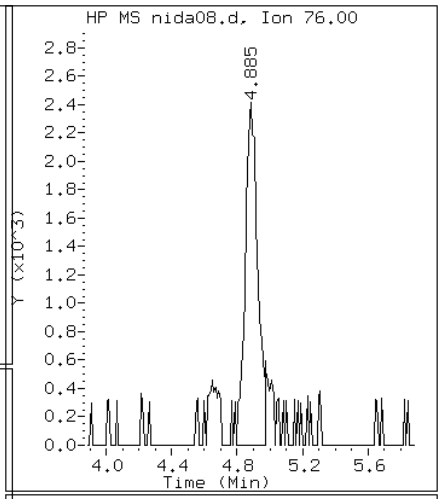
Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

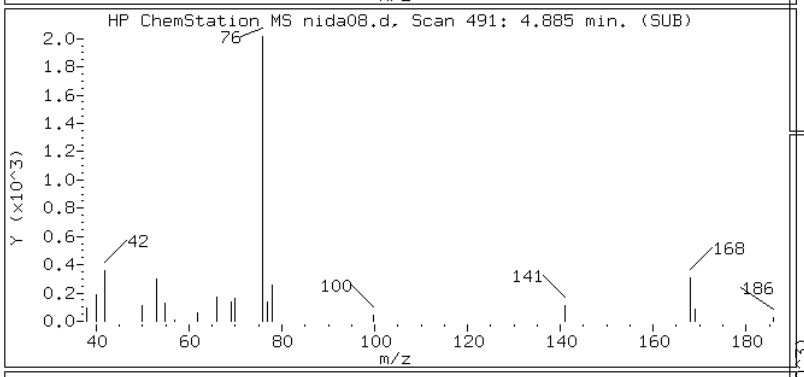
Client ID: TS004 (072413) Instrument: N.i

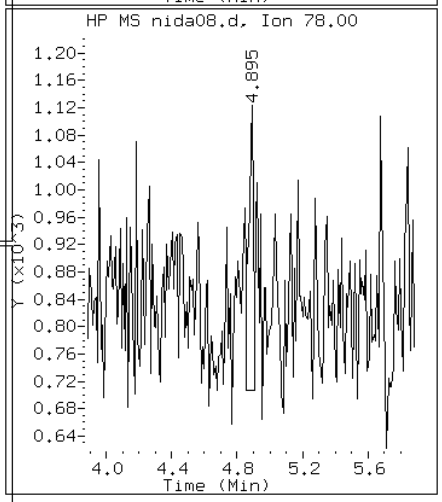
Sample Info: 200-17642-B-3-A Operator: jpd

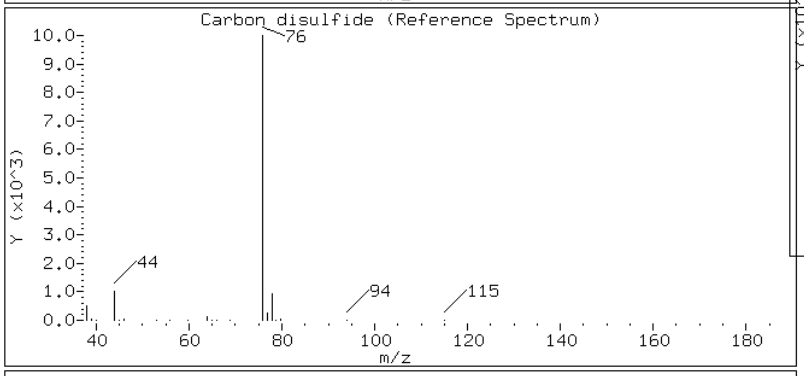
13 Carbon disulfide

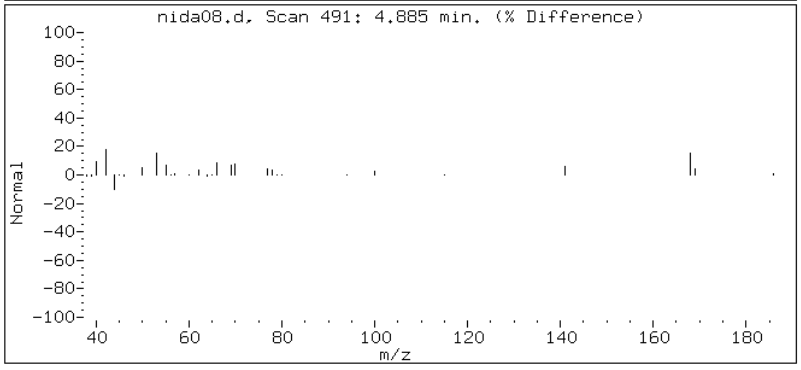












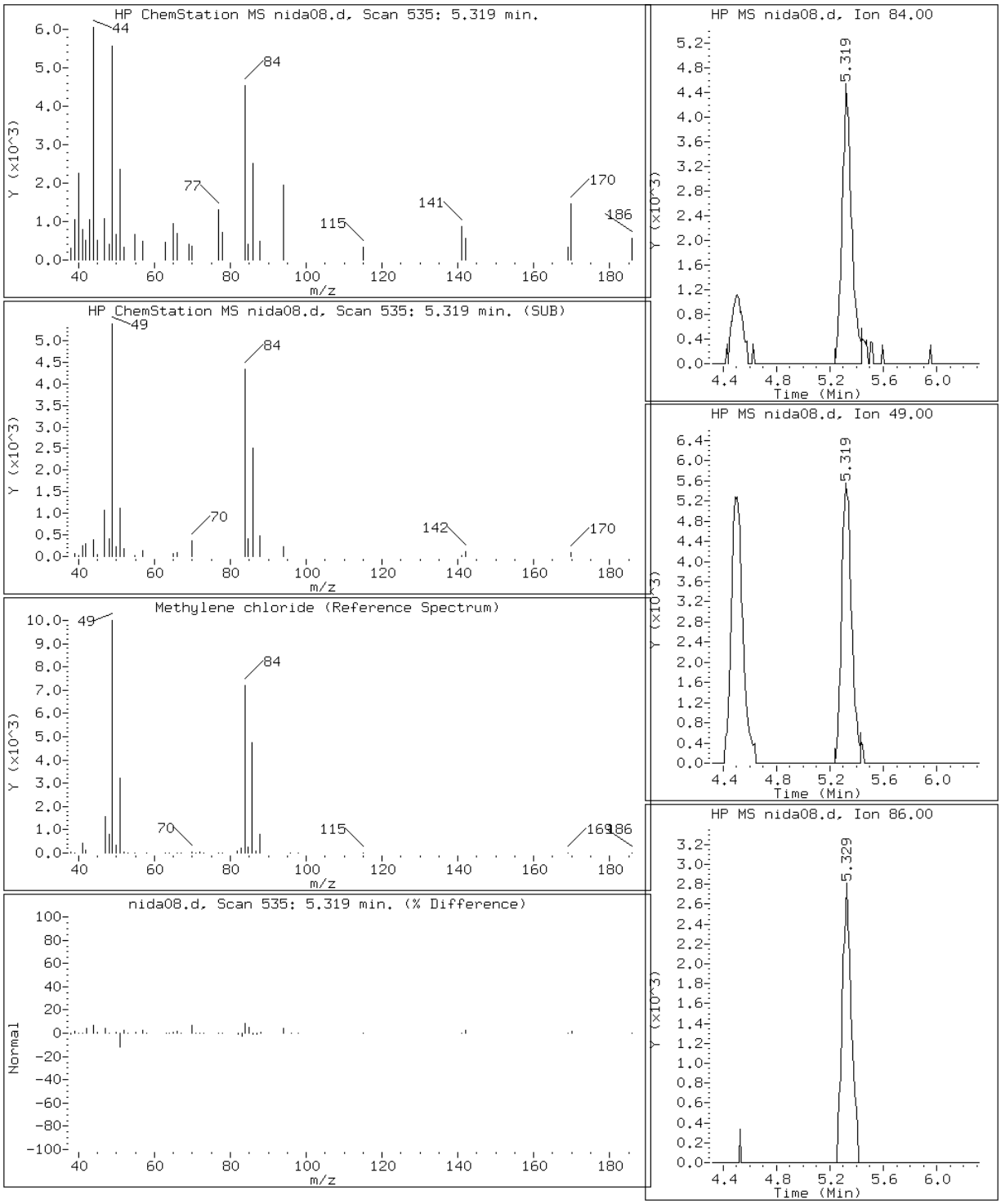
Data File: nida08.d

Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

Client ID: TS004 (072413) Instrument: N.i

Sample Info: 200-17642-B-3-A Operator: jpd

15 Methylene chloride



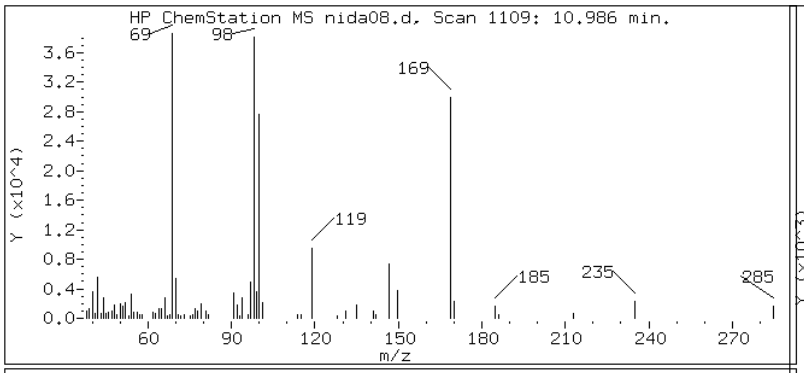
Data File: nida08.d

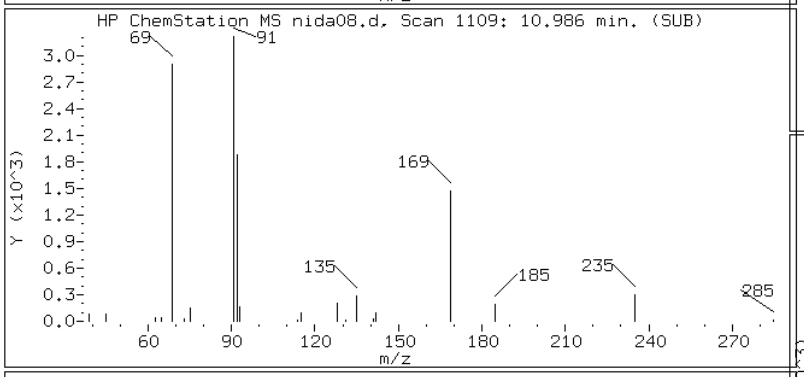
Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

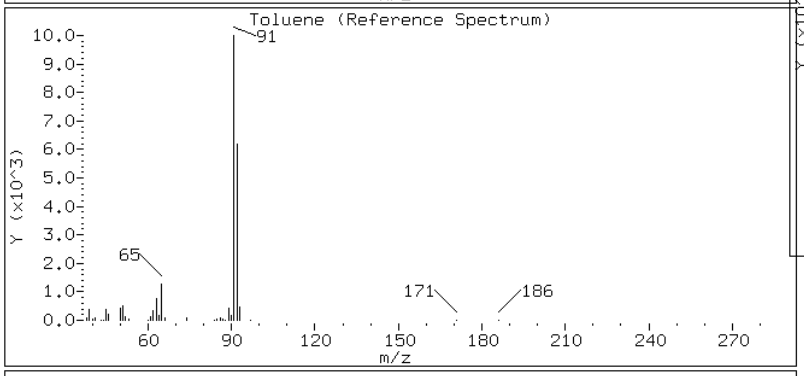
Client ID: TS004 (072413) Instrument: N.i

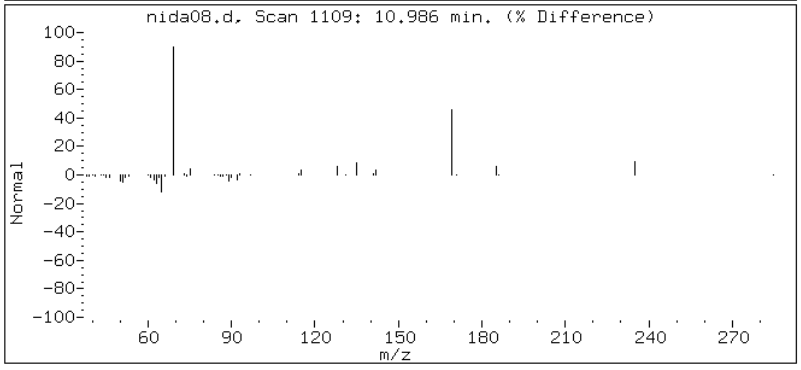
Sample Info: 200-17642-B-3-A Operator: jpd

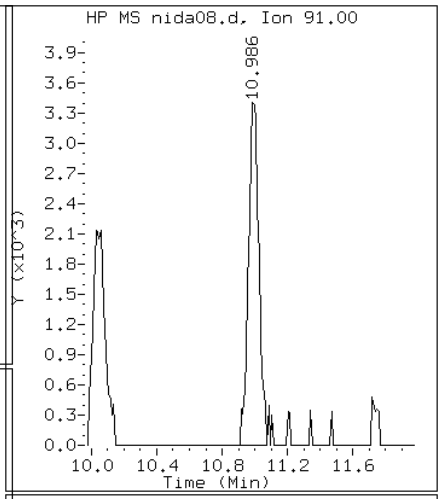
43 Toluene

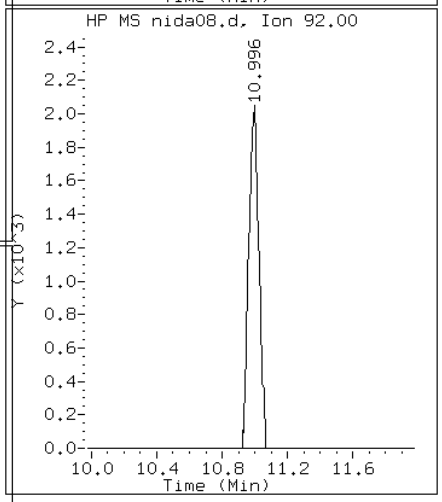












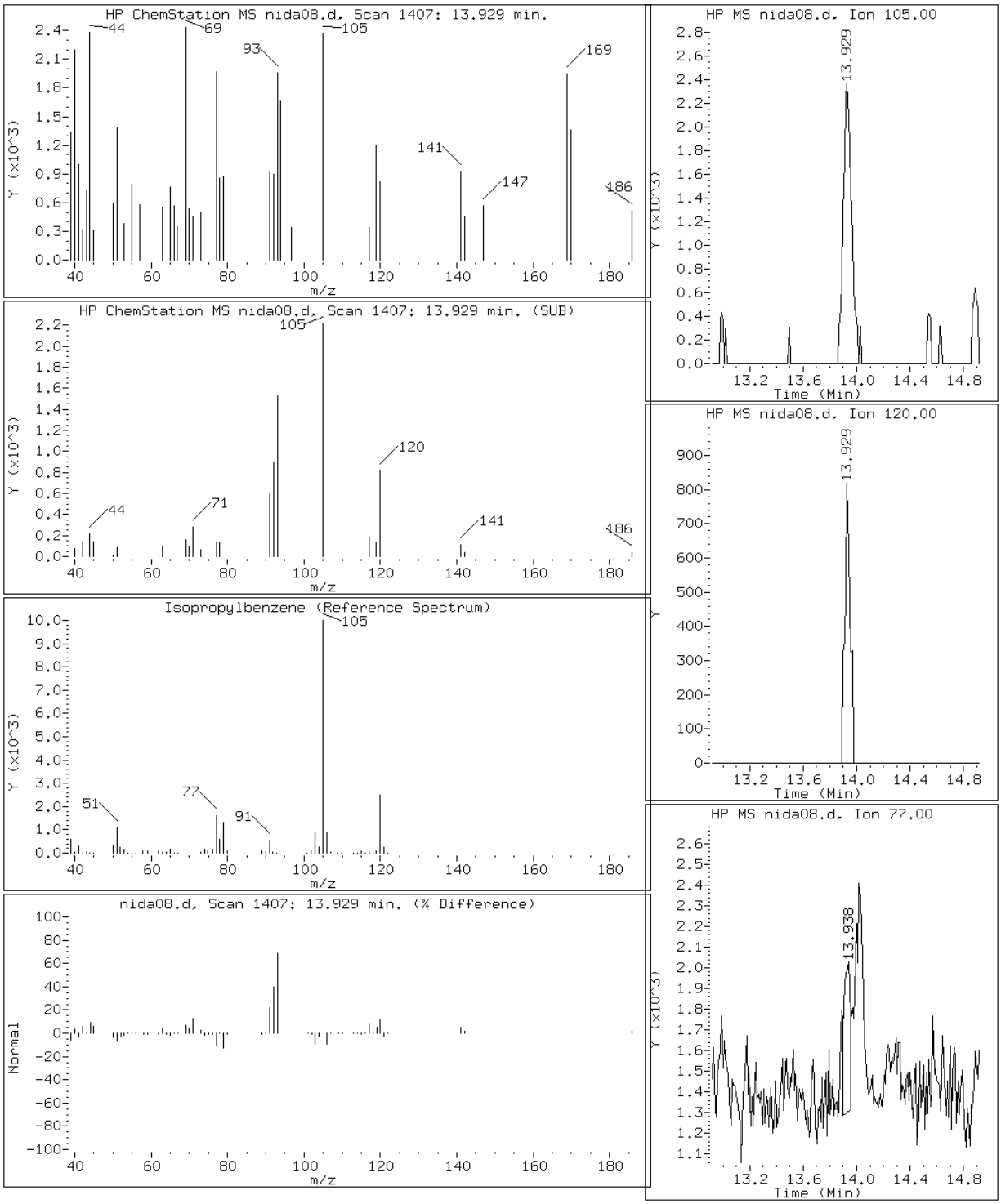
Data File: nida08.d

Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

Client ID: TS004 (072413) Instrument: N.i

Sample Info: 200-17642-B-3-A Operator: jpd

59 Isopropylbenzene



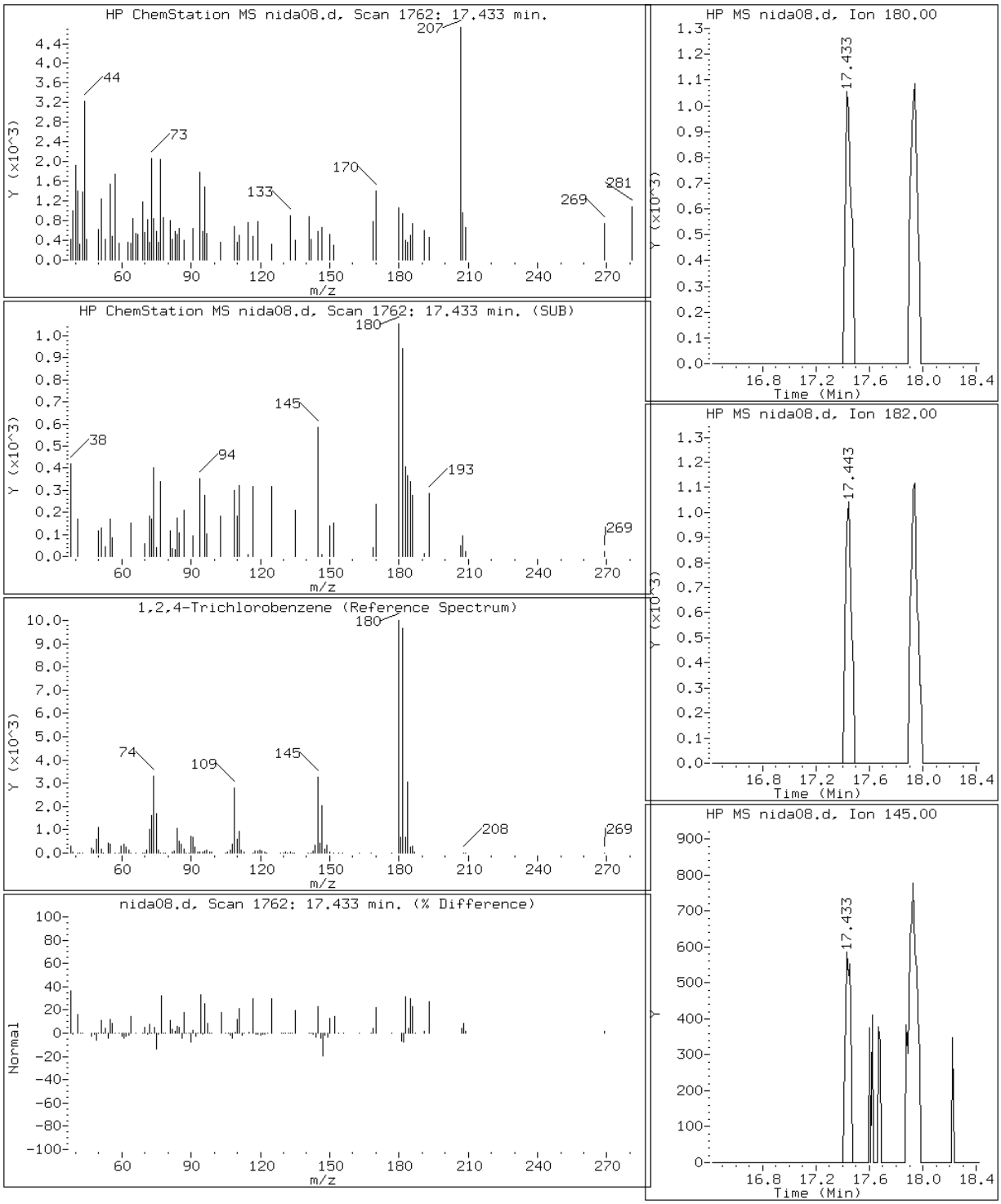
Data File: nida08.d

Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

Client ID: TS004 (072413) Instrument: N.i

Sample Info: 200-17642-B-3-A Operator: jpd

68 1,2,4-Trichlorobenzene



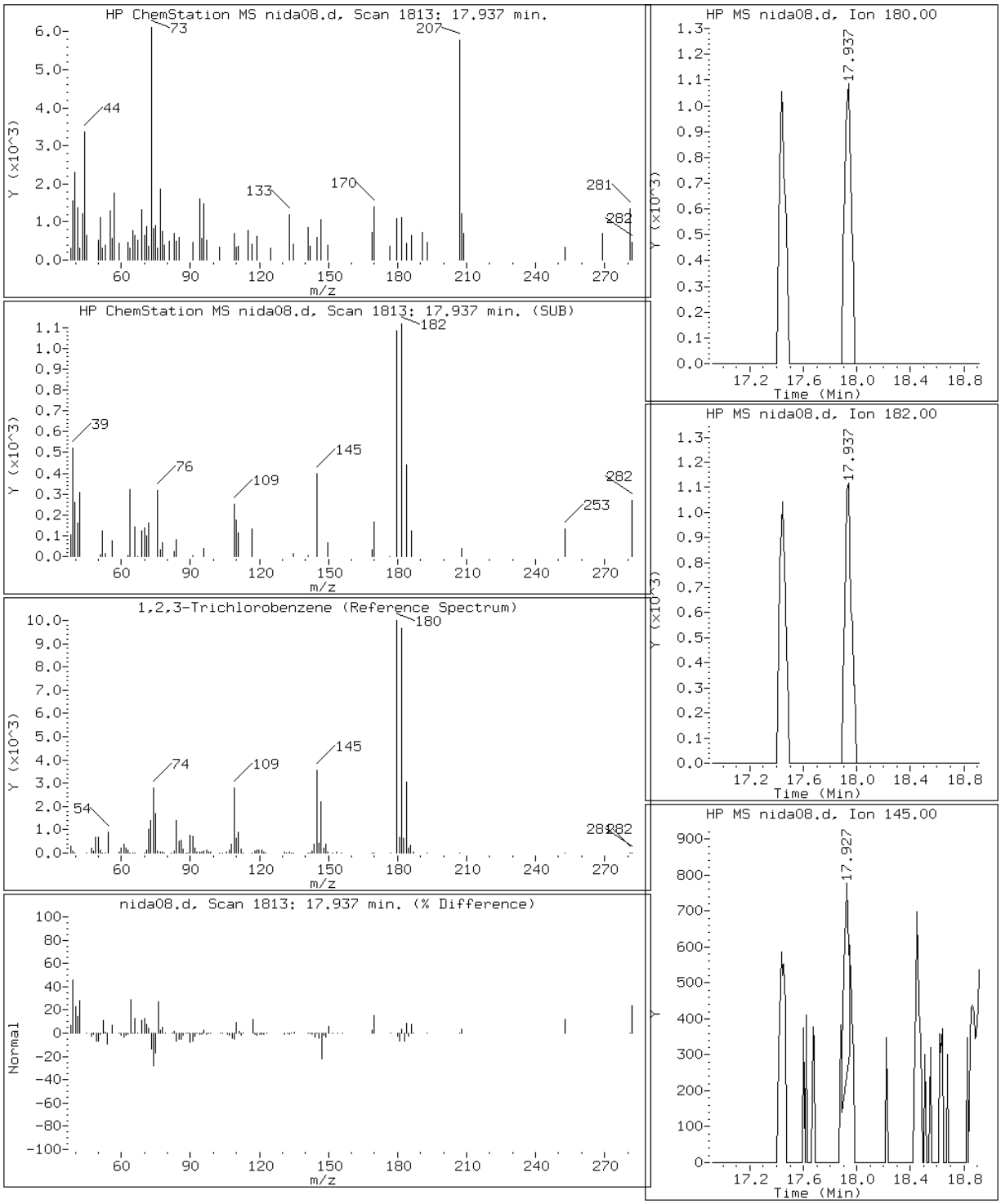
Data File: nida08.d

Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38

Client ID: TS004 (072413) Instrument: N.i

Sample Info: 200-17642-B-3-A Operator: jpd

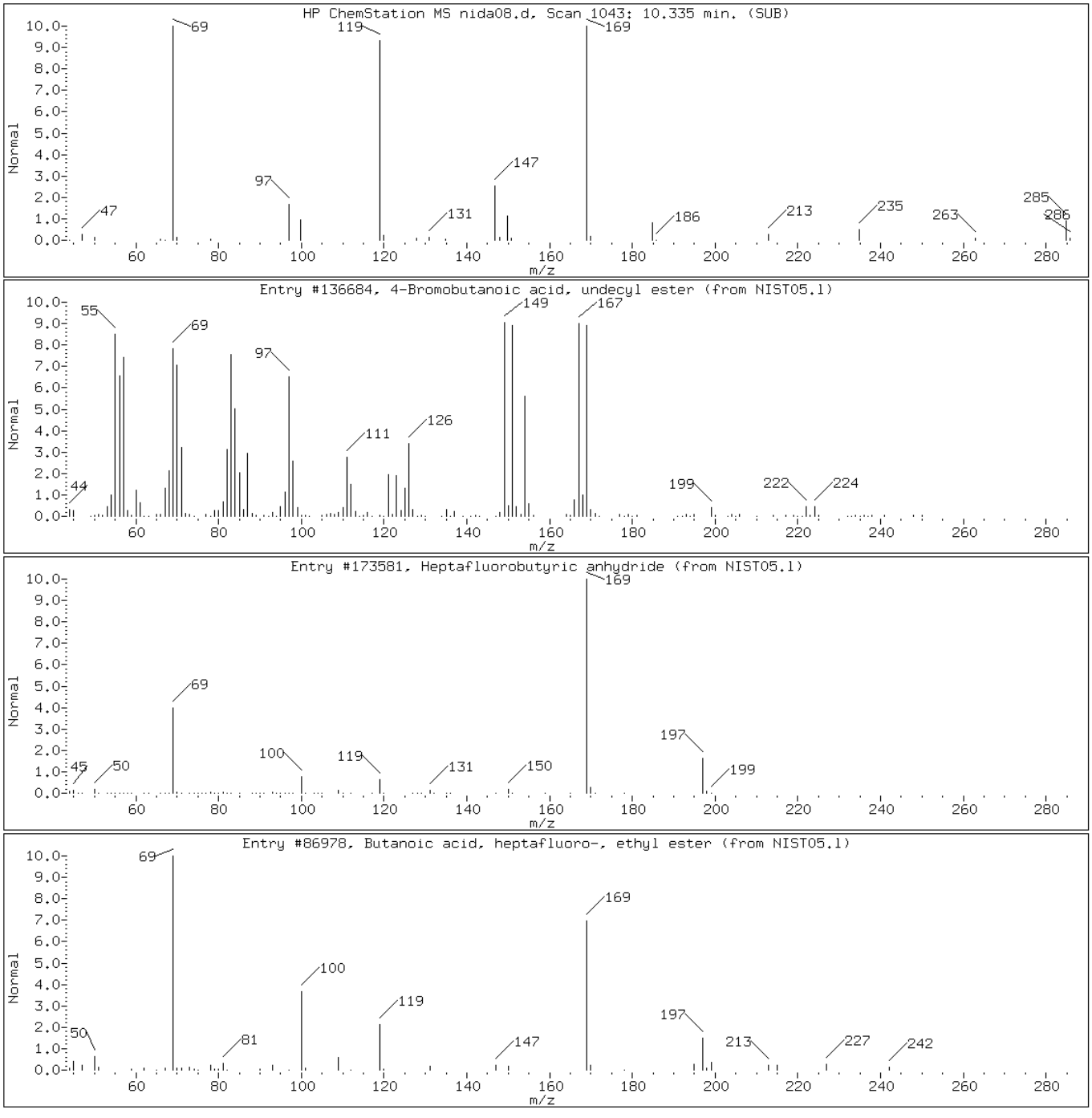
69 1,2,3-Trichlorobenzene



Data File: nida08.d
Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38
Client ID: TS004 (072413) Instrument: N.i
Sample Info: 200-17642-B-3-A Operator: jpd

Retention Time: 10.33

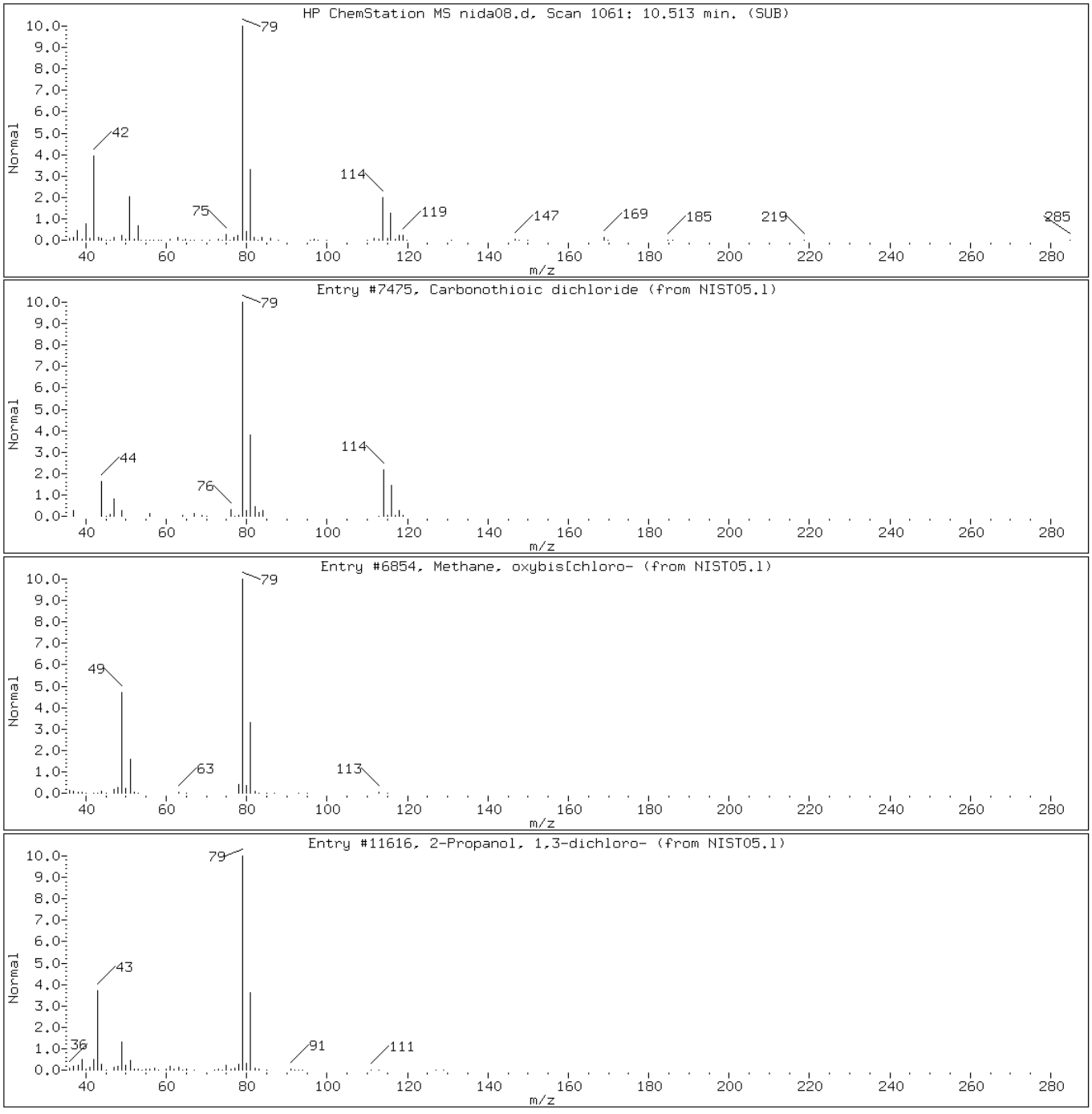
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Bromobutanoic acid, undecyl este	1000282-75-5	NIST05.l	136684	14	C15H29BrO2	320
Heptafluorobutyric anhydride	336-59-4	NIST05.l	173581	9	C8F14O3	410
Butanoic acid, heptafluoro-, ethyl	356-27-4	NIST05.l	86978	9	C6H5F7O2	242



Data File: nida08.d
Lab Sample ID: 200-17642-3 Date: 30-JUL-2013 14:38
Client ID: TS004 (072413) Instrument: N.i
Sample Info: 200-17642-B-3-A Operator: jpd

Retention Time: 10.51

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	49	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	37	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128



EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-8

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW07.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	0.28	J B
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-8

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW07.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.064	J B
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	0.17	J B
87-61-6	1,2,3-Trichlorobenzene	0.19	J B

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 200-17642-8

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW07.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

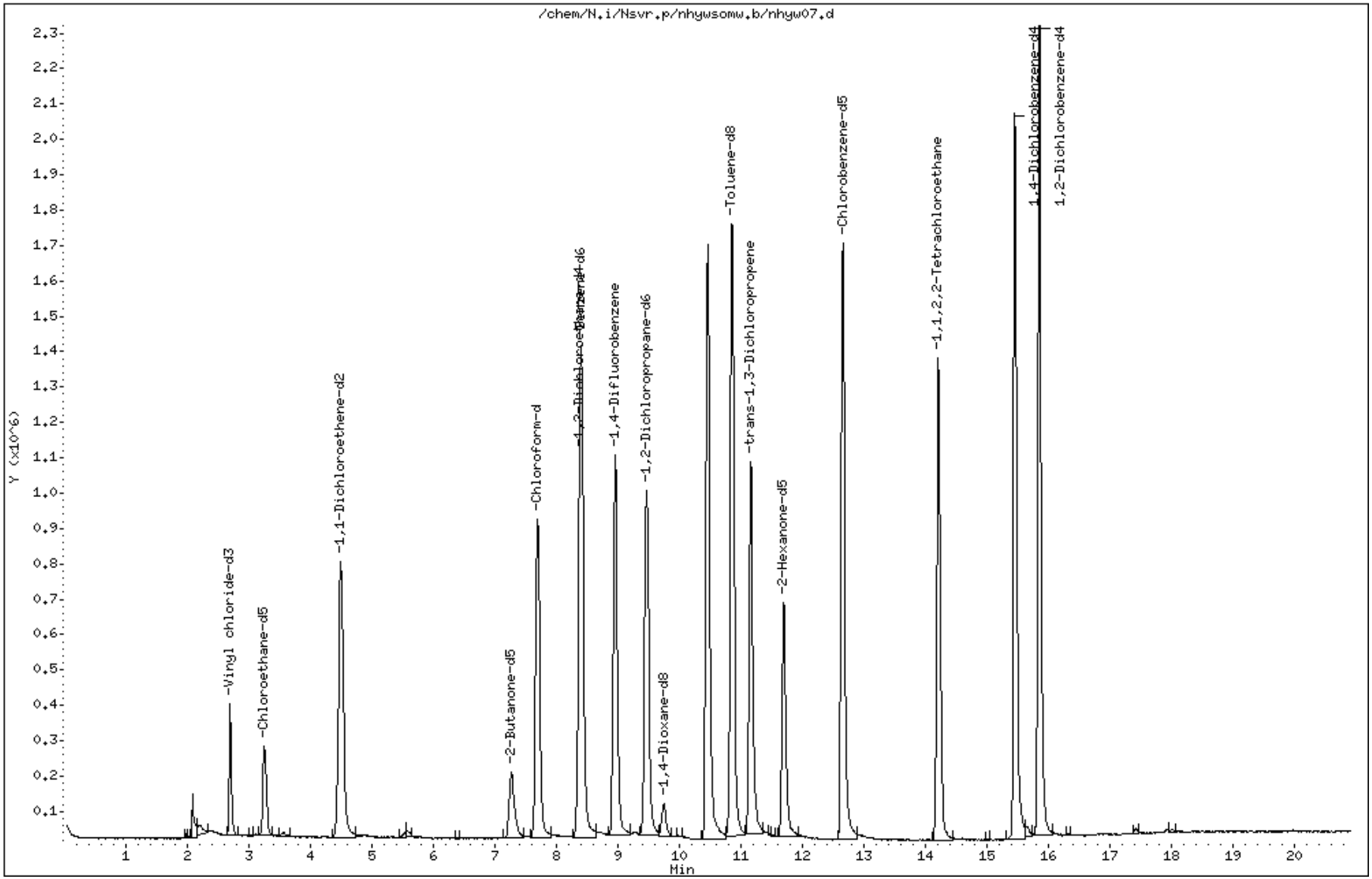
CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.46	77	B X J
02	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw07.d
Date : 31-JUL-2013 12:58
Client ID: VHBLK01
Sample Info: 200-17642-A-8
Purge Volume: 5.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-8
Client Smp ID: VHBLK01
Inj Date : 31-JUL-2013 12:58
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-A-8
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.702	2.727	(0.302)	648224	211.273	42
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.255	3.290	(0.363)	609020	263.372	53
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.499	4.544	(0.502)	1639859	233.383	47
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	4.874	4.929	(0.544)	13623	1.40356	0.28(a)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.273	7.299	(0.812)	600867	549.864	110
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.698	7.733	(0.859)	1843037	274.480	55(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.379	8.414	(0.935)	785456	277.232	55
$	29 Benzene-d6	84	8.409	8.444	(0.664)	2405726	291.952	58
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.997	(1.000)	2060222	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.475	9.510	(0.748)	1255118	248.561	50
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.751	9.796	(1.088)	157709	5169.38	1000
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.867	10.902	(0.858)	2791954	277.157	55
	43 Toluene	91	10.946	10.991	(0.864)	3467	0.32127	0.064(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.163	11.208	(0.881)	1564367	291.808	58
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.696	11.751	(0.924)	681082	551.361	110
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.664	12.709	(1.000)	2268904	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.214	14.269	(1.122)	1912367	280.555	56
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.458	15.513	(1.000)	1193571	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	65 1,2-Dichlorobenzene-d4	152	15.863	15.918	(1.026)	1294916	308.397	62
	66 1,2-Dichlorobenzene	146	Compound Not Detected.					
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
68 1,2,4-Trichlorobenzene	180	17.442	17.487	(1.128)	3876	0.82500	0.17(a)
69 1,2,3-Trichlorobenzene	180	17.926	17.991	(1.160)	4044	0.94767	0.19(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-8
Client Smp ID: VHBLK01
Inj Date : 31-JUL-2013 12:58
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-A-8
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.961	4815906	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.462	7427985	385.596422	77	0		0	32

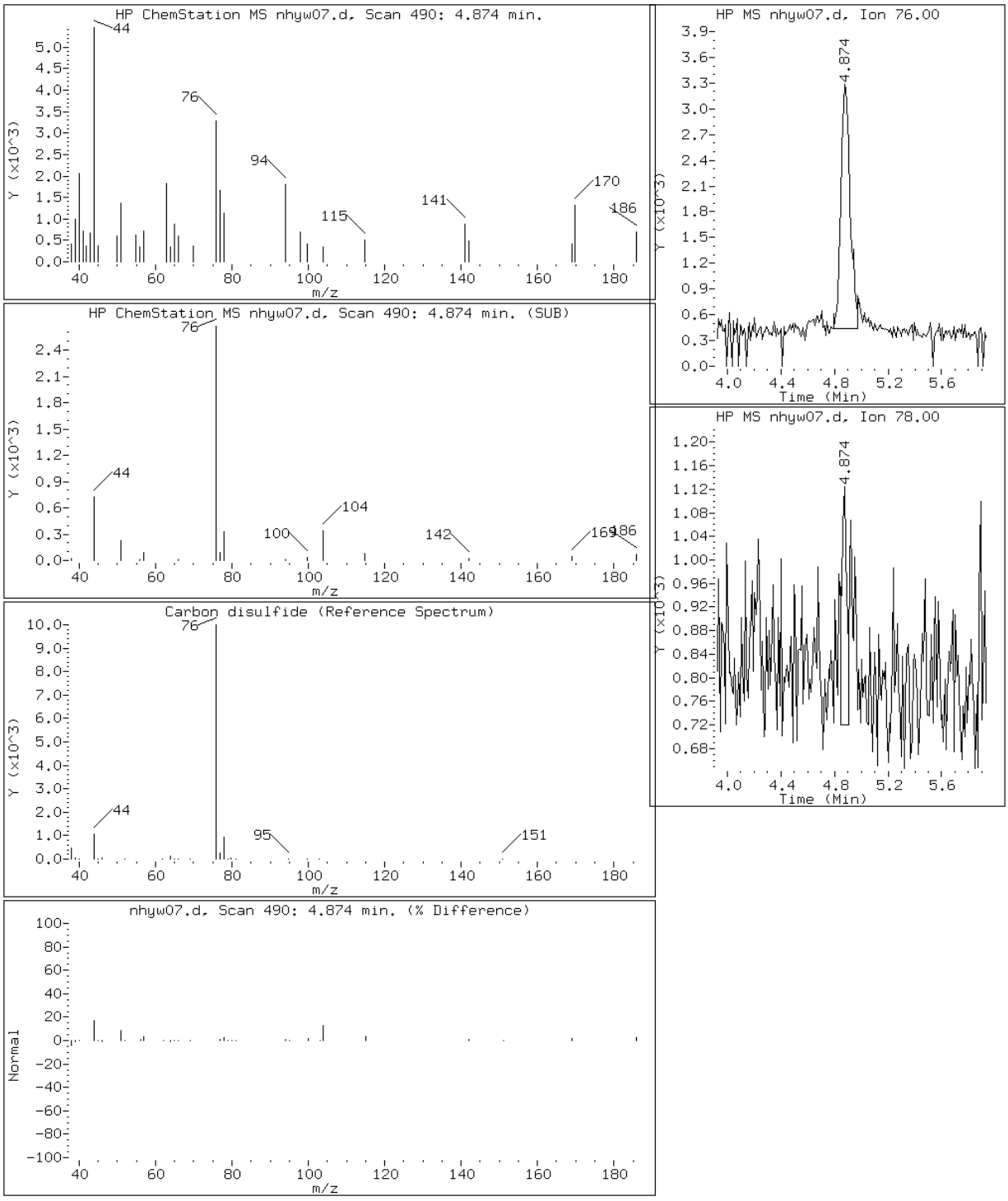
Data File: nhyw07.d

Lab Sample ID: 200-17642-8 Date: 31-JUL-2013 12:58

Client ID: VHBLK01 Instrument: N.i

Sample Info: 200-17642-A-8 Operator: jpd

13 Carbon disulfide



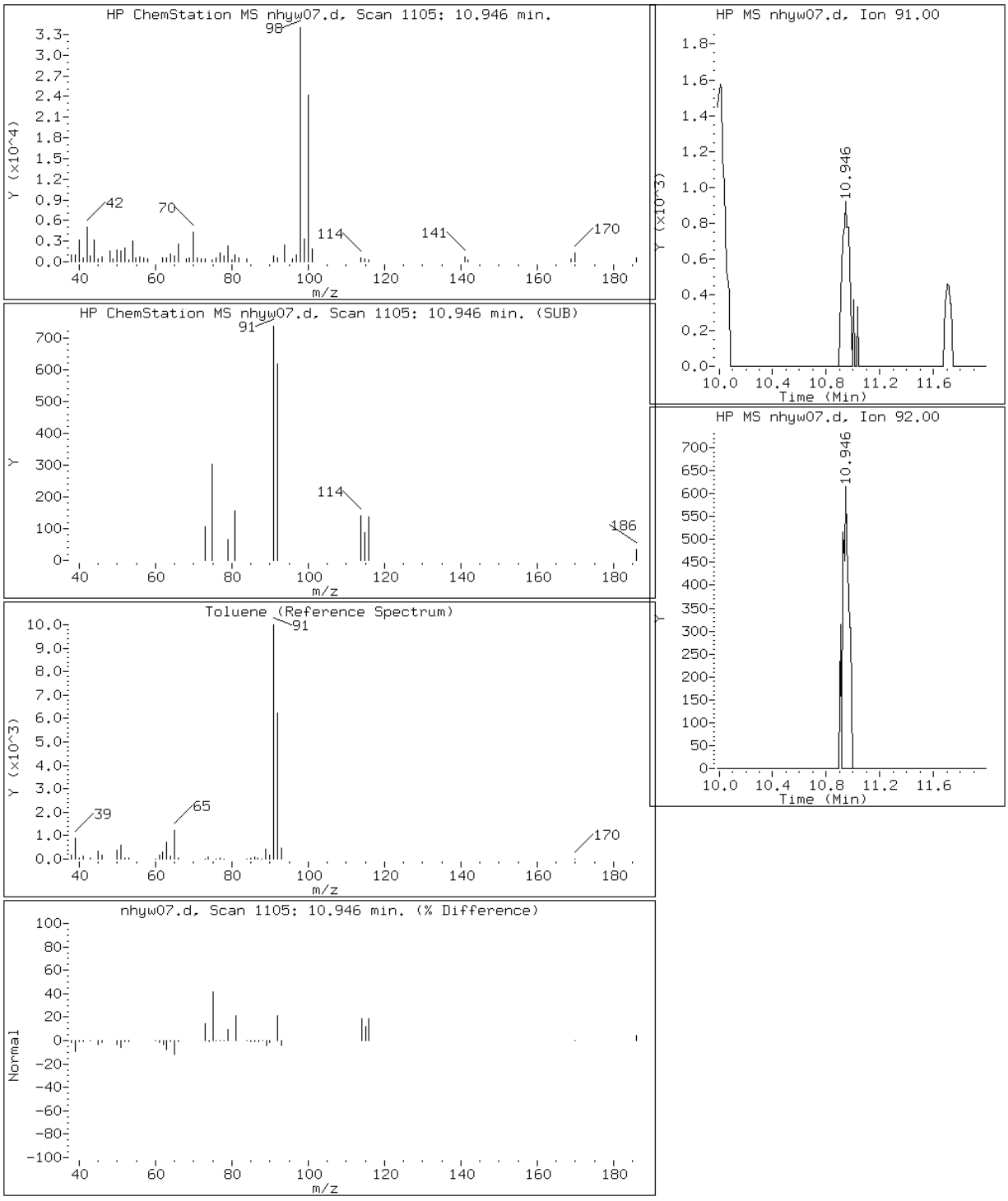
Data File: nhyw07.d

Lab Sample ID: 200-17642-8 Date: 31-JUL-2013 12:58

Client ID: VHBLK01 Instrument: N.i

Sample Info: 200-17642-A-8 Operator: jpd

43 Toluene



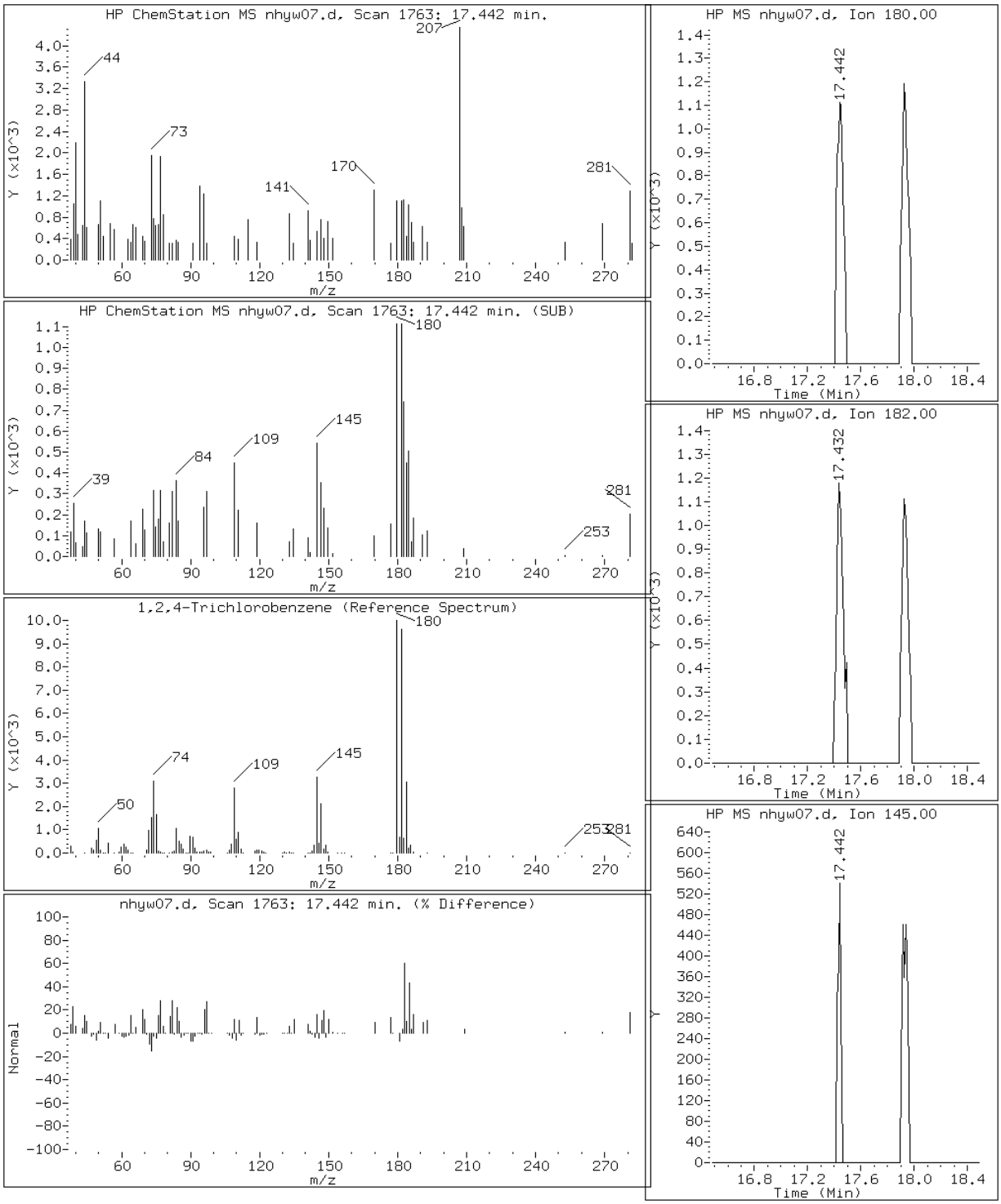
Data File: nhyw07.d

Lab Sample ID: 200-17642-8 Date: 31-JUL-2013 12:58

Client ID: VHBLK01 Instrument: N.i

Sample Info: 200-17642-A-8 Operator: jpd

68 1,2,4-Trichlorobenzene



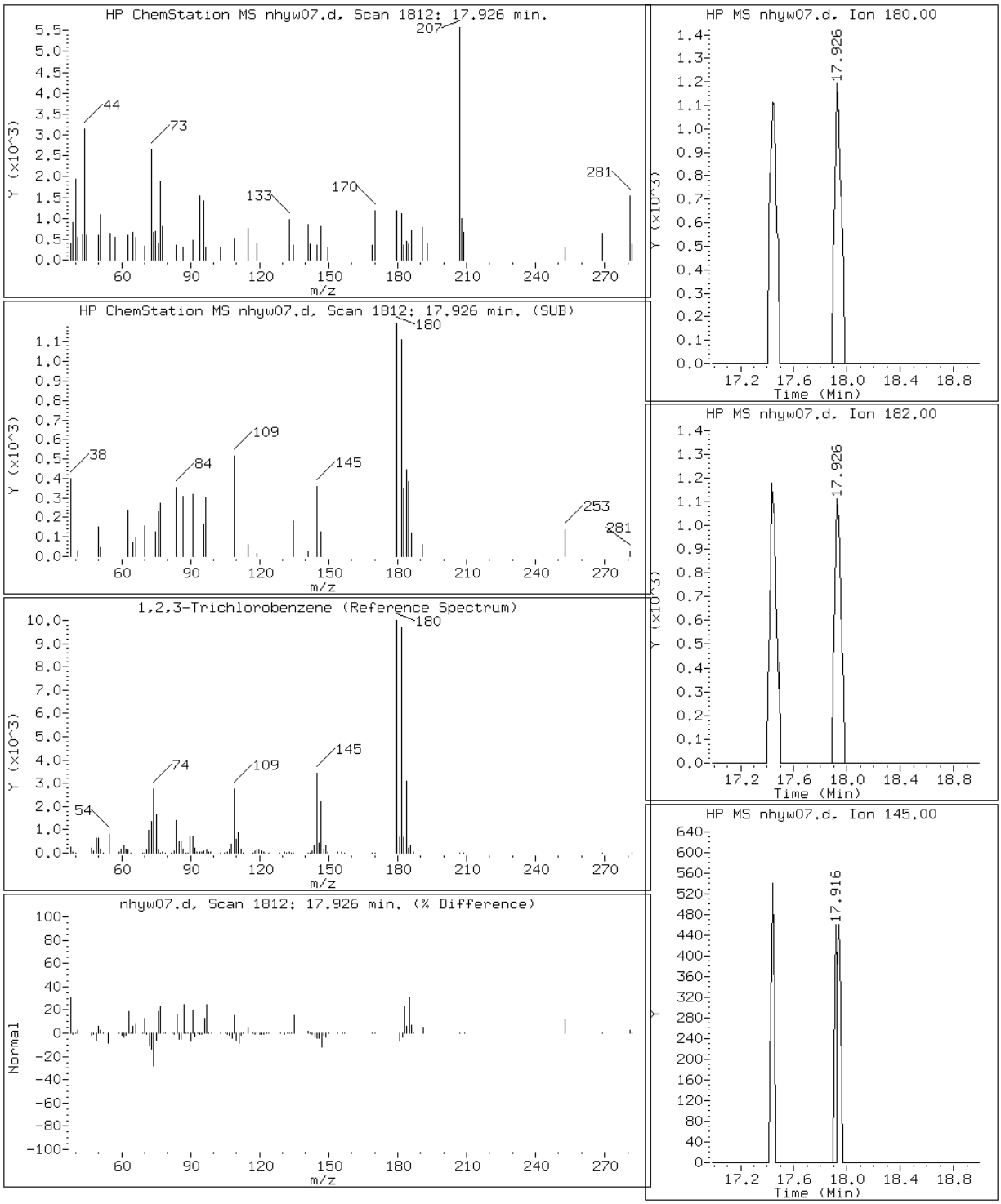
Data File: nhyw07.d

Lab Sample ID: 200-17642-8 Date: 31-JUL-2013 12:58

Client ID: VHBLK01 Instrument: N.i

Sample Info: 200-17642-A-8 Operator: jpd

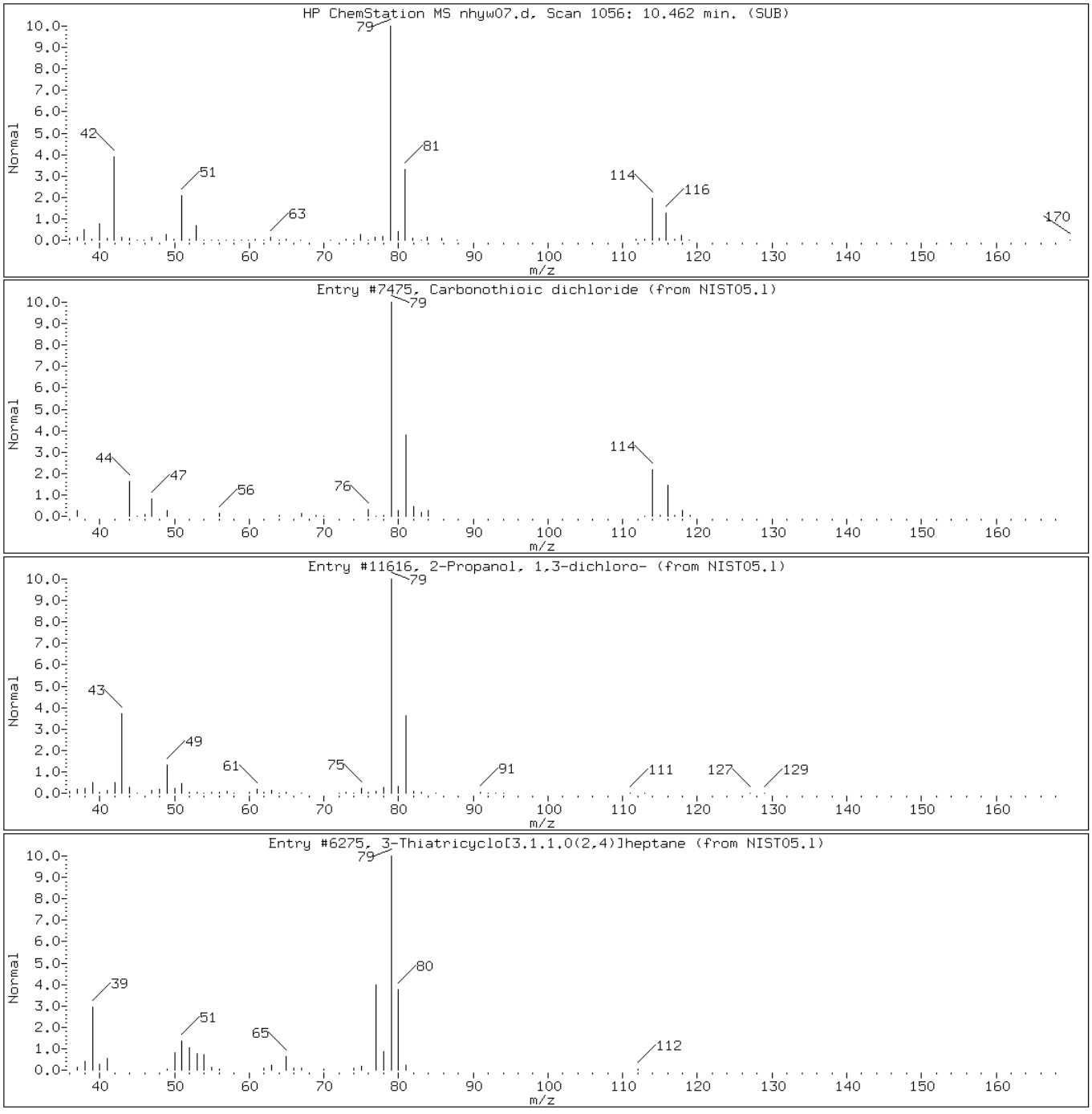
69 1,2,3-Trichlorobenzene



Data File: nhyw07.d
Lab Sample ID: 200-17642-8 Date: 31-JUL-2013 12:58
Client ID: VHBLK01 Instrument: N.i
Sample Info: 200-17642-A-8 Operator: jpd

Retention Time: 10.46

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.l	6275	25	C6H8S	112



EPA SAMPLE NO.
VHBLKLS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-7

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA12.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	0.99	J B
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA SAMPLE NO.
VHBLKLS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-7

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA12.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.13	J B
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLKLS

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-7

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA12.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/26/2013

% Moisture: not dec. Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

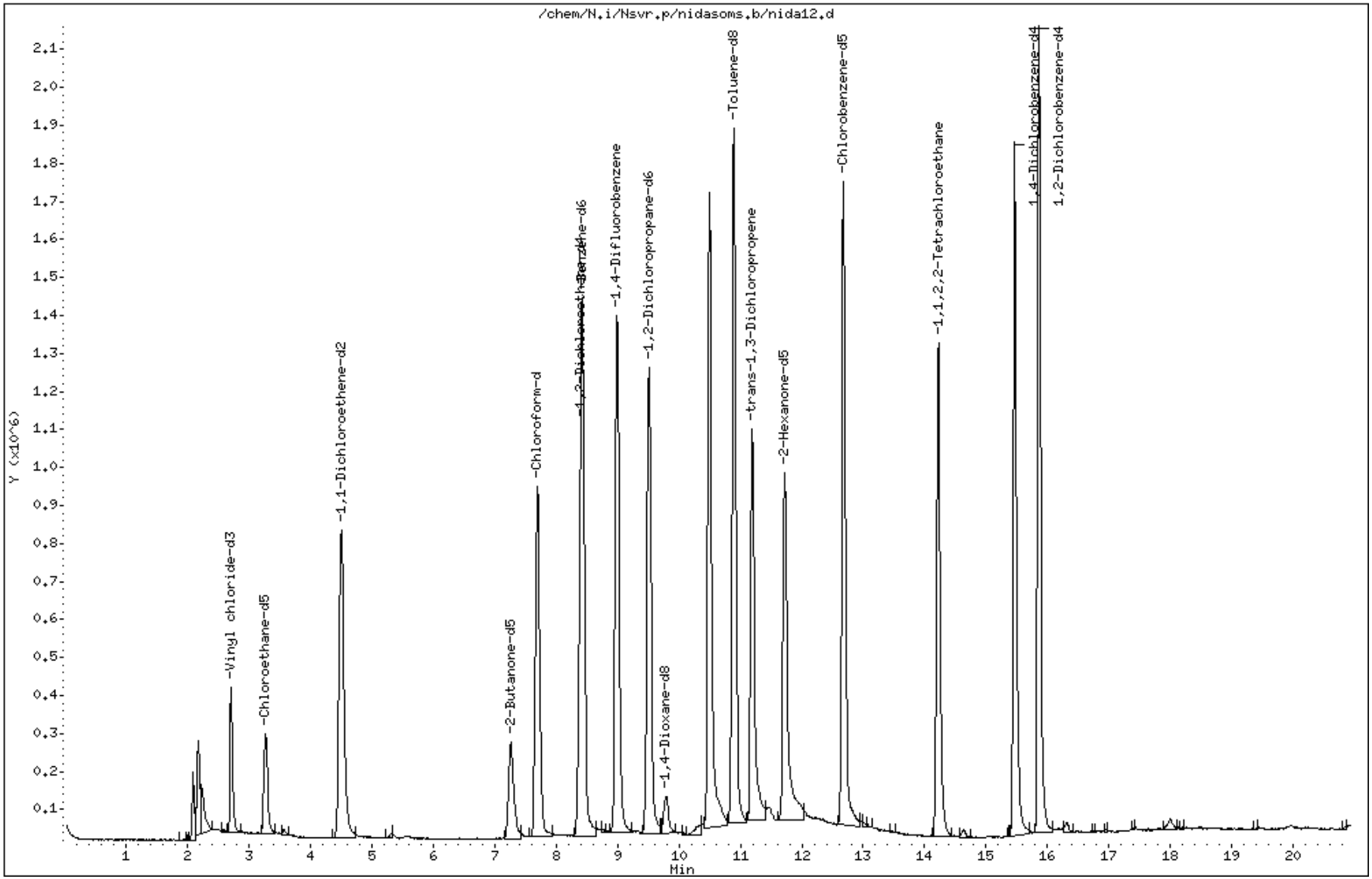
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.50	61	B X J
02	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida12.d
Date : 30-JUL-2013 16:31
Client ID: VHBLKLS
Sample Info: 200-17642-A-7-A
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-7
Client Smp ID: VHBLKLS
Inj Date : 30-JUL-2013 16:31
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-A-7-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.712	2.712	(0.302)	688673	175.537	18
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.275	3.255	(0.364)	648527	229.384	23
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.509	4.509	(0.501)	1726230	208.002	21
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	5.329	5.319	(0.593)	17171	4.94860	0.49(aQ)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.264	7.254	(0.808)	817736	547.861	55
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.698	7.698	(0.856)	1927774	261.772	26(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.399	8.399	(0.934)	763386	267.691	27
$	29 Benzene-d6	84	8.429	8.429	(0.665)	2552499	264.685	26
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.992	9.001	(1.000)	2630738	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.515	9.515	(0.751)	1565353	246.274	25
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.791	9.791	(1.089)	165128	5396.28	540
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.897	10.897	(0.860)	2934170	261.994	26
	43 Toluene	91	10.986	10.976	(0.867)	7297	0.62663	0.063(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.193	11.193	(0.883)	1462522	265.107	27
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.716	11.716	(0.924)	868078	554.465	55
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.674	12.674	(1.000)	2247802	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.214	14.214	(1.122)	1843654	265.955	27
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.468	15.468	(1.000)	1080892	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 65 1,2-Dichlorobenzene-d4	152	15.863	15.863	(1.026)	1193752	248.738	25
66 1,2-Dichlorobenzene	146	Compound Not Detected.					
67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-7
Client Smp ID: VHBLKLS
Inj Date : 30-JUL-2013 16:31
Operator : jpd Inst ID: N.i
Smp Info : 200-17642-A-7-A
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:13 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.992	6205001	250.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.502	7601462	306.263487	31	0		0	32

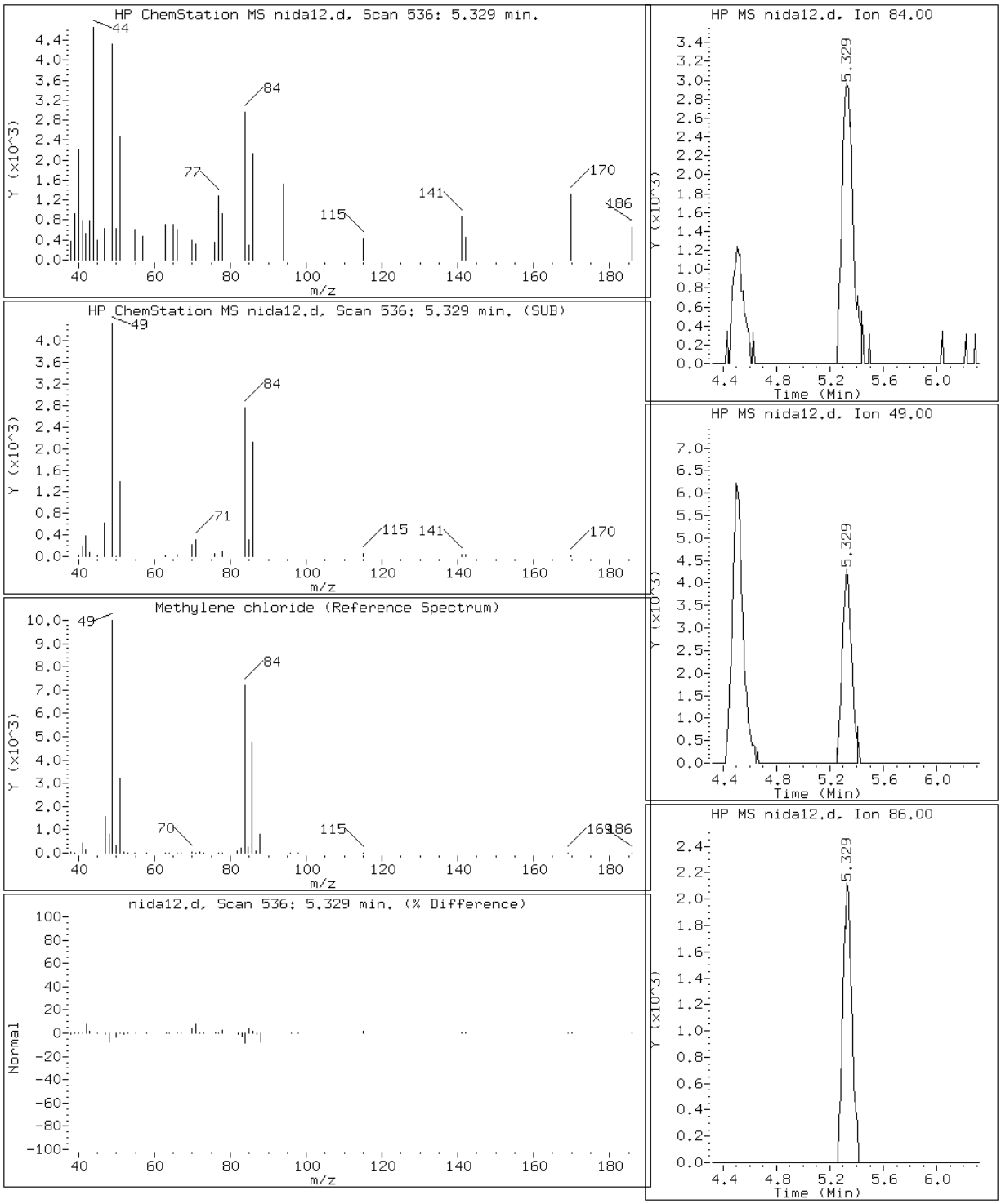
Data File: nida12.d

Lab Sample ID: 200-17642-7 Date: 30-JUL-2013 16:31

Client ID: VHBLKLS Instrument: N.i

Sample Info: 200-17642-A-7-A Operator: jpd

15 Methylene chloride



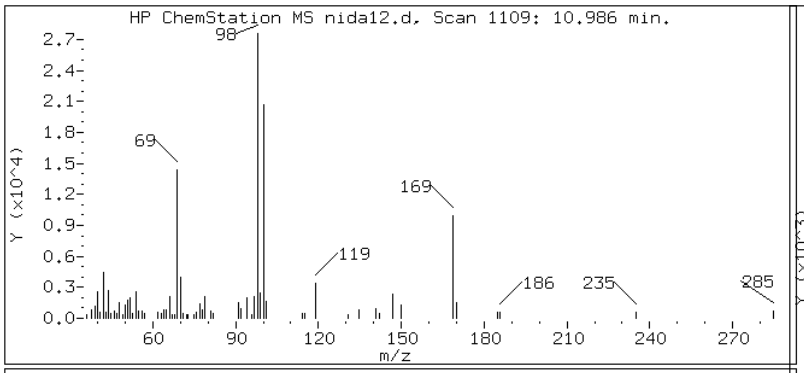
Data File: nida12.d

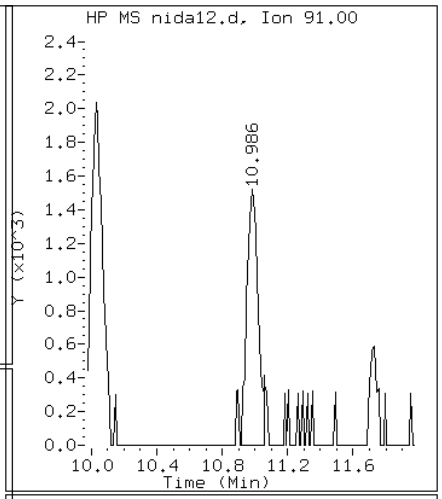
Lab Sample ID: 200-17642-7 Date: 30-JUL-2013 16:31

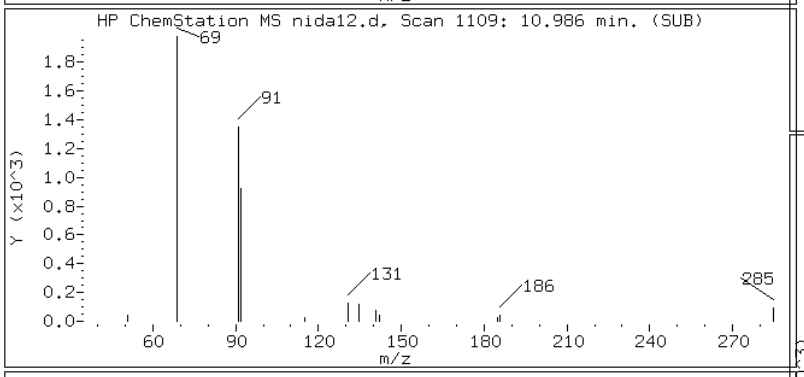
Client ID: VHBLKLS Instrument: N.i

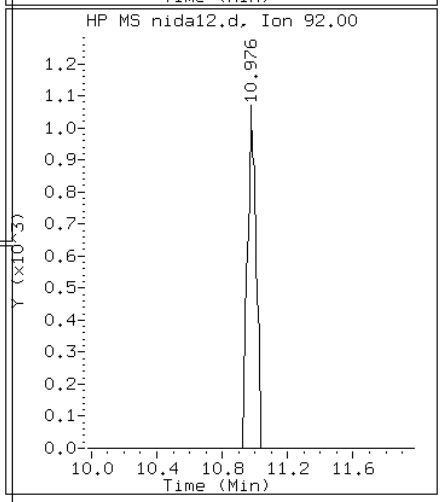
Sample Info: 200-17642-A-7-A Operator: jpd

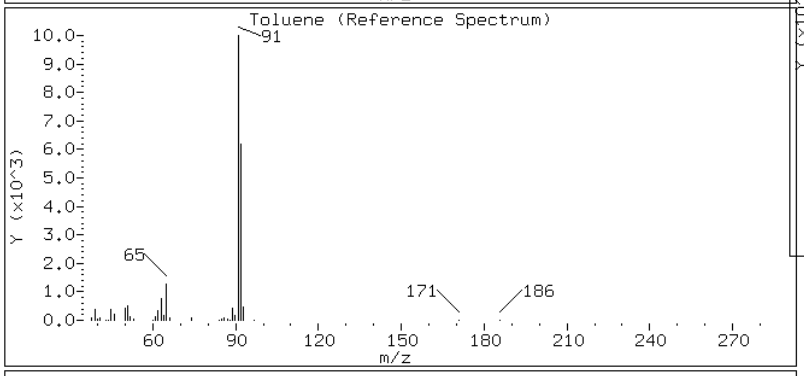
43 Toluene

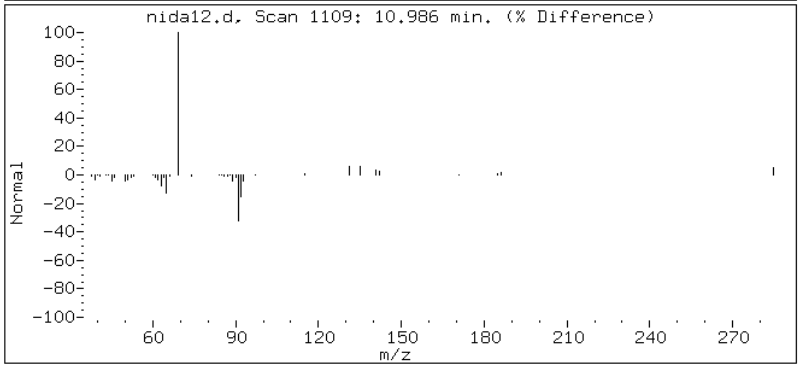








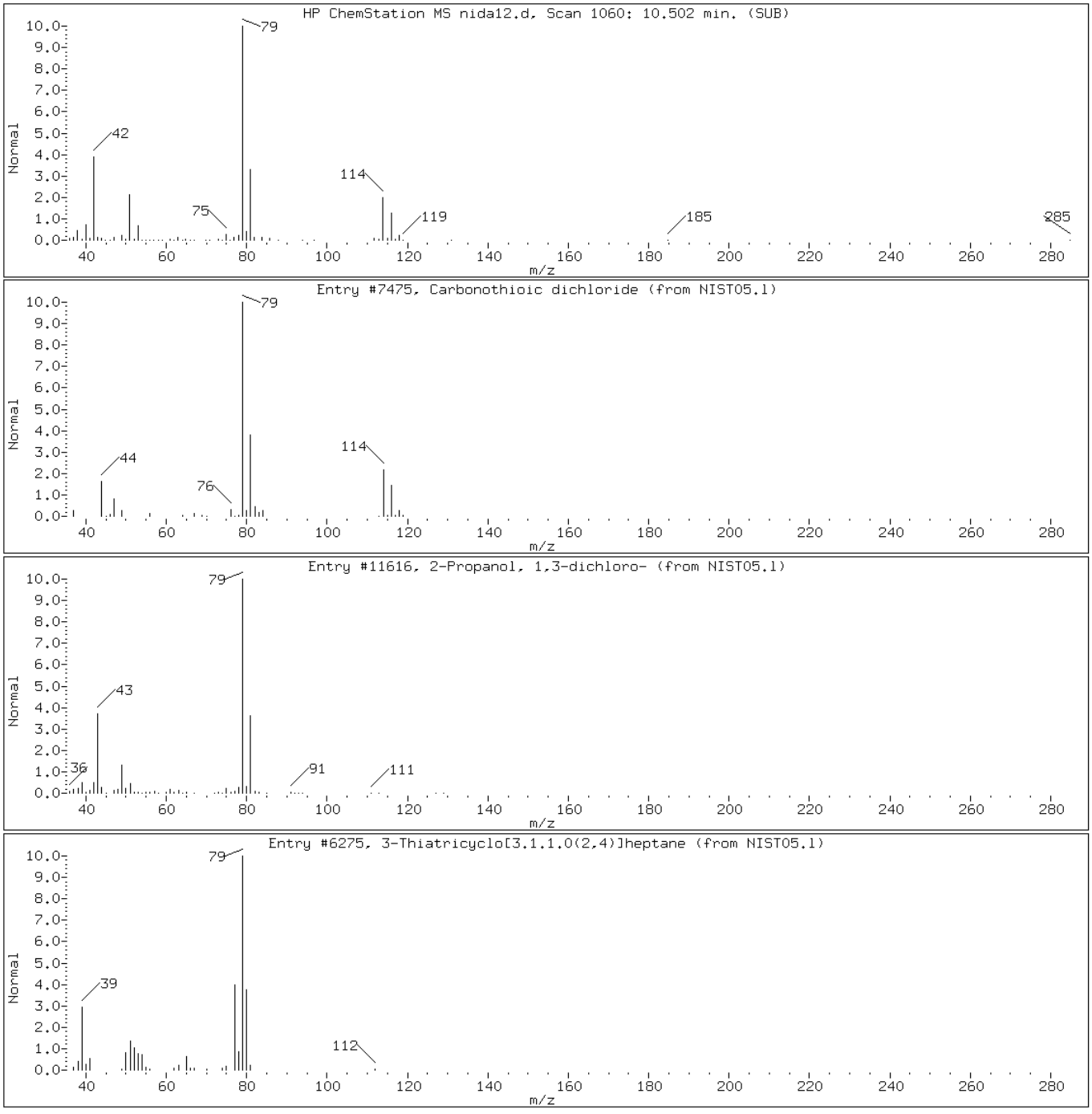




Data File: nida12.d
Lab Sample ID: 200-17642-7 Date: 30-JUL-2013 16:31
Client ID: VHBLKLS Instrument: N.i
Sample Info: 200-17642-A-7-A Operator: jpd

Retention Time: 10.50

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.l	6275	25	C6H8S	112



Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 05/06/2013 05/06/2013

Heated Purge: (Y/N) N Calibration Time(s): 1157 1350

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF5.0 = NHY03.D RRF10 = NHY04.D

RRF50 = NHY05.D RRF100 = NHY06.D RRF200 = NHY07.D

COMPOUND	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.556	0.610	0.584	0.610	0.624	0.597	4.6
Chloromethane	0.345	0.353	0.344	0.363	0.361	0.353	2.5
Vinyl chloride	0.373	0.390	0.370	0.387	0.393	0.383	2.8
Bromomethane	0.328	0.340	0.299	0.306	0.295	0.314	6.3
Chloroethane	0.235	0.253	0.233	0.233	0.164	0.224	15.4
Trichlorofluoromethane	0.716	0.781	0.758	0.797	0.802	0.771	4.5
1,1-Dichloroethene	0.391	0.408	0.385	0.397	0.394	0.395	2.2
1,1,2-Trichloro-1,2,2-trifluoroethane	0.779	0.865	0.816	0.843	0.842	0.829	4.0
Acetone	0.061	0.065	0.056	0.063	0.061	0.061	5.5
Carbon disulfide	1.113	1.204	1.142	1.202	1.229	1.178	4.1
Methyl acetate	0.217	0.237	0.232	0.242	0.245	0.234	4.8
Methylene chloride	0.389	0.425	0.398	0.413	0.421	0.409	3.7
trans-1,2-Dichloroethene	0.400	0.427	0.410	0.430	0.433	0.420	3.4
Methyl tert-butyl ether	0.919	0.958	0.911	0.959	0.965	0.943	2.7
1,1-Dichloroethane	0.732	0.781	0.752	0.784	0.795	0.769	3.4
cis-1,2-Dichloroethene	0.393	0.420	0.395	0.423	0.426	0.411	3.9
2-Butanone	0.118	0.118	0.120	0.127	0.128	0.122	4.1
Bromochloromethane	0.260	0.271	0.264	0.278	0.284	0.272	3.7
Chloroform	0.753	0.809	0.785	0.814	0.824	0.797	3.6
1,1,1-Trichloroethane	0.526	0.569	0.545	0.584	0.598	0.565	5.1
Cyclohexane	0.439	0.459	0.433	0.453	0.455	0.448	2.4
Carbon tetrachloride	0.490	0.546	0.523	0.565	0.579	0.540	6.5
Benzene	0.819	0.872	0.829	0.879	0.890	0.858	3.7
1,2-Dichloroethane	0.360	0.376	0.373	0.394	0.400	0.381	4.3
1,4-Dioxane	0.004	0.004	0.004	0.004	0.004	0.004	6.7
Trichloroethene	0.351	0.378	0.376	0.405	0.400	0.382	5.7
Methylcyclohexane	0.403	0.445	0.417	0.462	0.444	0.434	5.4

Report 1,4-Dioxane for Low-Medium VOA analysis only

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 05/06/2013 05/06/2013

Heated Purge: (Y/N) N Calibration Time(s): 1157 1350

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF5.0 = NHY03.D RRF10 = NHY04.D

RRF50 = NHY05.D RRF100 = NHY06.D RRF200 = NHY07.D

COMPOUND	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.414	0.447	0.414	0.456	0.443	0.435	4.5
Bromodichloromethane	0.763	0.817	0.775	0.838	0.852	0.809	4.8
cis-1,3-Dichloropropene	0.684	0.750	0.700	0.750	0.754	0.728	4.5
4-Methyl-2-pentanone	0.351	0.366	0.348	0.367	0.369	0.360	2.7
Toluene	1.102	1.214	1.159	1.229	1.241	1.189	4.9
trans-1,3-Dichloropropene	0.575	0.623	0.603	0.653	0.652	0.621	5.3
1,1,2-Trichloroethane	0.403	0.432	0.401	0.423	0.427	0.417	3.4
Tetrachloroethene	0.372	0.409	0.389	0.414	0.425	0.402	5.3
2-Hexanone	0.236	0.256	0.242	0.253	0.256	0.249	3.7
Dibromochloromethane	0.668	0.731	0.711	0.752	0.763	0.725	5.2
1,2-Dibromoethane	0.604	0.645	0.621	0.655	0.662	0.638	3.8
Chlorobenzene	0.879	0.953	0.901	0.957	0.979	0.934	4.5
Ethylbenzene	1.346	1.465	1.395	1.482	1.510	1.440	4.7
o-Xylene	0.493	0.551	0.509	0.538	0.541	0.527	4.7
m,p-Xylene	0.482	0.553	0.521	0.566	0.560	0.536	6.5
Styrene	0.828	0.919	0.881	0.943	0.950	0.904	5.6
Bromoform	0.823	0.918	0.878	0.934	0.953	0.901	5.7
Isopropylbenzene	1.398	1.523	1.452	1.537	1.553	1.493	4.4
1,1,2,2-Tetrachloroethane	0.703	0.769	0.719	0.751	0.744	0.737	3.6
1,3-Dichlorobenzene	1.222	1.349	1.326	1.423	1.422	1.348	6.1
1,4-Dichlorobenzene	1.461	1.626	1.504	1.589	1.655	1.567	5.2
1,2-Dichlorobenzene	1.247	1.363	1.303	1.381	1.391	1.337	4.6
1,2-Dibromo-3-chloropropane	0.256	0.263	0.253	0.269	0.270	0.262	2.9
1,2,4-Trichlorobenzene	0.884	0.995	0.958	1.028	1.056	0.984	6.8
1,2,3-Trichlorobenzene	0.821	0.912	0.858	0.927	0.951	0.894	6.0

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 05/06/2013 05/06/2013

Heated Purge: (Y/N) N Calibration Time(s): 1157 1350

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF5.0 = NHY03.D RRF10 = NHY04.D

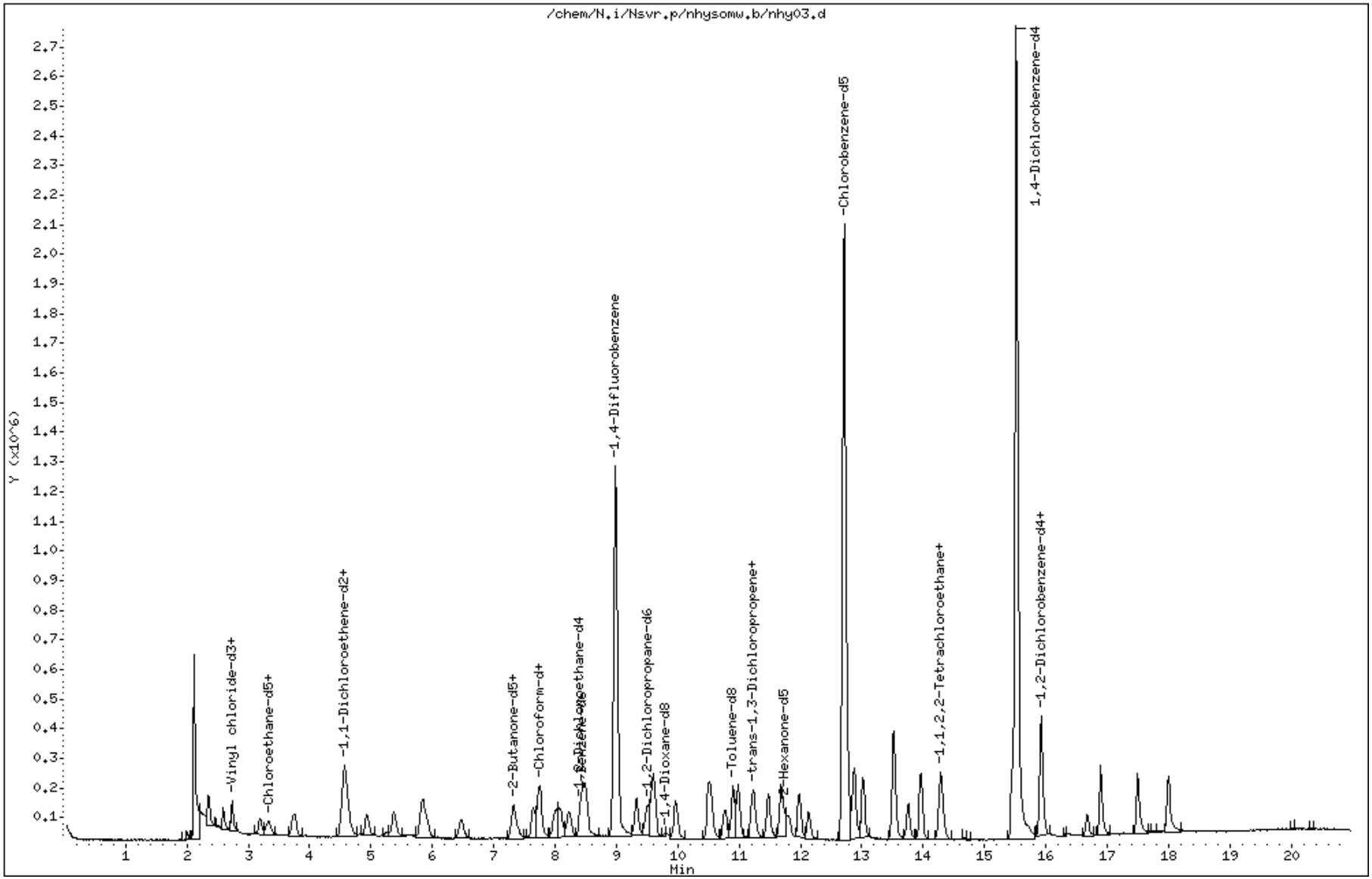
RRF50 = NHY05.D RRF100 = NHY06.D RRF200 = NHY07.D

COMPOUND	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.352	0.375	0.365	0.384	0.386	0.372	3.8
Chloroethane-d5	0.289	0.326	0.298	0.287	0.203	0.281	16.4
1,1-Dichloroethene-d2	0.807	0.882	0.840	0.872	0.862	0.853	3.5
2-Butanone-d5	0.127	0.135	0.130	0.135	0.137	0.133	3.1
Chloroform-d	0.773	0.824	0.799	0.836	0.841	0.815	3.5
1,2-Dichloroethane-d4	0.299	0.354	0.341	0.361	0.365	0.344	7.8
Benzene-d6	0.854	0.921	0.879	0.938	0.948	0.908	4.4
1,2-Dichloropropane-d6	0.472	0.560	0.553	0.602	0.594	0.556	9.3
Toluene-d8	1.042	1.126	1.074	1.148	1.160	1.110	4.5
trans-1,3-Dichloropropene-d4	0.551	0.587	0.578	0.616	0.622	0.591	4.9
2-Hexanone-d5	0.125	0.136	0.135	0.142	0.142	0.136	5.0
1,4-Dioxane-d8	0.004	0.004	0.004	0.004	0.004	0.004	3.9
1,1,2,2-Tetrachloroethane-d2	0.719	0.779	0.733	0.766	0.758	0.751	3.3
1,2-Dichlorobenzene-d4	0.848	0.906	0.848	0.894	0.901	0.879	3.3

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy03.d
Date : 06-MAY-2013 11:57
Client ID: VSTD005NA
Sample Info: IC
Purge Volume: 5.0
Column phase: DB-624

Instrument: N.i
Operator: MTP
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhysomw.b/nhy03.d
Lab Smp Id: IC Client Smp ID: VSTD005NA
Inj Date : 06-MAY-2013 11:57
Operator : MTP Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhysomw.b/somw3t.m
Meth Date : 07-May-2013 11:41 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 11:57 Cal File: nhy03.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Dichlorodifluoromethane	85	2.347	2.352	(0.261)	137768	25.0000	23(a)
2	Chloromethane	50	2.594	2.589	(0.288)	85504	25.0000	24(a)
$ 3	Vinyl chloride-d3	65	2.732	2.727	(0.304)	87304	25.0000	24(a)
4	Vinyl chloride	62	2.742	2.737	(0.305)	92471	25.0000	24(a)
5	Bromomethane	94	3.196	3.172	(0.355)	81298	25.0000	26
$ 6	Chloroethane-d5	69	3.315	3.290	(0.369)	71525	25.0000	26
7	Chloroethane	64	3.354	3.330	(0.373)	58353	25.0000	26
8	Trichlorofluoromethane	101	3.739	3.734	(0.416)	177468	25.0000	23(a)
86	Acrolein	56	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.559	4.544	(0.507)	199965	25.0000	24(a)
10	1,1-Dichloroethene	96	4.569	4.574	(0.508)	96868	25.0000	25
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.598	4.584	(0.511)	193224	25.0000	23(a)
12	Acetone	43	4.697	4.692	(0.522)	30006	50.0000	49(a)
13	Carbon disulfide	76	4.934	4.929	(0.549)	275945	25.0000	24(a)
14	Methyl acetate	43	5.250	5.255	(0.584)	53717	25.0000	23(a)
15	Methylene chloride	84	5.378	5.373	(0.598)	96329	25.0000	24(a)
87	Acrylonitrile	53	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	5.832	5.827	(0.649)	99034	25.0000	24(a)
17	Methyl tert-butyl ether	73	5.882	5.887	(0.654)	227926	25.0000	24(a)

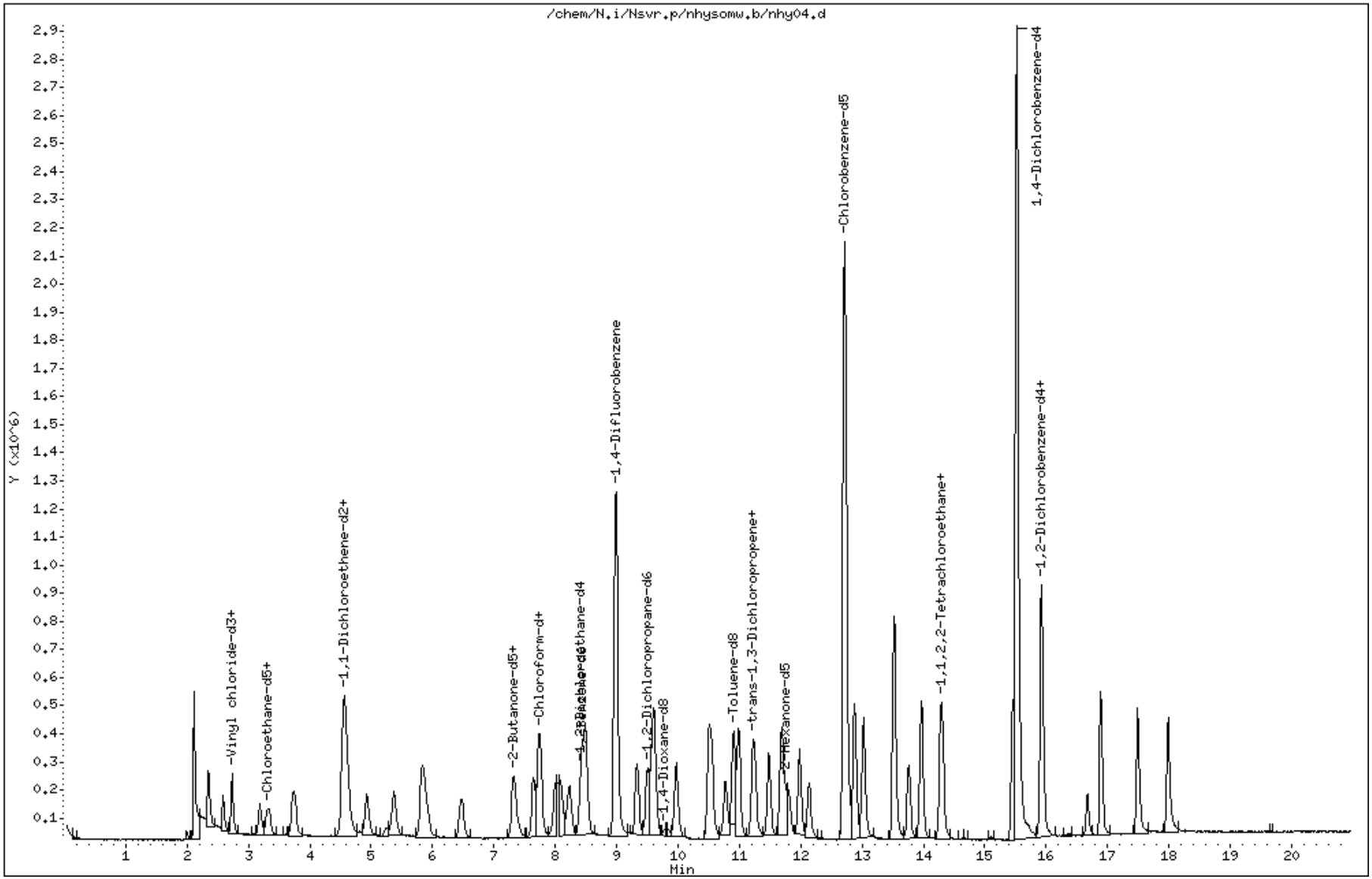
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	18 1,1-Dichloroethane	63	6.474	6.469	(0.720)	181400	25.0000	24(a)
$	19 2-Butanone-d5	46	7.303	7.299	(0.812)	62876	50.0000	48(a)
	20 cis-1,2-Dichloroethene	96	7.323	7.328	(0.814)	97377	25.0000	24(a)
	21 2-Butanone	43	7.392	7.387	(0.822)	58519	50.0000	48(a)
	22 Bromochloromethane	128	7.649	7.644	(0.851)	64355	25.0000	24(a)
$	23 Chloroform-d	84	7.728	7.733	(0.859)	191653	25.0000	24(a)
	24 Chloroform	83	7.758	7.763	(0.863)	186756	25.0000	24(a)
	25 1,1,1-Trichloroethane	97	8.004	8.009	(0.630)	145400	25.0000	23(a)
	26 Cyclohexane	56	8.093	8.088	(0.637)	121354	25.0000	25
	27 Carbon tetrachloride	117	8.231	8.227	(0.647)	135295	25.0000	23(a)
$	28 1,2-Dichloroethane-d4	65	8.409	8.414	(0.935)	74009	25.0000	22(a)
$	29 Benzene-d6	84	8.439	8.444	(0.664)	235782	25.0000	24(a)
	30 Benzene	78	8.498	8.493	(0.668)	226184	25.0000	24(a)
	31 1,2-Dichloroethane	62	8.508	8.513	(0.946)	89167	25.0000	24(a)
*	32 1,4-Difluorobenzene	114	8.992	8.997	(1.000)	2478895	250.000	
	33 Trichloroethene	95	9.327	9.332	(0.734)	96836	25.0000	23(a)
$	34 1,2-Dichloropropane-d6	67	9.505	9.510	(0.748)	130294	25.0000	21(a)
	35 Methylcyclohexane	55	9.584	9.599	(0.754)	111351	25.0000	23(a)
	36 1,2-Dichloropropane	63	9.624	9.619	(0.757)	114388	25.0000	24(a)
$	37 1,4-Dioxane-d8	96	9.781	9.796	(1.088)	19294	500.000	530
	38 1,4-Dioxane	88	9.851	9.856	(1.096)	22241	500.000	560
	39 Bromodichloromethane	83	9.969	9.974	(0.784)	210804	25.0000	24(a)
	40 cis-1,3-Dichloropropene	75	10.552	10.557	(0.830)	189052	25.0000	24(a)
	41 4-Methyl-2-pentanone	43	10.769	10.774	(0.847)	194128	50.0000	49(a)
$	42 Toluene-d8	98	10.897	10.902	(0.857)	287828	25.0000	23(a)
	43 Toluene	91	10.986	10.991	(0.864)	304411	25.0000	23(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.213	11.208	(0.882)	152277	25.0000	23(a)
	45 trans-1,3-Dichloropropene	75	11.243	11.248	(0.884)	158929	25.0000	23(a)
	46 1,1,2-Trichloroethane	97	11.480	11.475	(0.903)	111340	25.0000	24(a)
	47 Tetrachloroethene	164	11.687	11.692	(0.919)	102609	25.0000	23(a)
$	48 2-Hexanone-d5	63	11.746	11.751	(0.924)	69179	50.0000	46(a)
	49 2-Hexanone	43	11.805	11.810	(0.929)	130354	50.0000	47(a)
	50 Dibromochloromethane	129	11.983	11.978	(0.943)	184416	25.0000	23(a)
	51 1,2-Dibromoethane	107	12.131	12.136	(0.954)	166839	25.0000	24(a)
*	52 Chlorobenzene-d5	117	12.714	12.709	(1.000)	2762005	250.000	
	53 Chlorobenzene	112	12.743	12.748	(1.002)	242853	25.0000	24(a)
	54 Ethylbenzene	91	12.882	12.877	(1.013)	371836	25.0000	23(a)
	55 m,p-Xylene	106	13.020	13.025	(1.024)	133189	25.0000	22(a)
	56 o-Xylene	106	13.513	13.518	(1.063)	136203	25.0000	23(a)
	57 Styrene	104	13.523	13.528	(1.064)	228612	25.0000	23(a)
	58 Bromoform	173	13.760	13.755	(0.887)	130004	25.0000	23(a)
	59 Isopropylbenzene	105	13.968	13.963	(1.099)	386252	25.0000	23(a)
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.274	14.269	(1.123)	198692	25.0000	24(a)
	61 1,1,2,2-Tetrachloroethane	83	14.303	14.308	(1.125)	194247	25.0000	24(a)
	62 1,3-Dichlorobenzene	146	15.448	15.453	(0.996)	193012	25.0000	23(a)
*	63 1,4-Dichlorobenzene-d4	152	15.518	15.513	(1.000)	1579387	250.000	(Q)
	64 1,4-Dichlorobenzene	146	15.547	15.542	(1.002)	230716	25.0000	23(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 65 1,2-Dichlorobenzene-d4	152	15.912	15.918	(1.025)	133972	25.0000	24(a)
66 1,2-Dichlorobenzene	146	15.932	15.937	(1.027)	196884	25.0000	23(a)
67 1,2-Dibromo-3-chloropropane	75	16.673	16.668	(1.074)	40414	25.0000	24(a)
85 1,3,5-Trichlorobenzene	180	16.900	16.895	(1.089)	149817	25.0000	23(a)
68 1,2,4-Trichlorobenzene	180	17.502	17.487	(1.128)	139606	25.0000	22(a)
84 Naphthalene	128	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.996	17.991	(1.160)	129650	25.0000	23(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy04.d
Date : 06-MAY-2013 12:25
Client ID: VSTD010NA
Instrument: N.i
Sample Info: IC
Purge Volume: 5.0
Operator: MTP
Column phase: DB-624
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhysomw.b/nhy04.d
Lab Smp Id: IC Client Smp ID: VSTD010NA
Inj Date : 06-MAY-2013 12:25
Operator : MTP Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhysomw.b/somw3t.m
Meth Date : 09-May-2013 11:59 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Dichlorodifluoromethane	85	2.347	2.352	(0.261)	297291	50.0000	51
2	Chloromethane	50	2.594	2.589	(0.288)	171952	50.0000	50
$ 3	Vinyl chloride-d3	65	2.732	2.727	(0.304)	182601	50.0000	50
4	Vinyl chloride	62	2.742	2.737	(0.305)	190079	50.0000	51
5	Bromomethane	94	3.186	3.172	(0.354)	165697	50.0000	54
$ 6	Chloroethane-d5	69	3.305	3.290	(0.368)	158674	50.0000	58
7	Chloroethane	64	3.344	3.330	(0.372)	123165	50.0000	57
8	Trichlorofluoromethane	101	3.739	3.734	(0.416)	380217	50.0000	51
86	Acrolein	56	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.549	4.544	(0.506)	429841	50.0000	52
10	1,1-Dichloroethene	96	4.568	4.574	(0.508)	198776	50.0000	52
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.578	4.584	(0.509)	421497	50.0000	52
12	Acetone	43	4.687	4.692	(0.521)	63522	100.000	110
13	Carbon disulfide	76	4.924	4.929	(0.548)	586316	50.0000	51
14	Methyl acetate	43	5.260	5.255	(0.585)	115247	50.0000	50
15	Methylene chloride	84	5.368	5.373	(0.597)	206973	50.0000	52
87	Acrylonitrile	53	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	5.832	5.827	(0.649)	207772	50.0000	51
17	Methyl tert-butyl ether	73	5.891	5.887	(0.655)	466882	50.0000	51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
	18 1,1-Dichloroethane	63	6.474	6.469	(0.720)	380340	50.0000	51	
$	19 2-Butanone-d5	46	7.303	7.299	(0.812)	131381	100.000	100	
	20 cis-1,2-Dichloroethene	96	7.323	7.328	(0.814)	204715	50.0000	51	
	21 2-Butanone	43	7.382	7.387	(0.821)	115164	100.000	97	
	22 Bromochloromethane	128	7.649	7.644	(0.851)	132185	50.0000	50	
$	23 Chloroform-d	84	7.728	7.733	(0.859)	401487	50.0000	51	
	24 Chloroform	83	7.757	7.763	(0.863)	393863	50.0000	51	
	25 1,1,1-Trichloroethane	97	8.004	8.009	(0.630)	307657	50.0000	50	
	26 Cyclohexane	56	8.093	8.088	(0.637)	248099	50.0000	51	
	27 Carbon tetrachloride	117	8.231	8.227	(0.647)	295085	50.0000	51	
$	28 1,2-Dichloroethane-d4	65	8.409	8.414	(0.935)	172232	50.0000	51	
$	29 Benzene-d6	84	8.439	8.444	(0.664)	497860	50.0000	51	
	30 Benzene	78	8.488	8.493	(0.668)	471438	50.0000	51	
	31 1,2-Dichloroethane	62	8.508	8.513	(0.946)	183202	50.0000	49	
*	32 1,4-Difluorobenzene	114	8.992	8.997	(1.000)	2435534	250.000		
	33 Trichloroethene	95	9.337	9.332	(0.734)	204413	50.0000	50	
$	34 1,2-Dichloropropane-d6	67	9.505	9.510	(0.748)	302928	50.0000	50	
	35 Methylcyclohexane	55	9.594	9.599	(0.755)	240712	50.0000	51	
	36 1,2-Dichloropropane	63	9.613	9.619	(0.756)	241555	50.0000	51	
$	37 1,4-Dioxane-d8	96	9.791	9.796	(1.089)	37238	1000.00	1000	
	38 1,4-Dioxane	88	9.850	9.856	(1.096)	37906	1000.00	970	
	39 Bromodichloromethane	83	9.969	9.974	(0.784)	441671	50.0000	50	
	40 cis-1,3-Dichloropropene	75	10.551	10.557	(0.830)	405292	50.0000	52	
	41 4-Methyl-2-pentanone	43	10.769	10.774	(0.847)	395669	100.000	100	
$	42 Toluene-d8	98	10.907	10.902	(0.858)	608545	50.0000	51	
	43 Toluene	91	10.996	10.991	(0.865)	656225	50.0000	51	
$	44 trans-1,3-Dichloropropene-d4	79	11.213	11.208	(0.882)	317061	50.0000	50	
	45 trans-1,3-Dichloropropene	75	11.252	11.248	(0.885)	336471	50.0000	50	
	46 1,1,2-Trichloroethane	97	11.479	11.475	(0.903)	233682	50.0000	52	
	47 Tetrachloroethene	164	11.687	11.692	(0.919)	221094	50.0000	51	
$	48 2-Hexanone-d5	63	11.756	11.751	(0.925)	147438	100.000	100	
	49 2-Hexanone	43	11.815	11.810	(0.929)	276876	100.000	100	
	50 Dibromochloromethane	129	11.983	11.978	(0.943)	394938	50.0000	50	
	51 1,2-Dibromoethane	107	12.141	12.136	(0.955)	348649	50.0000	51	
*	52 Chlorobenzene-d5	117	12.714	12.709	(1.000)	2702473	250.000		
	53 Chlorobenzene	112	12.753	12.748	(1.003)	514827	50.0000	51	
	54 Ethylbenzene	91	12.881	12.877	(1.013)	791988	50.0000	51	
	55 m,p-Xylene	106	13.029	13.025	(1.025)	299044	50.0000	52	
	56 o-Xylene	106	13.513	13.518	(1.063)	297891	50.0000	52	
	57 Styrene	104	13.533	13.528	(1.064)	496854	50.0000	51	
	58 Bromoform	173	13.760	13.755	(0.887)	284441	50.0000	51	
	59 Isopropylbenzene	105	13.967	13.963	(1.099)	823323	50.0000	51	
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.273	14.269	(1.123)	421226	50.0000	52	
	61 1,1,2,2-Tetrachloroethane	83	14.303	14.308	(1.125)	415760	50.0000	52	
	62 1,3-Dichlorobenzene	146	15.448	15.453	(0.996)	417945	50.0000	50	
*	63 1,4-Dichlorobenzene-d4	152	15.517	15.513	(1.000)	1549053	250.000		(Q)
	64 1,4-Dichlorobenzene	146	15.547	15.542	(1.002)	503770	50.0000	52	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 65 1,2-Dichlorobenzene-d4	152	15.912	15.918	(1.025)	280625	50.0000	51
66 1,2-Dichlorobenzene	146	15.932	15.937	(1.027)	422329	50.0000	51
67 1,2-Dibromo-3-chloropropane	75	16.673	16.668	(1.074)	81421	50.0000	50
85 1,3,5-Trichlorobenzene	180	16.890	16.895	(1.088)	323526	50.0000	51
68 1,2,4-Trichlorobenzene	180	17.492	17.487	(1.127)	308249	50.0000	51
84 Naphthalene	128	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.986	17.991	(1.159)	282642	50.0000	51

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy05.d

Page 1

Date : 06-MAY-2013 12:54

Client ID: VSTD050NA

Instrument: N.i

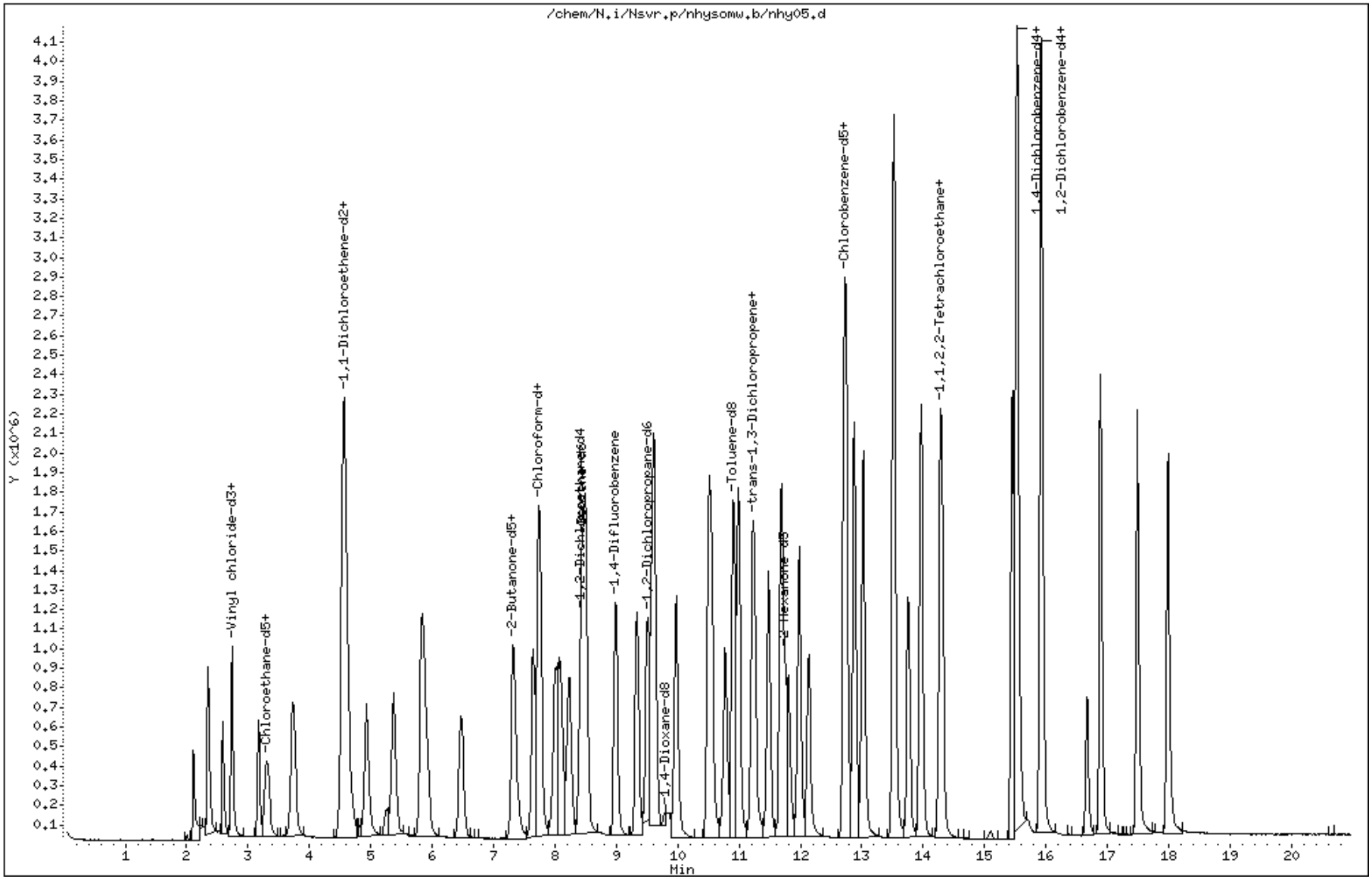
Sample Info: ICIS

Purge Volume: 5.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhysomw.b/nhy05.d
Lab Smp Id: ICIS Client Smp ID: VSTD050NA
Inj Date : 06-MAY-2013 12:54
Operator : MTP Inst ID: N.i
Smp Info : ICIS
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhysomw.b/somw3t.m
Meth Date : 07-May-2013 11:41 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 12:54 Cal File: nhy05.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Dichlorodifluoromethane	85	2.352	2.352	(0.261)	1356586	250.000	240
2	Chloromethane	50	2.589	2.589	(0.288)	799604	250.000	240
$ 3	Vinyl chloride-d3	65	2.727	2.727	(0.303)	847525	250.000	240
4	Vinyl chloride	62	2.737	2.737	(0.304)	859316	250.000	240
5	Bromomethane	94	3.172	3.172	(0.353)	695253	250.000	240
$ 6	Chloroethane-d5	69	3.290	3.290	(0.366)	692955	250.000	270
7	Chloroethane	64	3.330	3.330	(0.370)	542485	250.000	260
8	Trichlorofluoromethane	101	3.734	3.734	(0.415)	1761718	250.000	250
86	Acrolein	56	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.544	4.544	(0.505)	1953031	250.000	250
10	1,1-Dichloroethene	96	4.574	4.574	(0.508)	894852	250.000	240
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.584	4.584	(0.509)	1897705	250.000	250
12	Acetone	43	4.692	4.692	(0.522)	260622	500.000	460
13	Carbon disulfide	76	4.929	4.929	(0.548)	2653773	250.000	240
14	Methyl acetate	43	5.255	5.255	(0.584)	539110	250.000	250
15	Methylene chloride	84	5.373	5.373	(0.597)	926141	250.000	240
87	Acrylonitrile	53	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	5.827	5.827	(0.648)	953605	250.000	240
17	Methyl tert-butyl ether	73	5.887	5.887	(0.654)	2116896	250.000	240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	18 1,1-Dichloroethane	63	6.469	6.469	(0.719)	1748764	250.000	240
$	19 2-Butanone-d5	46	7.299	7.299	(0.811)	604106	500.000	490
	20 cis-1,2-Dichloroethene	96	7.328	7.328	(0.815)	918594	250.000	240
	21 2-Butanone	43	7.387	7.387	(0.821)	559633	500.000	490
	22 Bromochloromethane	128	7.644	7.644	(0.850)	614349	250.000	240
$	23 Chloroform-d	84	7.733	7.733	(0.860)	1857696	250.000	250
	24 Chloroform	83	7.763	7.763	(0.863)	1825020	250.000	250
	25 1,1,1-Trichloroethane	97	8.009	8.009	(0.630)	1415631	250.000	240
	26 Cyclohexane	56	8.088	8.088	(0.636)	1125359	250.000	240
	27 Carbon tetrachloride	117	8.227	8.227	(0.647)	1358459	250.000	240
$	28 1,2-Dichloroethane-d4	65	8.414	8.414	(0.935)	791998	250.000	250
$	29 Benzene-d6	84	8.444	8.444	(0.664)	2282131	250.000	240
	30 Benzene	78	8.493	8.493	(0.668)	2153741	250.000	240
	31 1,2-Dichloroethane	62	8.513	8.513	(0.946)	866748	250.000	240
*	32 1,4-Difluorobenzene	114	8.997	8.997	(1.000)	2324479	250.000	
	33 Trichloroethene	95	9.332	9.332	(0.734)	976632	250.000	250
$	34 1,2-Dichloropropane-d6	67	9.510	9.510	(0.748)	1436455	250.000	250
	35 Methylcyclohexane	55	9.599	9.599	(0.755)	1083127	250.000	240
	36 1,2-Dichloropropane	63	9.619	9.619	(0.757)	1074367	250.000	240
$	37 1,4-Dioxane-d8	96	9.796	9.796	(1.089)	166873	5000.00	4800
	38 1,4-Dioxane	88	9.856	9.856	(1.095)	176399	5000.00	4700
	39 Bromodichloromethane	83	9.974	9.974	(0.785)	2013589	250.000	240
	40 cis-1,3-Dichloropropene	75	10.557	10.557	(0.831)	1819516	250.000	240
	41 4-Methyl-2-pentanone	43	10.774	10.774	(0.848)	1809501	500.000	480
$	42 Toluene-d8	98	10.902	10.902	(0.858)	2790028	250.000	240
	43 Toluene	91	10.991	10.991	(0.865)	3009845	250.000	240
$	44 trans-1,3-Dichloropropene-d4	79	11.208	11.208	(0.882)	1500346	250.000	240
	45 trans-1,3-Dichloropropene	75	11.248	11.248	(0.885)	1566521	250.000	240
	46 1,1,2-Trichloroethane	97	11.475	11.475	(0.903)	1041713	250.000	240
	47 Tetrachloroethene	164	11.692	11.692	(0.920)	1010428	250.000	240
$	48 2-Hexanone-d5	63	11.751	11.751	(0.925)	703307	500.000	500
	49 2-Hexanone	43	11.810	11.810	(0.929)	1256334	500.000	490
	50 Dibromochloromethane	129	11.978	11.978	(0.942)	1847080	250.000	250
	51 1,2-Dibromoethane	107	12.136	12.136	(0.955)	1613948	250.000	240
*	52 Chlorobenzene-d5	117	12.709	12.709	(1.000)	2597488	250.000	
	53 Chlorobenzene	112	12.748	12.748	(1.003)	2339100	250.000	240
	54 Ethylbenzene	91	12.877	12.877	(1.013)	3623349	250.000	240
	55 m,p-Xylene	106	13.025	13.025	(1.025)	1352001	250.000	240
	56 o-Xylene	106	13.518	13.518	(1.064)	1321179	250.000	240
	57 Styrene	104	13.528	13.528	(1.064)	2287716	250.000	240
	58 Bromoform	173	13.755	13.755	(0.887)	1328564	250.000	240
	59 Isopropylbenzene	105	13.963	13.963	(1.099)	3770666	250.000	240
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.269	14.269	(1.123)	1902863	250.000	240
	61 1,1,2,2-Tetrachloroethane	83	14.308	14.308	(1.126)	1866543	250.000	240
	62 1,3-Dichlorobenzene	146	15.453	15.453	(0.996)	2005939	250.000	250
*	63 1,4-Dichlorobenzene-d4	152	15.513	15.513	(1.000)	1513035	250.000	
	64 1,4-Dichlorobenzene	146	15.542	15.542	(1.002)	2275629	250.000	240

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 65 1,2-Dichlorobenzene-d4	152	15.918	15.918	(1.026)	1283761	250.000	240
66 1,2-Dichlorobenzene	146	15.937	15.937	(1.027)	1972101	250.000	240
67 1,2-Dibromo-3-chloropropane	75	16.668	16.668	(1.074)	383447	250.000	240
85 1,3,5-Trichlorobenzene	180	16.895	16.895	(1.089)	1516475	250.000	240
68 1,2,4-Trichlorobenzene	180	17.487	17.487	(1.127)	1449010	250.000	240
84 Naphthalene	128	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.991	17.991	(1.160)	1298206	250.000	240

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy06.d

Page 1

Date : 06-MAY-2013 13:22

Client ID: VSTD100NA

Instrument: N.i

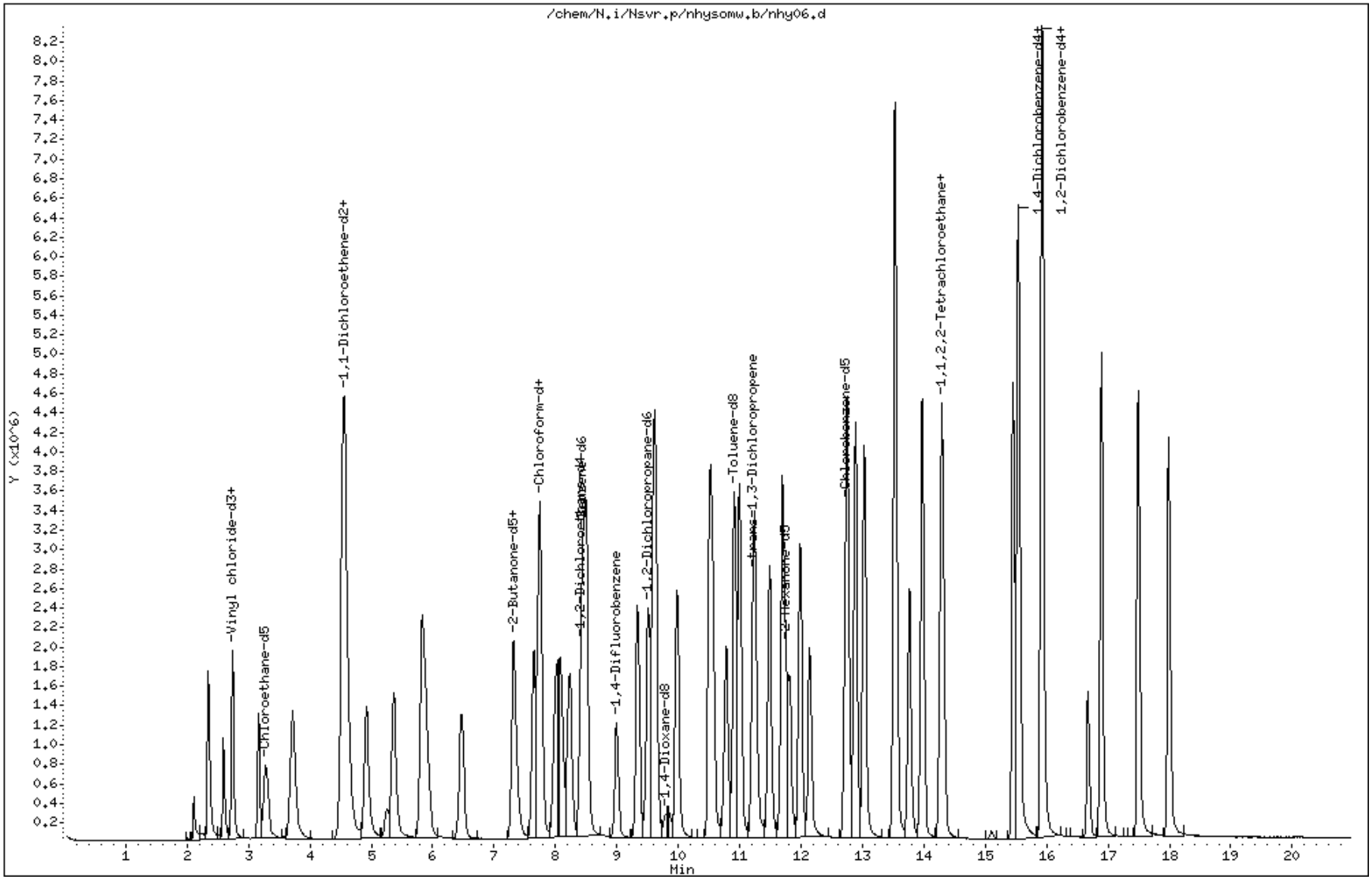
Sample Info: IC

Purge Volume: 5.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.53



08/30/2013

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhysomw.b/nhy06.d
Lab Smp Id: IC Client Smp ID: VSTD100NA
Inj Date : 06-MAY-2013 13:22
Operator : MTP Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhysomw.b/somw3t.m
Meth Date : 07-May-2013 11:41 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 13:22 Cal File: nhy06.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Dichlorodifluoromethane	85	2.347	2.352	(0.261)	2778498	500.000	510
2	Chloromethane	50	2.594	2.589	(0.288)	1650924	500.000	510
$ 3	Vinyl chloride-d3	65	2.732	2.727	(0.304)	1746765	500.000	520
4	Vinyl chloride	62	2.742	2.737	(0.305)	1761825	500.000	510
5	Bromomethane	94	3.167	3.172	(0.352)	1390634	500.000	490
$ 6	Chloroethane-d5	69	3.265	3.290	(0.363)	1307623	500.000	510
7	Chloroethane	64	3.305	3.330	(0.368)	1059326	500.000	520
8	Trichlorofluoromethane	101	3.720	3.734	(0.414)	3625825	500.000	520
86	Acrolein	56	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.539	4.544	(0.505)	3970047	500.000	510
10	1,1-Dichloroethene	96	4.559	4.574	(0.507)	1807129	500.000	500
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.578	4.584	(0.509)	3835788	500.000	510
12	Acetone	43	4.697	4.692	(0.522)	570055	1000.00	1000
13	Carbon disulfide	76	4.924	4.929	(0.548)	5469221	500.000	510
14	Methyl acetate	43	5.260	5.255	(0.585)	1100284	500.000	520
15	Methylene chloride	84	5.368	5.373	(0.597)	1877800	500.000	500
87	Acrylonitrile	53	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	5.822	5.827	(0.648)	1957831	500.000	510
17	Methyl tert-butyl ether	73	5.892	5.887	(0.655)	4366791	500.000	510

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	18 1,1-Dichloroethane	63	6.474	6.469	(0.720)	3566679	500.000	510
$	19 2-Butanone-d5	46	7.303	7.299	(0.812)	1225340	1000.00	1000
	20 cis-1,2-Dichloroethene	96	7.323	7.328	(0.814)	1924093	500.000	510
	21 2-Butanone	43	7.392	7.387	(0.822)	1159292	1000.00	1000
	22 Bromochloromethane	128	7.649	7.644	(0.851)	1267140	500.000	510
$	23 Chloroform-d	84	7.728	7.733	(0.859)	3805807	500.000	510
	24 Chloroform	83	7.758	7.763	(0.863)	3704822	500.000	510
	25 1,1,1-Trichloroethane	97	8.004	8.009	(0.629)	2917313	500.000	520
	26 Cyclohexane	56	8.083	8.088	(0.635)	2262106	500.000	510
	27 Carbon tetrachloride	117	8.231	8.227	(0.647)	2821296	500.000	520
$	28 1,2-Dichloroethane-d4	65	8.409	8.414	(0.935)	1645067	500.000	530
$	29 Benzene-d6	84	8.449	8.444	(0.664)	4689778	500.000	520
	30 Benzene	78	8.498	8.493	(0.668)	4394484	500.000	510
	31 1,2-Dichloroethane	62	8.508	8.513	(0.946)	1795250	500.000	520
*	32 1,4-Difluorobenzene	114	8.992	8.997	(1.000)	2275659	250.000	
	33 Trichloroethene	95	9.337	9.332	(0.734)	2021930	500.000	530
$	34 1,2-Dichloropropane-d6	67	9.505	9.510	(0.747)	3010770	500.000	540
	35 Methylcyclohexane	55	9.604	9.599	(0.755)	2307009	500.000	530
	36 1,2-Dichloropropane	63	9.624	9.619	(0.756)	2277653	500.000	520
$	37 1,4-Dioxane-d8	96	9.801	9.796	(1.090)	330823	10000.0	9800
	38 1,4-Dioxane	88	9.870	9.856	(1.098)	361734	10000.0	9900
	39 Bromodichloromethane	83	9.979	9.974	(0.784)	4188491	500.000	520
	40 cis-1,3-Dichloropropene	75	10.561	10.557	(0.830)	3746606	500.000	520
	41 4-Methyl-2-pentanone	43	10.779	10.774	(0.847)	3663331	1000.00	1000
$	42 Toluene-d8	98	10.917	10.902	(0.858)	5735230	500.000	520
	43 Toluene	91	10.996	10.991	(0.864)	6143686	500.000	520
$	44 trans-1,3-Dichloropropene-d4	79	11.213	11.208	(0.881)	3076200	500.000	520
	45 trans-1,3-Dichloropropene	75	11.253	11.248	(0.884)	3261035	500.000	530
	46 1,1,2-Trichloroethane	97	11.489	11.475	(0.903)	2114580	500.000	510
	47 Tetrachloroethene	164	11.697	11.692	(0.919)	2067295	500.000	510
$	48 2-Hexanone-d5	63	11.756	11.751	(0.924)	1419372	1000.00	1000
	49 2-Hexanone	43	11.815	11.810	(0.929)	2531353	1000.00	1000
	50 Dibromochloromethane	129	11.983	11.978	(0.942)	3759686	500.000	520
	51 1,2-Dibromoethane	107	12.141	12.136	(0.954)	3274030	500.000	510
*	52 Chlorobenzene-d5	117	12.724	12.709	(1.000)	2498635	250.000	
	53 Chlorobenzene	112	12.753	12.748	(1.002)	4780039	500.000	510
	54 Ethylbenzene	91	12.882	12.877	(1.012)	7404042	500.000	510
	55 m,p-Xylene	106	13.030	13.025	(1.024)	2829919	500.000	530
	56 o-Xylene	106	13.523	13.518	(1.063)	2690617	500.000	510
	57 Styrene	104	13.533	13.528	(1.064)	4711258	500.000	520
	58 Bromoform	173	13.770	13.755	(0.887)	2737025	500.000	520
	59 Isopropylbenzene	105	13.977	13.963	(1.099)	7682270	500.000	510
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.274	14.269	(1.122)	3826153	500.000	510
	61 1,1,2,2-Tetrachloroethane	83	14.313	14.308	(1.125)	3750564	500.000	510
	62 1,3-Dichlorobenzene	146	15.458	15.453	(0.996)	4170902	500.000	530
*	63 1,4-Dichlorobenzene-d4	152	15.518	15.513	(1.000)	1465462	250.000	
	64 1,4-Dichlorobenzene	146	15.547	15.542	(1.002)	4657533	500.000	510

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 65 1,2-Dichlorobenzene-d4	152	15.912	15.918	(1.025)	2620166	500.000	510
66 1,2-Dichlorobenzene	146	15.932	15.937	(1.027)	4047999	500.000	520
67 1,2-Dibromo-3-chloropropane	75	16.673	16.668	(1.074)	789456	500.000	510
85 1,3,5-Trichlorobenzene	180	16.890	16.895	(1.088)	3112645	500.000	520
68 1,2,4-Trichlorobenzene	180	17.492	17.487	(1.127)	3012515	500.000	520
84 Naphthalene	128	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.986	17.991	(1.159)	2715784	500.000	520

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy07.d

Date : 06-MAY-2013 13:50

Client ID: VSTD200NA

Sample Info: IC

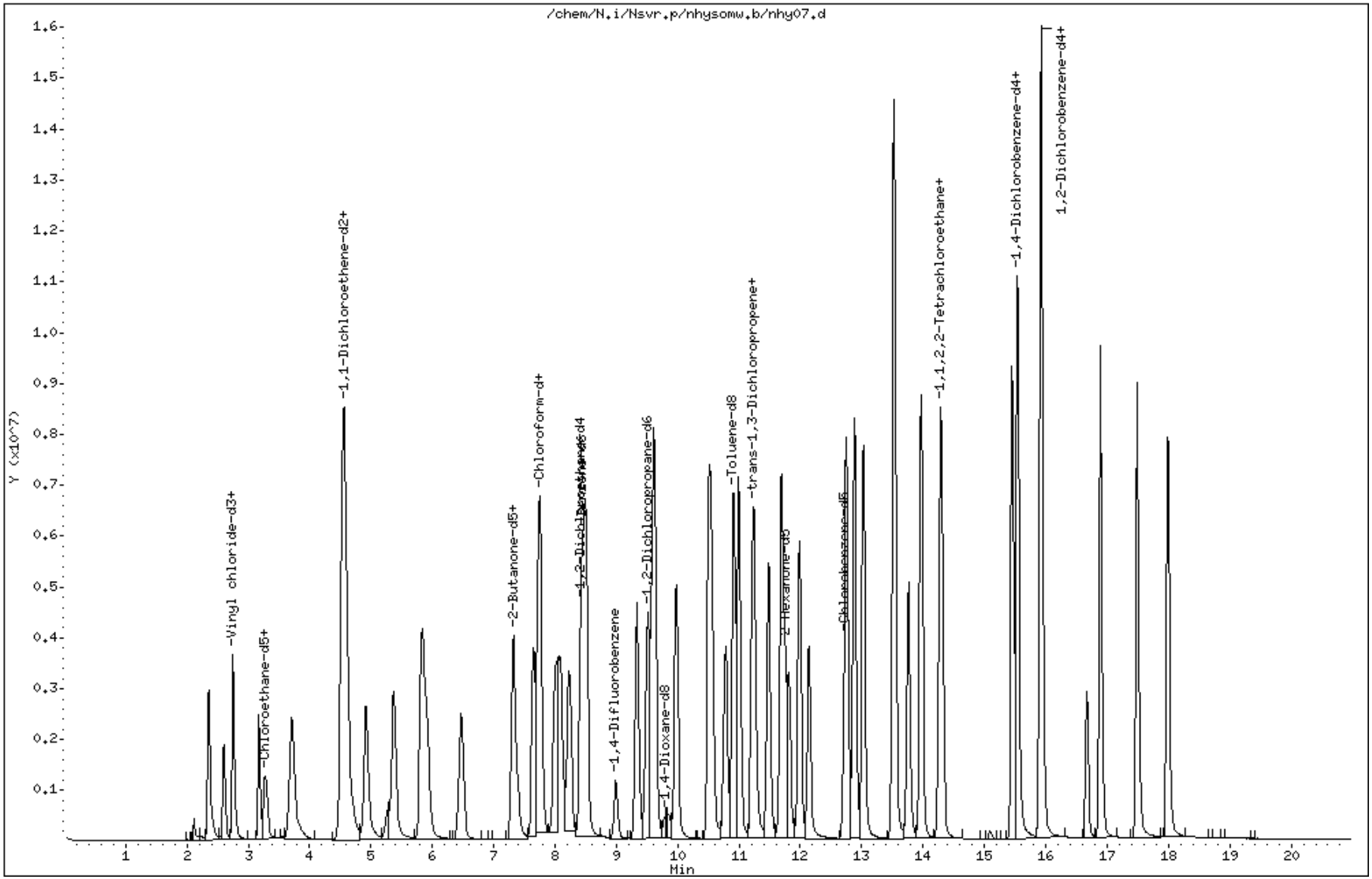
Purge Volume: 5.0

Column phase: DB-624

Instrument: N.i

Operator: MTP

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhysomw.b/nhy07.d
Lab Smp Id: IC Client Smp ID: VSTD200NA
Inj Date : 06-MAY-2013 13:50
Operator : MTP Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhysomw.b/somw3t.m
Meth Date : 07-May-2013 11:41 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 13:50 Cal File: nhy07.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Dichlorodifluoromethane	85	2.358	2.352	(0.262)	5492853	1000.00	1000(A)
2	Chloromethane	50	2.605	2.589	(0.290)	3176321	1000.00	1000(A)
$ 3	Vinyl chloride-d3	65	2.743	2.727	(0.305)	3399212	1000.00	1000(A)
4	Vinyl chloride	62	2.753	2.737	(0.306)	3460295	1000.00	1000(A)
5	Bromomethane	94	3.177	3.172	(0.353)	2596183	1000.00	940
$ 6	Chloroethane-d5	69	3.266	3.290	(0.363)	1789829	1000.00	720
7	Chloroethane	64	3.296	3.330	(0.366)	1441719	1000.00	730
8	Trichlorofluoromethane	101	3.710	3.734	(0.413)	7060321	1000.00	1000(A)
86	Acrolein	56	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.540	4.544	(0.505)	7585444	1000.00	1000(A)
10	1,1-Dichloroethene	96	4.559	4.574	(0.507)	3467687	1000.00	1000
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.569	4.584	(0.508)	7415210	1000.00	1000(A)
12	Acetone	43	4.727	4.692	(0.526)	1079290	2000.00	2000(A)
13	Carbon disulfide	76	4.915	4.929	(0.547)	10818012	1000.00	1000(A)
14	Methyl acetate	43	5.270	5.255	(0.586)	2159946	1000.00	1000(A)
15	Methylene chloride	84	5.369	5.373	(0.597)	3704025	1000.00	1000(A)
87	Acrylonitrile	53	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	5.823	5.827	(0.648)	3812411	1000.00	1000(A)
17	Methyl tert-butyl ether	73	5.892	5.887	(0.655)	8494689	1000.00	1000(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	18 1,1-Dichloroethane	63	6.475	6.469	(0.720)	7002694	1000.00	1000(A)
$	19 2-Butanone-d5	46	7.314	7.299	(0.813)	2408222	2000.00	2100(A)
	20 cis-1,2-Dichloroethene	96	7.324	7.328	(0.814)	3754043	1000.00	1000(A)
	21 2-Butanone	43	7.403	7.387	(0.823)	2261166	2000.00	2100(A)
	22 Bromochloromethane	128	7.650	7.644	(0.851)	2504726	1000.00	1000(A)
$	23 Chloroform-d	84	7.738	7.733	(0.861)	7406202	1000.00	1000(A)
	24 Chloroform	83	7.758	7.763	(0.863)	7256122	1000.00	1000(A)
	25 1,1,1-Trichloroethane	97	8.005	8.009	(0.630)	5718227	1000.00	1100(A)
	26 Cyclohexane	56	8.094	8.088	(0.637)	4344973	1000.00	1000(A)
	27 Carbon tetrachloride	117	8.232	8.227	(0.647)	5533033	1000.00	1100(A)
$	28 1,2-Dichloroethane-d4	65	8.420	8.414	(0.936)	3210719	1000.00	1100(A)
$	29 Benzene-d6	84	8.449	8.444	(0.665)	9060848	1000.00	1000(A)
	30 Benzene	78	8.499	8.493	(0.668)	8503696	1000.00	1000(A)
	31 1,2-Dichloroethane	62	8.518	8.513	(0.947)	3518510	1000.00	1100(A)
*	32 1,4-Difluorobenzene	114	8.992	8.997	(1.000)	2200999	250.000	
	33 Trichloroethene	95	9.338	9.332	(0.734)	3825950	1000.00	1000(A)
$	34 1,2-Dichloropropane-d6	67	9.506	9.510	(0.748)	5680250	1000.00	1100(A)
	35 Methylcyclohexane	55	9.594	9.599	(0.755)	4246135	1000.00	1000(A)
	36 1,2-Dichloropropane	63	9.624	9.619	(0.757)	4236849	1000.00	1000(A)
$	37 1,4-Dioxane-d8	96	9.802	9.796	(1.090)	629042	20000.0	19000
	38 1,4-Dioxane	88	9.861	9.856	(1.097)	695579	20000.0	20000
	39 Bromodichloromethane	83	9.980	9.974	(0.785)	8140579	1000.00	1100(A)
	40 cis-1,3-Dichloropropene	75	10.552	10.557	(0.830)	7211959	1000.00	1000(A)
	41 4-Methyl-2-pentanone	43	10.779	10.774	(0.848)	7055361	2000.00	2000(A)
$	42 Toluene-d8	98	10.917	10.902	(0.859)	11088392	1000.00	1000(A)
	43 Toluene	91	10.996	10.991	(0.865)	11862750	1000.00	1000(A)
$	44 trans-1,3-Dichloropropene-d4	79	11.214	11.208	(0.882)	5949192	1000.00	1100(A)
	45 trans-1,3-Dichloropropene	75	11.253	11.248	(0.885)	6235877	1000.00	1100(A)
	46 1,1,2-Trichloroethane	97	11.480	11.475	(0.903)	4084750	1000.00	1000(A)
	47 Tetrachloroethene	164	11.697	11.692	(0.920)	4062262	1000.00	1100(A)
$	48 2-Hexanone-d5	63	11.757	11.751	(0.925)	2705679	2000.00	2100(A)
	49 2-Hexanone	43	11.816	11.810	(0.929)	4887047	2000.00	2100(A)
	50 Dibromochloromethane	129	11.984	11.978	(0.943)	7298381	1000.00	1100(A)
	51 1,2-Dibromoethane	107	12.142	12.136	(0.955)	6330364	1000.00	1000(A)
*	52 Chlorobenzene-d5	117	12.714	12.709	(1.000)	2389785	250.000	
	53 Chlorobenzene	112	12.754	12.748	(1.003)	9362101	1000.00	1000(A)
	54 Ethylbenzene	91	12.882	12.877	(1.013)	14438461	1000.00	1000(A)
	55 m,p-Xylene	106	13.030	13.025	(1.025)	5350620	1000.00	1000(A)
	56 o-Xylene	106	13.524	13.518	(1.064)	5173328	1000.00	1000(A)
	57 Styrene	104	13.534	13.528	(1.064)	9078576	1000.00	1100(A)
	58 Bromoform	173	13.761	13.755	(0.887)	5336063	1000.00	1100(A)
	59 Isopropylbenzene	105	13.968	13.963	(1.099)	14845360	1000.00	1000(A)
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.274	14.269	(1.123)	7249482	1000.00	1000(A)
	61 1,1,2,2-Tetrachloroethane	83	14.304	14.308	(1.125)	7107496	1000.00	1000(A)
	62 1,3-Dichlorobenzene	146	15.449	15.453	(0.996)	7964900	1000.00	1100(A)
*	63 1,4-Dichlorobenzene-d4	152	15.518	15.513	(1.000)	1400006	250.000	(Q)
	64 1,4-Dichlorobenzene	146	15.548	15.542	(1.002)	9266010	1000.00	1100(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 65 1,2-Dichlorobenzene-d4	152	15.913	15.918	(1.025)	5044934	1000.00	1000(A)
66 1,2-Dichlorobenzene	146	15.933	15.937	(1.027)	7787451	1000.00	1000(A)
67 1,2-Dibromo-3-chloropropane	75	16.673	16.668	(1.074)	1514136	1000.00	1000(A)
85 1,3,5-Trichlorobenzene	180	16.890	16.895	(1.088)	6136258	1000.00	1100(A)
68 1,2,4-Trichlorobenzene	180	17.493	17.487	(1.127)	5912964	1000.00	1100(A)
84 Naphthalene	128	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.986	17.991	(1.159)	5326937	1000.00	1100(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 07/29/2013 07/30/2013

Heated Purge: (Y/N) Y Calibration Time(s): 2357 0151

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NID04.D RRF5.0 = NID05.D

RRF25 = NID06.D RRF50 = NID07.D RRF100 = NID08.D

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.724	0.698	0.696	0.691	0.666	0.695	3.0
Chloromethane	0.369	0.371	0.362	0.361	0.349	0.362	2.4
Vinyl chloride	0.414	0.399	0.396	0.391	0.376	0.395	3.5
Bromomethane	0.237	0.246	0.244	0.224	0.222	0.235	4.8
Chloroethane	0.249	0.240	0.226	0.212	0.135	0.212	21.5
Trichlorofluoromethane	0.760	0.740	0.737	0.736	0.705	0.736	2.7
1,1-Dichloroethene	0.339	0.338	0.329	0.330	0.313	0.330	3.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.751	0.722	0.716	0.710	0.667	0.713	4.2
Acetone	0.066	0.099	0.090	0.098	0.088	0.088	14.9
Carbon disulfide	1.034	1.011	0.993	1.004	0.965	1.002	2.5
Methyl acetate	0.191	0.203	0.191	0.198	0.188	0.194	3.1
Methylene chloride	0.359	0.350	0.309	0.319	0.312	0.330	7.0
trans-1,2-Dichloroethene	0.349	0.350	0.338	0.349	0.337	0.345	1.9
Methyl tert-butyl ether	0.738	0.717	0.670	0.705	0.688	0.704	3.7
1,1-Dichloroethane	0.707	0.684	0.655	0.664	0.643	0.671	3.8
cis-1,2-Dichloroethene	0.346	0.342	0.327	0.337	0.332	0.337	2.3
2-Butanone	0.116	0.161	0.140	0.147	0.135	0.140	12.0
Bromochloromethane	0.205	0.211	0.193	0.201	0.202	0.202	3.3
Chloroform	0.693	0.669	0.632	0.638	0.620	0.650	4.6
1,1,1-Trichloroethane	0.689	0.662	0.659	0.672	0.647	0.666	2.4
Cyclohexane	0.582	0.580	0.570	0.570	0.534	0.567	3.4
Carbon tetrachloride	0.642	0.606	0.618	0.637	0.612	0.623	2.5
Benzene	1.001	0.982	0.967	0.983	0.944	0.975	2.2
1,2-Dichloroethane	0.307	0.310	0.290	0.298	0.291	0.299	3.0
1,4-Dioxane	0.004	0.003	0.003	0.003	0.003	0.003	6.6
Trichloroethene	0.552	0.546	0.528	0.532	0.514	0.534	2.9
Methylcyclohexane	0.644	0.630	0.626	0.611	0.560	0.614	5.3

Report 1,4-Dioxane for Low-Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 07/29/2013 07/30/2013

Heated Purge: (Y/N) Y Calibration Time(s): 2357 0151

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NID04.D RRF5.0 = NID05.D

RRF25 = NID06.D RRF50 = NID07.D RRF100 = NID08.D

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.538	0.518	0.504	0.526	0.480	0.513	4.4
Bromodichloromethane	0.904	0.881	0.848	0.886	0.865	0.877	2.4
cis-1,3-Dichloropropene	0.839	0.821	0.781	0.812	0.783	0.807	3.1
4-Methyl-2-pentanone	0.408	0.423	0.424	0.446	0.407	0.422	3.8
Toluene	1.348	1.327	1.291	1.280	1.230	1.295	3.5
trans-1,3-Dichloropropene	0.647	0.623	0.616	0.642	0.622	0.630	2.2
1,1,2-Trichloroethane	0.446	0.432	0.398	0.416	0.396	0.417	5.2
Tetrachloroethene	0.453	0.441	0.438	0.423	0.411	0.433	3.8
2-Hexanone	0.277	0.337	0.331	0.352	0.316	0.323	8.9
Dibromochloromethane	0.732	0.737	0.720	0.750	0.726	0.733	1.6
1,2-Dibromoethane	0.594	0.601	0.594	0.620	0.592	0.600	1.9
Chlorobenzene	1.009	0.980	0.955	0.945	0.933	0.964	3.2
Ethylbenzene	1.636	1.590	1.567	1.489	1.462	1.549	4.7
o-Xylene	0.575	0.563	0.535	0.513	0.504	0.538	5.7
m,p-Xylene	0.626	0.600	0.579	0.545	0.537	0.577	6.4
Styrene	0.964	0.964	0.920	0.894	0.877	0.924	4.3
Bromoform	0.984	0.981	0.968	1.089	1.018	1.008	4.9
Isopropylbenzene	1.743	1.684	1.637	1.525	1.500	1.618	6.4
1,1,2,2-Tetrachloroethane	0.755	0.766	0.722	0.736	0.681	0.732	4.5
1,3-Dichlorobenzene	1.625	1.597	1.562	1.524	1.533	1.568	2.7
1,4-Dichlorobenzene	1.868	1.866	1.732	1.728	1.713	1.781	4.4
1,2-Dichlorobenzene	1.555	1.558	1.480	1.508	1.463	1.513	2.8
1,2-Dibromo-3-chloropropane	0.296	0.299	0.298	0.330	0.300	0.305	4.6
1,2,4-Trichlorobenzene	1.019	1.020	0.993	0.979	1.016	1.005	1.9
1,2,3-Trichlorobenzene	0.959	1.003	0.944	0.958	0.979	0.969	2.3

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date(s): 07/29/2013 07/30/2013

Heated Purge: (Y/N) Y Calibration Time(s): 2357 0151

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NID04.D RRF5.0 = NID05.D

RRF25 = NID06.D RRF50 = NID07.D RRF100 = NID08.D

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.388	0.375	0.372	0.371	0.358	0.373	2.8
Chloroethane-d5	0.338	0.306	0.286	0.242	0.171	0.269	24.1
1,1-Dichloroethene-d2	0.815	0.809	0.794	0.785	0.740	0.789	3.7
2-Butanone-d5	0.124	0.157	0.140	0.150	0.139	0.142	8.7
Chloroform-d	0.743	0.721	0.678	0.689	0.669	0.700	4.4
1,2-Dichloroethane-d4	0.263	0.285	0.265	0.273	0.268	0.271	3.2
Benzene-d6	1.122	1.078	1.054	1.076	1.034	1.073	3.1
1,2-Dichloropropane-d6	0.759	0.725	0.681	0.700	0.669	0.707	5.1
Toluene-d8	1.320	1.250	1.235	1.228	1.195	1.246	3.7
trans-1,3-Dichloropropene-d4	0.619	0.607	0.601	0.630	0.611	0.614	1.8
2-Hexanone-d5	0.156	0.177	0.177	0.191	0.170	0.174	7.2
1,4-Dioxane-d8	0.003	0.003	0.003	0.003	0.003	0.003	6.9
1,1,2,2-Tetrachloroethane-d2	0.831	0.797	0.746	0.769	0.711	0.771	6.0
1,2-Dichlorobenzene-d4	1.359	1.159	1.013	1.026	0.992	1.110	13.9

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid04.d

Date : 29-JUL-2013 23:57

Client ID: VSTD2.5NG

Instrument: N.i

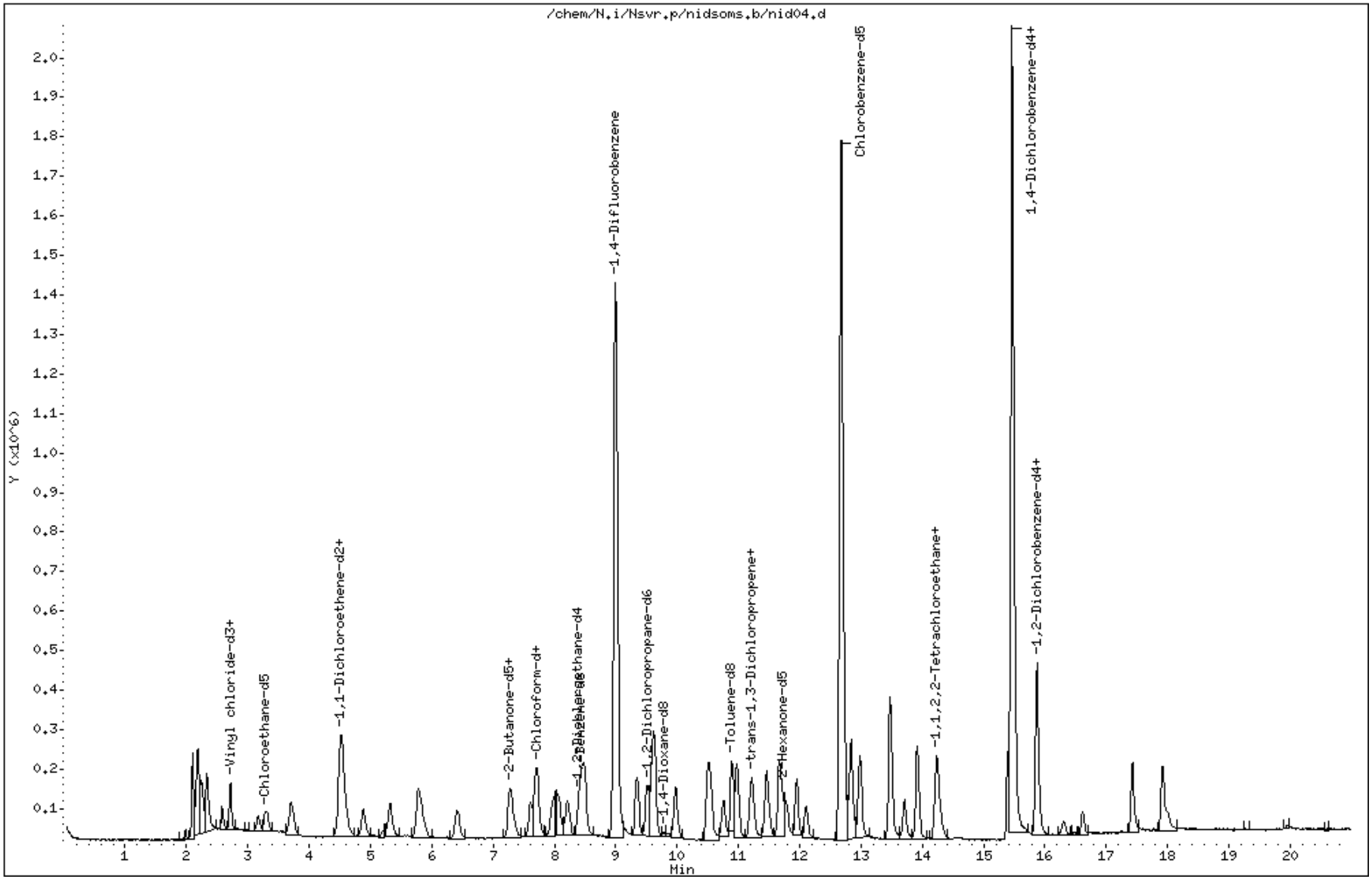
Sample Info: IC

Purge Volume: 10.0

Operator: jpd

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /var/chem/N.i/Nsvr.p/nidsoms.b/nid04.d
Lab Smp Id: IC Client Smp ID: VSTD2.5NG
Inj Date : 29-JUL-2013 23:57 MS Autotune Date: 19-MAY-1992 09:52
Operator : jpd Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidsoms.b/soms4t.m
Meth Date : 04-Aug-2013 13:21 jd1 Quant Type: ISTD
Cal Date : 29-JUL-2013 23:57 Cal File: nid04.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.334	2.337	(0.259)	200755	25.0000	26
	2 Chloromethane	50	2.581	2.584	(0.287)	102244	25.0000	25
$	3 Vinyl chloride-d3	65	2.709	2.712	(0.301)	107654	25.0000	26
	4 Vinyl chloride	62	2.719	2.722	(0.302)	114885	25.0000	26
	5 Bromomethane	94	3.173	3.147	(0.353)	65837	25.0000	25
$	6 Chloroethane-d5	69	3.281	3.255	(0.365)	93775	25.0000	31
	7 Chloroethane	64	3.321	3.295	(0.369)	69129	25.0000	29
	8 Trichlorofluoromethane	101	3.716	3.700	(0.413)	210899	25.0000	26
$	9 1,1-Dichloroethene-d2	63	4.506	4.509	(0.501)	225987	25.0000	26
	10 1,1-Dichloroethene	96	4.525	4.529	(0.503)	94166	25.0000	26
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.535	4.539	(0.504)	208331	25.0000	26
	12 Acetone	43	4.644	4.648	(0.516)	36730	50.0000	38(a)
	13 Carbon disulfide	76	4.881	4.884	(0.542)	286972	25.0000	26
	14 Methyl acetate	43	5.207	5.210	(0.579)	53034	25.0000	25
	15 Methylene chloride	84	5.315	5.319	(0.591)	99626	25.0000	27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.779	5.773	(0.642)	96807	25.0000	25
	17 Methyl tert-butyl ether	73	5.829	5.842	(0.648)	204699	25.0000	26
	18 1,1-Dichloroethane	63	6.421	6.415	(0.714)	196248	25.0000	26
$	19 2-Butanone-d5	46	7.260	7.254	(0.807)	68946	50.0000	44(a)
	20 cis-1,2-Dichloroethene	96	7.270	7.274	(0.808)	95861	25.0000	26
	21 2-Butanone	43	7.339	7.343	(0.816)	64248	50.0000	41(a)
	22 Bromochloromethane	128	7.606	7.609	(0.845)	56978	25.0000	25
$	23 Chloroform-d	84	7.695	7.698	(0.855)	206012	25.0000	27
	24 Chloroform	83	7.724	7.728	(0.858)	192276	25.0000	27
	25 1,1,1-Trichloroethane	97	7.981	7.985	(0.630)	158698	25.0000	26
	26 Cyclohexane	56	8.060	8.073	(0.636)	133961	25.0000	26
	27 Carbon tetrachloride	117	8.218	8.212	(0.649)	147863	25.0000	26
$	28 1,2-Dichloroethane-d4	65	8.396	8.399	(0.933)	73084	25.0000	24(a)
$	29 Benzene-d6	84	8.435	8.429	(0.666)	258284	25.0000	26
	30 Benzene	78	8.484	8.488	(0.670)	230515	25.0000	26
	31 1,2-Dichloroethane	62	8.504	8.498	(0.945)	85128	25.0000	26
*	32 1,4-Difluorobenzene	114	8.998	9.001	(1.000)	2774515	250.000	
	33 Trichloroethene	95	9.343	9.347	(0.737)	127130	25.0000	26
$	34 1,2-Dichloropropane-d6	67	9.511	9.515	(0.751)	174867	25.0000	27
	35 Methylcyclohexane	55	9.610	9.604	(0.758)	148236	25.0000	26
	36 1,2-Dichloropropane	63	9.630	9.623	(0.760)	123907	25.0000	26
$	37 1,4-Dioxane-d8	96	9.788	9.791	(1.088)	17697	500.000	550
	38 1,4-Dioxane	88	9.857	9.851	(1.095)	20641	500.000	550
	39 Bromodichloromethane	83	9.975	9.979	(0.787)	208222	25.0000	26
	40 cis-1,3-Dichloropropene	75	10.548	10.551	(0.832)	193264	25.0000	26
	41 4-Methyl-2-pentanone	43	10.765	10.759	(0.850)	187674	50.0000	48(a)
$	42 Toluene-d8	98	10.893	10.897	(0.860)	304029	25.0000	27
	43 Toluene	91	10.982	10.976	(0.867)	310416	25.0000	26
$	44 trans-1,3-Dichloropropene-d4	79	11.199	11.193	(0.884)	142621	25.0000	25
	45 trans-1,3-Dichloropropene	75	11.239	11.233	(0.887)	148868	25.0000	26
	46 1,1,2-Trichloroethane	97	11.456	11.460	(0.904)	102789	25.0000	27
	47 Tetrachloroethene	164	11.673	11.667	(0.921)	104407	25.0000	26
$	48 2-Hexanone-d5	63	11.723	11.716	(0.925)	71970	50.0000	45(a)
	49 2-Hexanone	43	11.782	11.776	(0.930)	127527	50.0000	43(a)
	50 Dibromochloromethane	129	11.950	11.953	(0.943)	168663	25.0000	25
	51 1,2-Dibromoethane	107	12.108	12.101	(0.956)	136824	25.0000	25
*	52 Chlorobenzene-d5	117	12.671	12.674	(1.000)	2302630	250.000	
	53 Chlorobenzene	112	12.710	12.714	(1.003)	232412	25.0000	26
	54 Ethylbenzene	91	12.838	12.842	(1.013)	376736	25.0000	26
	55 m,p-Xylene	106	12.986	12.990	(1.025)	144114	25.0000	27
	56 o-Xylene	106	13.470	13.474	(1.063)	132349	25.0000	27
	57 Styrene	104	13.490	13.484	(1.065)	221927	25.0000	26
	58 Bromoform	173	13.707	13.711	(0.886)	109908	25.0000	24(a)
	59 Isopropylbenzene	105	13.924	13.918	(1.099)	401425	25.0000	27
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.221	14.214	(1.122)	191406	25.0000	27
	61 1,1,2,2-Tetrachloroethane	83	14.250	14.254	(1.125)	173917	25.0000	26
	62 1,3-Dichlorobenzene	146	15.395	15.399	(0.996)	181513	25.0000	26

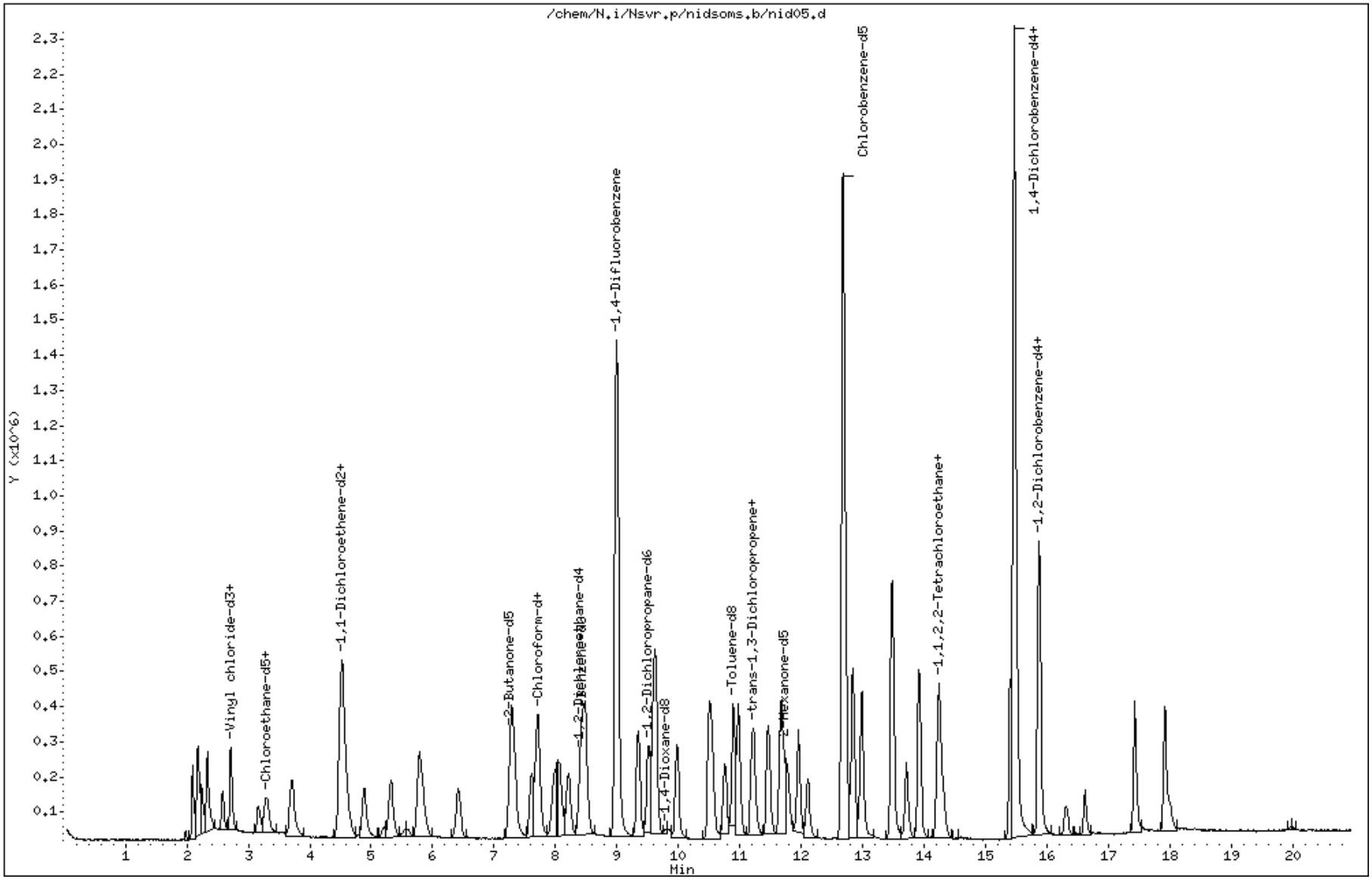
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	63 1,4-Dichlorobenzene-d4	152	15.465	15.468	(1.000)	1116800	250.000	
	64 1,4-Dichlorobenzene	146	15.484	15.488	(1.001)	208599	25.0000	26
$	65 1,2-Dichlorobenzene-d4	152	15.859	15.863	(1.026)	151813	25.0000	31
	66 1,2-Dichlorobenzene	146	15.879	15.883	(1.027)	173710	25.0000	26
	67 1,2-Dibromo-3-chloropropane	75	16.610	16.613	(1.074)	33064	25.0000	24(a)
	68 1,2,4-Trichlorobenzene	180	17.429	17.423	(1.127)	113791	25.0000	25
	69 1,2,3-Trichlorobenzene	180	17.923	17.917	(1.159)	107133	25.0000	25
	84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

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

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid05.d
Date : 30-JUL-2013 00:26
Client ID: VSTD005NG
Sample Info: IC
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidsoms.b/nid05.d
Lab Smp Id: IC Client Smp ID: VSTD005NG
Inj Date : 30-JUL-2013 00:26 MS Autotune Date: 19-MAY-1992 09:52
Operator : jpd Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidsoms.b/soms4t.m
Meth Date : 30-Jul-2013 09:53 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 00:26 Cal File: nid05.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.333	2.337	(0.259)	391297	50.0000	49
	2 Chloromethane	50	2.580	2.584	(0.287)	207883	50.0000	50
$	3 Vinyl chloride-d3	65	2.708	2.712	(0.301)	210234	50.0000	49
	4 Vinyl chloride	62	2.718	2.722	(0.302)	223584	50.0000	49
	5 Bromomethane	94	3.163	3.147	(0.352)	137879	50.0000	51
$	6 Chloroethane-d5	69	3.281	3.255	(0.365)	171606	50.0000	48
	7 Chloroethane	64	3.321	3.295	(0.369)	134524	50.0000	49
	8 Trichlorofluoromethane	101	3.706	3.700	(0.412)	415042	50.0000	49
$	9 1,1-Dichloroethene-d2	63	4.505	4.509	(0.501)	453931	50.0000	50
	10 1,1-Dichloroethene	96	4.525	4.529	(0.503)	189474	50.0000	50
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.545	4.539	(0.505)	405095	50.0000	49
	12 Acetone	43	4.644	4.648	(0.516)	110905	100.000	120
	13 Carbon disulfide	76	4.880	4.884	(0.542)	567227	50.0000	49
	14 Methyl acetate	43	5.206	5.210	(0.579)	113817	50.0000	51
	15 Methylene chloride	84	5.315	5.319	(0.591)	196221	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.779	5.773	(0.642)	196188	50.0000	50
	17 Methyl tert-butyl ether	73	5.828	5.842	(0.648)	402269	50.0000	49
	18 1,1-Dichloroethane	63	6.421	6.415	(0.714)	383535	50.0000	49
$	19 2-Butanone-d5	46	7.260	7.254	(0.807)	175970	100.000	110
	20 cis-1,2-Dichloroethene	96	7.280	7.274	(0.809)	192113	50.0000	50
	21 2-Butanone	43	7.339	7.343	(0.816)	181111	100.000	120
	22 Bromochloromethane	128	7.605	7.609	(0.845)	118564	50.0000	51
$	23 Chloroform-d	84	7.694	7.698	(0.855)	404494	50.0000	49
	24 Chloroform	83	7.724	7.728	(0.858)	375425	50.0000	49
	25 1,1,1-Trichloroethane	97	7.981	7.985	(0.630)	314340	50.0000	49
	26 Cyclohexane	56	8.069	8.073	(0.637)	275442	50.0000	50
	27 Carbon tetrachloride	117	8.208	8.212	(0.648)	287827	50.0000	49
$	28 1,2-Dichloroethane-d4	65	8.395	8.399	(0.933)	159678	50.0000	52
$	29 Benzene-d6	84	8.435	8.429	(0.666)	511622	50.0000	49
	30 Benzene	78	8.484	8.488	(0.670)	466390	50.0000	50
	31 1,2-Dichloroethane	62	8.504	8.498	(0.945)	174026	50.0000	50
*	32 1,4-Difluorobenzene	114	8.997	9.001	(1.000)	2804580	250.000	
	33 Trichloroethene	95	9.343	9.347	(0.737)	259288	50.0000	50
$	34 1,2-Dichloropropane-d6	67	9.511	9.515	(0.751)	344089	50.0000	49
	35 Methylcyclohexane	55	9.600	9.604	(0.758)	299043	50.0000	49
	36 1,2-Dichloropropane	63	9.629	9.623	(0.760)	245966	50.0000	49
$	37 1,4-Dioxane-d8	96	9.787	9.791	(1.088)	31375	1000.00	930
	38 1,4-Dioxane	88	9.856	9.851	(1.095)	36729	1000.00	940
	39 Bromodichloromethane	83	9.975	9.979	(0.787)	418364	50.0000	49
	40 cis-1,3-Dichloropropene	75	10.547	10.551	(0.832)	389671	50.0000	49
	41 4-Methyl-2-pentanone	43	10.755	10.759	(0.849)	402135	100.000	100
$	42 Toluene-d8	98	10.893	10.897	(0.860)	593530	50.0000	49
	43 Toluene	91	10.972	10.976	(0.866)	630091	50.0000	50
$	44 trans-1,3-Dichloropropene-d4	79	11.189	11.193	(0.883)	288153	50.0000	49
	45 trans-1,3-Dichloropropene	75	11.229	11.233	(0.886)	295715	50.0000	49
	46 1,1,2-Trichloroethane	97	11.456	11.460	(0.904)	204932	50.0000	49
	47 Tetrachloroethene	164	11.663	11.667	(0.921)	209287	50.0000	49
$	48 2-Hexanone-d5	63	11.722	11.716	(0.925)	168113	100.000	110
	49 2-Hexanone	43	11.782	11.776	(0.930)	320433	100.000	110
	50 Dibromochloromethane	129	11.949	11.953	(0.943)	349776	50.0000	50
	51 1,2-Dibromoethane	107	12.107	12.101	(0.956)	285451	50.0000	50
*	52 Chlorobenzene-d5	117	12.670	12.674	(1.000)	2374074	250.000	
	53 Chlorobenzene	112	12.710	12.714	(1.003)	465305	50.0000	49
	54 Ethylbenzene	91	12.838	12.842	(1.013)	754876	50.0000	49
	55 m,p-Xylene	106	12.986	12.990	(1.025)	284698	50.0000	49
	56 o-Xylene	106	13.470	13.474	(1.063)	267109	50.0000	49
	57 Styrene	104	13.480	13.484	(1.064)	457595	50.0000	50
	58 Bromoform	173	13.707	13.711	(0.886)	230403	50.0000	50
	59 Isopropylbenzene	105	13.914	13.918	(1.098)	799540	50.0000	49
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.220	14.214	(1.122)	378515	50.0000	49
	61 1,1,2,2-Tetrachloroethane	83	14.250	14.254	(1.125)	363651	50.0000	50
	62 1,3-Dichlorobenzene	146	15.395	15.399	(0.996)	375175	50.0000	50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.464	15.468	(1.000)	1174802	250.000	
64 1,4-Dichlorobenzene	146	15.484	15.488	(1.001)	438349	50.0000	50
$ 65 1,2-Dichlorobenzene-d4	152	15.859	15.863	(1.026)	272302	50.0000	46
66 1,2-Dichlorobenzene	146	15.879	15.883	(1.027)	365993	50.0000	50
67 1,2-Dibromo-3-chloropropane	75	16.609	16.613	(1.074)	70189	50.0000	50
68 1,2,4-Trichlorobenzene	180	17.429	17.423	(1.127)	239749	50.0000	50
69 1,2,3-Trichlorobenzene	180	17.913	17.917	(1.158)	235602	50.0000	51
84 Naphthalene	128	Compound Not Detected.					

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid06.d

Date : 30-JUL-2013 00:54

Client ID: VSTD025NG

Sample Info: ICIS

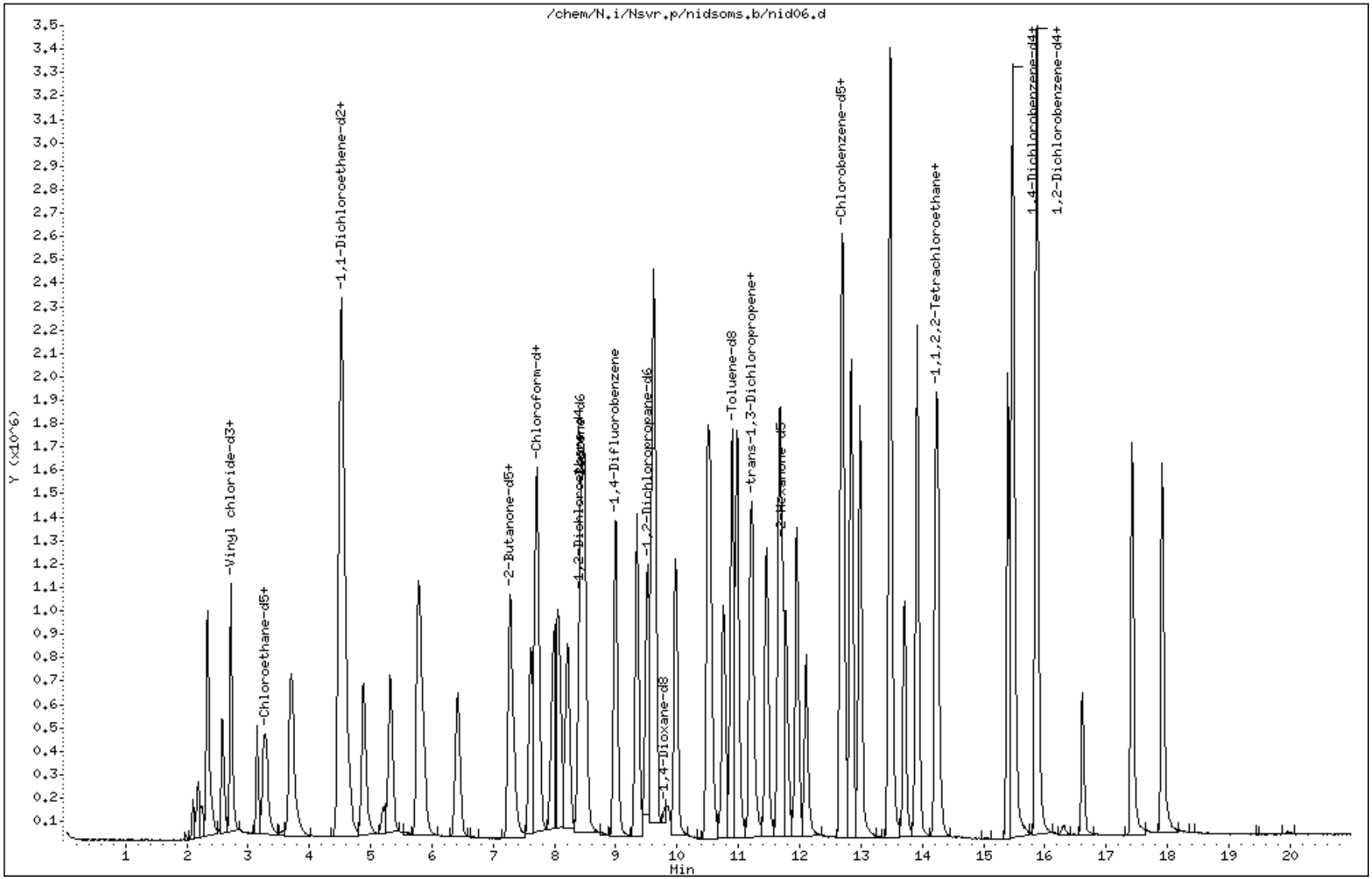
Purge Volume: 10.0

Column phase: DB-624

Instrument: N.i

Operator: jpd

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidsoms.b/nid06.d
Lab Smp Id: ICIS Client Smp ID: VSTD025NG
Inj Date : 30-JUL-2013 00:54 MS Autotune Date: 19-MAY-1992 09:52
Operator : jpd Inst ID: N.i
Smp Info : ICIS
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidsoms.b/soms4t.m
Meth Date : 30-Jul-2013 09:53 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 00:54 Cal File: nid06.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.337	2.337	(0.260)	1859301	250.000	250
	2 Chloromethane	50	2.584	2.584	(0.287)	968102	250.000	250
$	3 Vinyl chloride-d3	65	2.712	2.712	(0.301)	994328	250.000	250
	4 Vinyl chloride	62	2.722	2.722	(0.302)	1056647	250.000	250
	5 Bromomethane	94	3.147	3.147	(0.350)	653194	250.000	250
$	6 Chloroethane-d5	69	3.255	3.255	(0.362)	764985	250.000	230
	7 Chloroethane	64	3.295	3.295	(0.366)	604202	250.000	240
	8 Trichlorofluoromethane	101	3.700	3.700	(0.411)	1967837	250.000	250
$	9 1,1-Dichloroethene-d2	63	4.509	4.509	(0.501)	2122191	250.000	250
	10 1,1-Dichloroethene	96	4.529	4.529	(0.503)	880169	250.000	250
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.539	4.539	(0.504)	1911895	250.000	250
	12 Acetone	43	4.648	4.648	(0.516)	479437	500.000	530
	13 Carbon disulfide	76	4.884	4.884	(0.543)	2653472	250.000	250
	14 Methyl acetate	43	5.210	5.210	(0.579)	511582	250.000	250
	15 Methylene chloride	84	5.319	5.319	(0.591)	825899	250.000	230

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.773	5.773	(0.641)	902029	250.000	240
	17 Methyl tert-butyl ether	73	5.842	5.842	(0.649)	1789047	250.000	240
	18 1,1-Dichloroethane	63	6.415	6.415	(0.713)	1749255	250.000	240
$	19 2-Butanone-d5	46	7.254	7.254	(0.806)	745396	500.000	500
	20 cis-1,2-Dichloroethene	96	7.274	7.274	(0.808)	872604	250.000	240
	21 2-Butanone	43	7.343	7.343	(0.816)	748205	500.000	500
	22 Bromochloromethane	128	7.609	7.609	(0.845)	515179	250.000	240
$	23 Chloroform-d	84	7.698	7.698	(0.855)	1811832	250.000	240
	24 Chloroform	83	7.728	7.728	(0.858)	1687916	250.000	240
	25 1,1,1-Trichloroethane	97	7.985	7.985	(0.630)	1448957	250.000	250
	26 Cyclohexane	56	8.073	8.073	(0.637)	1253228	250.000	250
	27 Carbon tetrachloride	117	8.212	8.212	(0.648)	1359018	250.000	250
$	28 1,2-Dichloroethane-d4	65	8.399	8.399	(0.933)	708237	250.000	240
$	29 Benzene-d6	84	8.429	8.429	(0.665)	2319119	250.000	240
	30 Benzene	78	8.488	8.488	(0.670)	2127614	250.000	250
	31 1,2-Dichloroethane	62	8.498	8.498	(0.944)	776046	250.000	240
*	32 1,4-Difluorobenzene	114	9.001	9.001	(1.000)	2671658	250.000	
	33 Trichloroethene	95	9.347	9.347	(0.737)	1161798	250.000	240
$	34 1,2-Dichloropropane-d6	67	9.515	9.515	(0.751)	1498601	250.000	240
	35 Methylcyclohexane	55	9.604	9.604	(0.758)	1376334	250.000	250
	36 1,2-Dichloropropane	63	9.623	9.623	(0.759)	1109393	250.000	240
$	37 1,4-Dioxane-d8	96	9.791	9.791	(1.088)	147073	5000.00	4700
	38 1,4-Dioxane	88	9.851	9.851	(1.094)	172574	5000.00	4700
	39 Bromodichloromethane	83	9.979	9.979	(0.787)	1865505	250.000	240
	40 cis-1,3-Dichloropropene	75	10.551	10.551	(0.833)	1717725	250.000	240
	41 4-Methyl-2-pentanone	43	10.759	10.759	(0.849)	1865105	500.000	510
$	42 Toluene-d8	98	10.897	10.897	(0.860)	2716093	250.000	240
	43 Toluene	91	10.976	10.976	(0.866)	2839379	250.000	240
$	44 trans-1,3-Dichloropropene-d4	79	11.193	11.193	(0.883)	1322465	250.000	250
	45 trans-1,3-Dichloropropene	75	11.233	11.233	(0.886)	1354251	250.000	240
	46 1,1,2-Trichloroethane	97	11.460	11.460	(0.904)	875770	250.000	230
	47 Tetrachloroethene	164	11.667	11.667	(0.921)	963667	250.000	250
$	48 2-Hexanone-d5	63	11.716	11.716	(0.924)	777020	500.000	520
	49 2-Hexanone	43	11.776	11.776	(0.929)	1454570	500.000	520
	50 Dibromochloromethane	129	11.953	11.953	(0.943)	1583508	250.000	250
	51 1,2-Dibromoethane	107	12.101	12.101	(0.955)	1306392	250.000	250
*	52 Chlorobenzene-d5	117	12.674	12.674	(1.000)	2199893	250.000	
	53 Chlorobenzene	112	12.714	12.714	(1.003)	2100961	250.000	240
	54 Ethylbenzene	91	12.842	12.842	(1.013)	3446785	250.000	250
	55 m,p-Xylene	106	12.990	12.990	(1.025)	1273303	250.000	240
	56 o-Xylene	106	13.474	13.474	(1.063)	1176069	250.000	240
	57 Styrene	104	13.484	13.484	(1.064)	2023647	250.000	240
	58 Bromoform	173	13.711	13.711	(0.886)	1053397	250.000	250
	59 Isopropylbenzene	105	13.918	13.918	(1.098)	3601900	250.000	240
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.214	14.214	(1.122)	1641869	250.000	240
	61 1,1,2,2-Tetrachloroethane	83	14.254	14.254	(1.125)	1588113	250.000	240
	62 1,3-Dichlorobenzene	146	15.399	15.399	(0.996)	1699693	250.000	240

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.468	15.468	(1.000)	1088262	250.000	
64 1,4-Dichlorobenzene	146	15.488	15.488	(1.001)	1885116	250.000	240
$ 65 1,2-Dichlorobenzene-d4	152	15.863	15.863	(1.026)	1102750	250.000	220
66 1,2-Dichlorobenzene	146	15.883	15.883	(1.027)	1610599	250.000	240
67 1,2-Dibromo-3-chloropropane	75	16.613	16.613	(1.074)	324339	250.000	250
68 1,2,4-Trichlorobenzene	180	17.423	17.423	(1.126)	1080276	250.000	250
69 1,2,3-Trichlorobenzene	180	17.917	17.917	(1.158)	1027661	250.000	240
84 Naphthalene	128	Compound Not Detected.					

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid07.d

Date : 30-JUL-2013 01:22

Client ID: VSTD050NG

Sample Info: IC

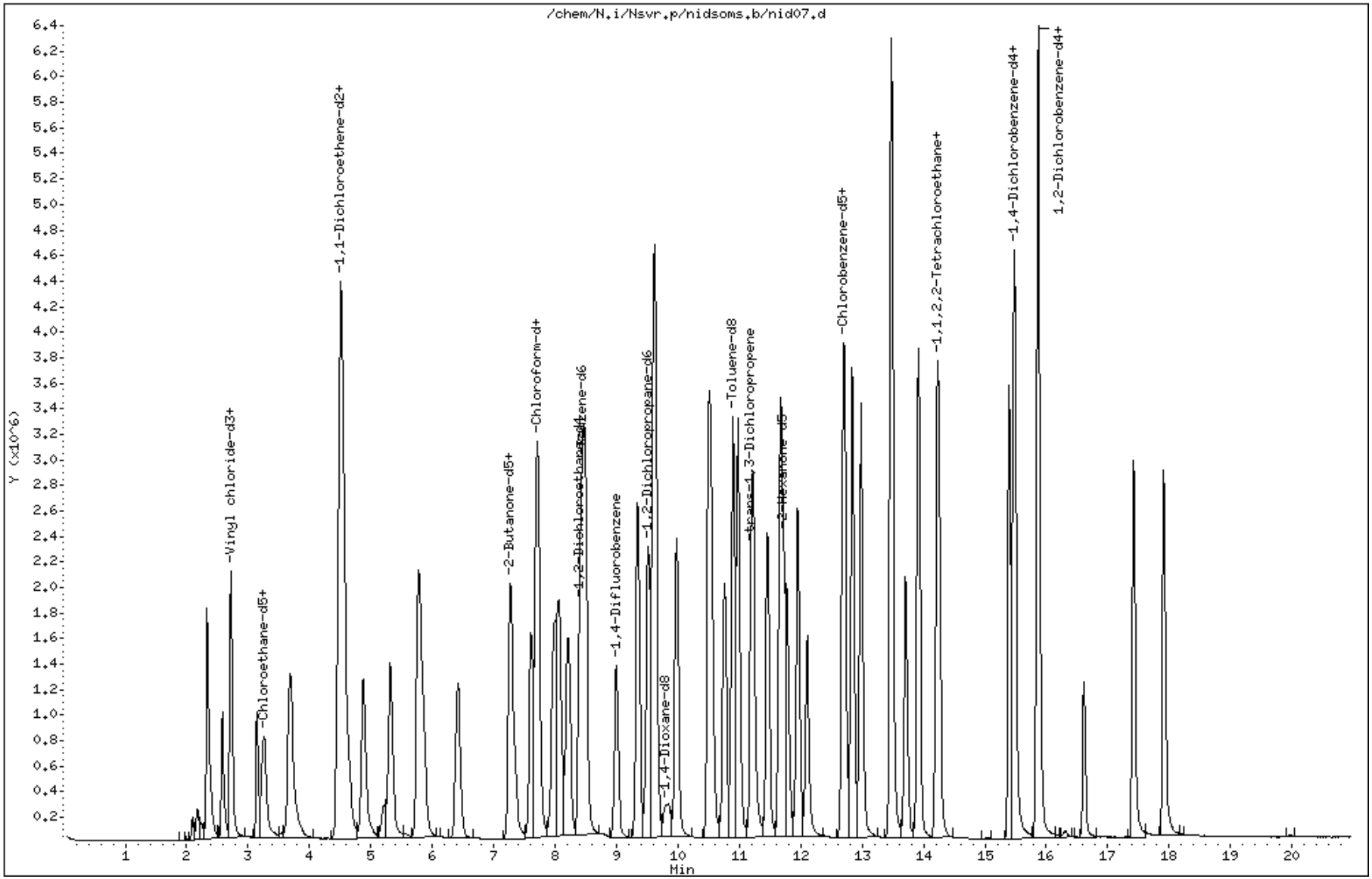
Purge Volume: 10.0

Column phase: DB-624

Instrument: N.i

Operator: jpd

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidsoms.b/nid07.d
Lab Smp Id: IC Client Smp ID: VSTD050NG
Inj Date : 30-JUL-2013 01:22 MS Autotune Date: 19-MAY-1992 09:52
Operator : jpd Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidsoms.b/soms4t.m
Meth Date : 30-Jul-2013 09:53 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 01:22 Cal File: nid07.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.333	2.337	(0.259)	3613157	500.000	490
	2 Chloromethane	50	2.580	2.584	(0.287)	1888623	500.000	490
$	3 Vinyl chloride-d3	65	2.718	2.712	(0.302)	1937198	500.000	490
	4 Vinyl chloride	62	2.718	2.722	(0.302)	2043441	500.000	490
	5 Bromomethane	94	3.143	3.147	(0.349)	1168255	500.000	470(M)
$	6 Chloroethane-d5	69	3.242	3.255	(0.360)	1264409	500.000	410
	7 Chloroethane	64	3.281	3.295	(0.365)	1107982	500.000	460
	8 Trichlorofluoromethane	101	3.686	3.700	(0.410)	3848498	500.000	500
$	9 1,1-Dichloroethene-d2	63	4.496	4.509	(0.500)	4102303	500.000	490
	10 1,1-Dichloroethene	96	4.515	4.529	(0.502)	1724448	500.000	490
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.535	4.539	(0.504)	3707599	500.000	490
	12 Acetone	43	4.654	4.648	(0.517)	1019368	1000.00	1100
	13 Carbon disulfide	76	4.881	4.884	(0.542)	5246745	500.000	500
	14 Methyl acetate	43	5.206	5.210	(0.579)	1032466	500.000	500
	15 Methylene chloride	84	5.315	5.319	(0.591)	1665099	500.000	480

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.769	5.773	(0.641)	1824246	500.000	500
	17 Methyl tert-butyl ether	73	5.838	5.842	(0.649)	3686208	500.000	500
	18 1,1-Dichloroethane	63	6.421	6.415	(0.714)	3471885	500.000	490
$	19 2-Butanone-d5	46	7.260	7.254	(0.807)	1566099	1000.00	1100
	20 cis-1,2-Dichloroethene	96	7.280	7.274	(0.809)	1759584	500.000	500
	21 2-Butanone	43	7.339	7.343	(0.816)	1537659	1000.00	1000
	22 Bromochloromethane	128	7.606	7.609	(0.845)	1050562	500.000	500
$	23 Chloroform-d	84	7.694	7.698	(0.855)	3598413	500.000	490
	24 Chloroform	83	7.724	7.728	(0.858)	3331811	500.000	480
	25 1,1,1-Trichloroethane	97	7.981	7.985	(0.629)	2829302	500.000	500
	26 Cyclohexane	56	8.070	8.073	(0.636)	2398239	500.000	500
	27 Carbon tetrachloride	117	8.208	8.212	(0.647)	2680495	500.000	510
$	28 1,2-Dichloroethane-d4	65	8.395	8.399	(0.933)	1428824	500.000	500
$	29 Benzene-d6	84	8.435	8.429	(0.665)	4528632	500.000	500
	30 Benzene	78	8.484	8.488	(0.669)	4138803	500.000	500
	31 1,2-Dichloroethane	62	8.504	8.498	(0.945)	1554750	500.000	490
*	32 1,4-Difluorobenzene	114	8.998	9.001	(1.000)	2612728	250.000	
	33 Trichloroethene	95	9.343	9.347	(0.737)	2238686	500.000	490
$	34 1,2-Dichloropropane-d6	67	9.521	9.515	(0.751)	2946032	500.000	490
	35 Methylcyclohexane	55	9.610	9.604	(0.758)	2572799	500.000	490
	36 1,2-Dichloropropane	63	9.629	9.623	(0.759)	2213060	500.000	500
$	37 1,4-Dioxane-d8	96	9.797	9.791	(1.089)	318723	10000.0	10000
	38 1,4-Dioxane	88	9.857	9.851	(1.095)	358895	10000.0	10000
	39 Bromodichloromethane	83	9.975	9.979	(0.787)	3729653	500.000	500
	40 cis-1,3-Dichloropropene	75	10.548	10.551	(0.832)	3418220	500.000	500
	41 4-Methyl-2-pentanone	43	10.755	10.759	(0.848)	3755435	1000.00	1000
$	42 Toluene-d8	98	10.893	10.897	(0.859)	5168930	500.000	490
	43 Toluene	91	10.982	10.976	(0.866)	5386581	500.000	490
$	44 trans-1,3-Dichloropropene-d4	79	11.189	11.193	(0.882)	2649826	500.000	510
	45 trans-1,3-Dichloropropene	75	11.229	11.233	(0.886)	2703464	500.000	510
	46 1,1,2-Trichloroethane	97	11.456	11.460	(0.903)	1749834	500.000	490
	47 Tetrachloroethene	164	11.673	11.667	(0.921)	1779051	500.000	480
$	48 2-Hexanone-d5	63	11.722	11.716	(0.924)	1607898	1000.00	1100
	49 2-Hexanone	43	11.782	11.776	(0.929)	2962949	1000.00	1100
	50 Dibromochloromethane	129	11.950	11.953	(0.942)	3156373	500.000	510
	51 1,2-Dibromoethane	107	12.107	12.101	(0.955)	2608612	500.000	510
*	52 Chlorobenzene-d5	117	12.680	12.674	(1.000)	2104687	250.000	
	53 Chlorobenzene	112	12.710	12.714	(1.002)	3977572	500.000	490
	54 Ethylbenzene	91	12.838	12.842	(1.012)	6267005	500.000	470
	55 m,p-Xylene	106	12.986	12.990	(1.024)	2293929	500.000	460
	56 o-Xylene	106	13.470	13.474	(1.062)	2157474	500.000	470
	57 Styrene	104	13.480	13.484	(1.063)	3761300	500.000	480
	58 Bromoform	173	13.707	13.711	(0.886)	2128402	500.000	540
	59 Isopropylbenzene	105	13.914	13.918	(1.097)	6419028	500.000	460
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.220	14.214	(1.121)	3237732	500.000	490
	61 1,1,2,2-Tetrachloroethane	83	14.250	14.254	(1.124)	3097435	500.000	490
	62 1,3-Dichlorobenzene	146	15.395	15.399	(0.996)	2977735	500.000	480

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.464	15.468	(1.000)	977178	250.000	(Q)
64 1,4-Dichlorobenzene	146	15.484	15.488	(1.001)	3377640	500.000	480
$ 65 1,2-Dichlorobenzene-d4	152	15.859	15.863	(1.026)	2005627	500.000	450
66 1,2-Dichlorobenzene	146	15.879	15.883	(1.027)	2947921	500.000	490
67 1,2-Dibromo-3-chloropropane	75	16.610	16.613	(1.074)	644379	500.000	540
68 1,2,4-Trichlorobenzene	180	17.419	17.423	(1.126)	1912618	500.000	490
69 1,2,3-Trichlorobenzene	180	17.913	17.917	(1.158)	1873141	500.000	500
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

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

Manual Integration Report

Data File: nid07.d
Lab Sample ID: IC
Inj. Date and Time: 30-JUL-2013 01:22
Instrument ID: N.i
Client ID: VSTD050NG
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/30/2013

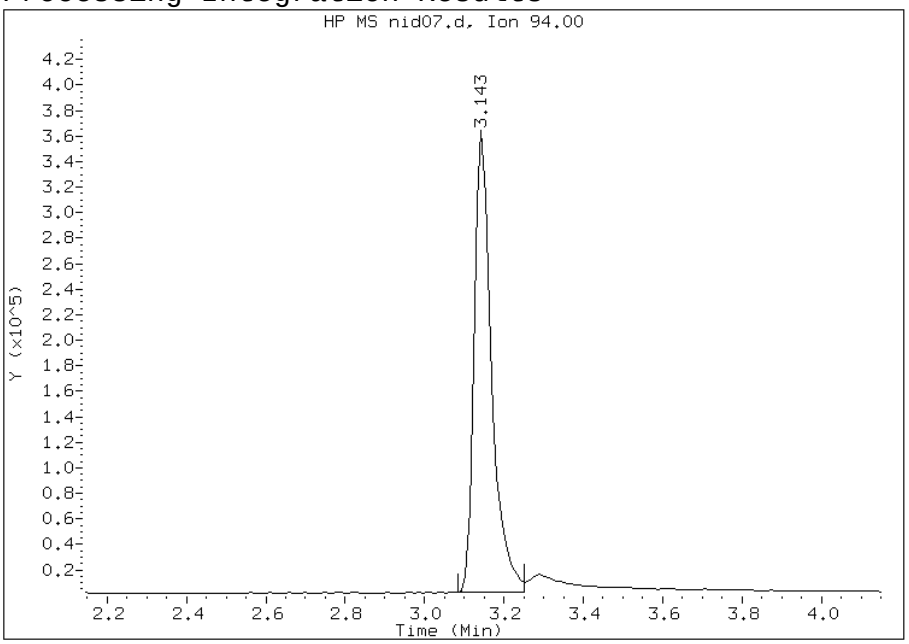
Processing Integration Results

RT: 3.14

Response: 1112634

Amount: 308.89

Conc: 30.89



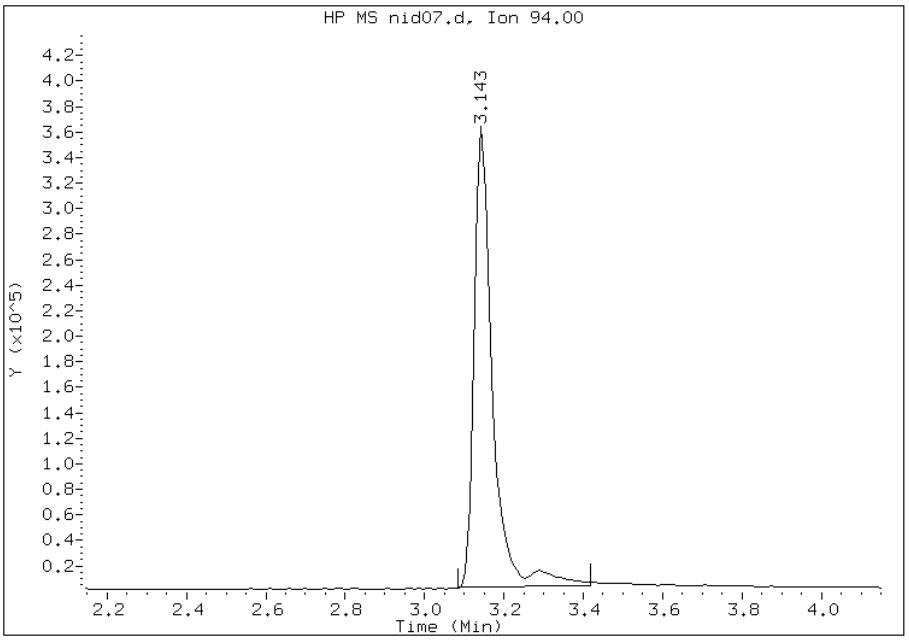
Manual Integration Results

RT: 3.14

Response: 1168255

Amount: 470.10

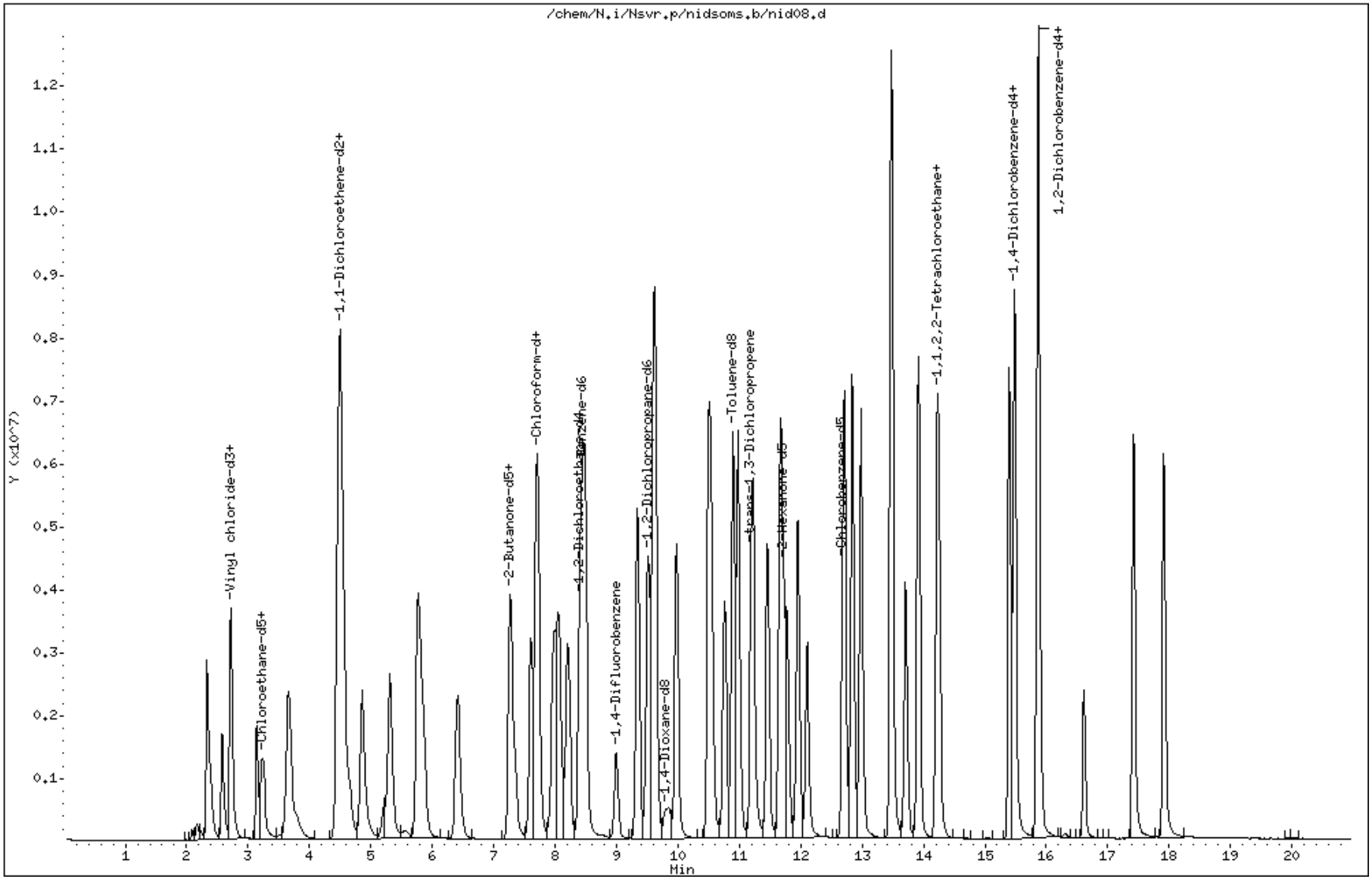
Conc: 470.10



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid08.d
Date : 30-JUL-2013 01:51
Client ID: VSTD100NG
Sample Info: IC
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidsoms.b/nid08.d
Lab Smp Id: IC Client Smp ID: VSTD100NG
Inj Date : 30-JUL-2013 01:51 MS Autotune Date: 19-MAY-1992 09:52
Operator : jpd Inst ID: N.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidsoms.b/soms4t.m
Meth Date : 30-Jul-2013 09:54 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.334	2.337	(0.259)	7047284	1000.00	960
	2 Chloromethane	50	2.571	2.584	(0.286)	3691454	1000.00	960
$	3 Vinyl chloride-d3	65	2.709	2.712	(0.301)	3794439	1000.00	960
	4 Vinyl chloride	62	2.719	2.722	(0.302)	3982092	1000.00	950
	5 Bromomethane	94	3.143	3.147	(0.349)	2348565	1000.00	950
$	6 Chloroethane-d5	69	3.222	3.255	(0.358)	1811874	1000.00	640
	7 Chloroethane	64	3.262	3.295	(0.362)	1426328	1000.00	630
	8 Trichlorofluoromethane	101	3.657	3.700	(0.406)	7461051	1000.00	960
$	9 1,1-Dichloroethene-d2	63	4.476	4.509	(0.497)	7835863	1000.00	940
	10 1,1-Dichloroethene	96	4.496	4.529	(0.500)	3318760	1000.00	950
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.516	4.539	(0.502)	7061115	1000.00	940
	12 Acetone	43	4.664	4.648	(0.518)	1869532	2000.00	2000(A)
	13 Carbon disulfide	76	4.861	4.884	(0.540)	10216406	1000.00	960
	14 Methyl acetate	43	5.207	5.210	(0.579)	1991893	1000.00	970
	15 Methylene chloride	84	5.315	5.319	(0.591)	3303360	1000.00	950

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.770	5.773	(0.641)	3572953	1000.00	980
	17 Methyl tert-butyl ether	73	5.829	5.842	(0.648)	7283434	1000.00	980
	18 1,1-Dichloroethane	63	6.411	6.415	(0.713)	6805443	1000.00	960
$	19 2-Butanone-d5	46	7.260	7.254	(0.807)	2937746	2000.00	2000
	20 cis-1,2-Dichloroethene	96	7.270	7.274	(0.808)	3510387	1000.00	990
	21 2-Butanone	43	7.349	7.343	(0.817)	2863979	2000.00	1900
	22 Bromochloromethane	128	7.606	7.609	(0.845)	2136842	1000.00	1000
$	23 Chloroform-d	84	7.695	7.698	(0.855)	7079537	1000.00	960
	24 Chloroform	83	7.724	7.728	(0.858)	6567381	1000.00	950
	25 1,1,1-Trichloroethane	97	7.981	7.985	(0.629)	5562244	1000.00	970
	26 Cyclohexane	56	8.060	8.073	(0.636)	4595701	1000.00	940
	27 Carbon tetrachloride	117	8.208	8.212	(0.647)	5266373	1000.00	980
$	28 1,2-Dichloroethane-d4	65	8.396	8.399	(0.933)	2841417	1000.00	990
$	29 Benzene-d6	84	8.435	8.429	(0.665)	8890375	1000.00	960
	30 Benzene	78	8.485	8.488	(0.669)	8116837	1000.00	970
	31 1,2-Dichloroethane	62	8.504	8.498	(0.945)	3078317	1000.00	970
*	32 1,4-Difluorobenzene	114	8.998	9.001	(1.000)	2646652	250.000	
	33 Trichloroethene	95	9.344	9.347	(0.737)	4417707	1000.00	960
$	34 1,2-Dichloropropane-d6	67	9.511	9.515	(0.750)	5758724	1000.00	950
	35 Methylcyclohexane	55	9.610	9.604	(0.758)	4817426	1000.00	910
	36 1,2-Dichloropropane	63	9.630	9.623	(0.759)	4124871	1000.00	930
$	37 1,4-Dioxane-d8	96	9.798	9.791	(1.089)	582613	20000.0	19000
	38 1,4-Dioxane	88	9.857	9.851	(1.095)	669561	20000.0	19000
	39 Bromodichloromethane	83	9.975	9.979	(0.787)	7438588	1000.00	990
	40 cis-1,3-Dichloropropene	75	10.548	10.551	(0.832)	6734215	1000.00	970
	41 4-Methyl-2-pentanone	43	10.765	10.759	(0.849)	6997648	2000.00	1900
$	42 Toluene-d8	98	10.894	10.897	(0.859)	10279330	1000.00	960
	43 Toluene	91	10.982	10.976	(0.866)	10582012	1000.00	950
$	44 trans-1,3-Dichloropropene-d4	79	11.190	11.193	(0.882)	5255354	1000.00	1000
	45 trans-1,3-Dichloropropene	75	11.229	11.233	(0.886)	5347263	1000.00	990
	46 1,1,2-Trichloroethane	97	11.456	11.460	(0.903)	3403289	1000.00	950
	47 Tetrachloroethene	164	11.674	11.667	(0.921)	3537374	1000.00	950
$	48 2-Hexanone-d5	63	11.723	11.716	(0.924)	2920150	2000.00	1900
	49 2-Hexanone	43	11.782	11.776	(0.929)	5438875	2000.00	2000
	50 Dibromochloromethane	129	11.960	11.953	(0.943)	6244546	1000.00	990
	51 1,2-Dibromoethane	107	12.108	12.101	(0.955)	5090270	1000.00	990
*	52 Chlorobenzene-d5	117	12.681	12.674	(1.000)	2150538	250.000	
	53 Chlorobenzene	112	12.710	12.714	(1.002)	8026314	1000.00	970
	54 Ethylbenzene	91	12.838	12.842	(1.012)	12575490	1000.00	940
	55 m,p-Xylene	106	12.987	12.990	(1.024)	4618451	1000.00	930
	56 o-Xylene	106	13.470	13.474	(1.062)	4335557	1000.00	940
	57 Styrene	104	13.480	13.484	(1.063)	7547732	1000.00	950
	58 Bromoform	173	13.707	13.711	(0.886)	4202386	1000.00	1000(A)
	59 Isopropylbenzene	105	13.915	13.918	(1.097)	12900798	1000.00	930
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.221	14.214	(1.121)	6116507	1000.00	920
	61 1,1,2,2-Tetrachloroethane	83	14.250	14.254	(1.124)	5860051	1000.00	930
	62 1,3-Dichlorobenzene	146	15.396	15.399	(0.996)	6330178	1000.00	980

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.465	15.468	(1.000)	1032192	250.000	(Q)
64 1,4-Dichlorobenzene	146	15.484	15.488	(1.001)	7070596	1000.00	960
$ 65 1,2-Dichlorobenzene-d4	152	15.860	15.863	(1.026)	4096785	1000.00	890
66 1,2-Dichlorobenzene	146	15.879	15.883	(1.027)	6041930	1000.00	970
67 1,2-Dibromo-3-chloropropane	75	16.610	16.613	(1.074)	1238830	1000.00	990
68 1,2,4-Trichlorobenzene	180	17.419	17.423	(1.126)	4194524	1000.00	1000(A)
69 1,2,3-Trichlorobenzene	180	17.913	17.917	(1.158)	4040601	1000.00	1000(A)
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1118

Lab File Id: NIDA02.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025NH Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.650	0.010	-6.5	40.0
Chloromethane	0.362	0.344	0.010	-5.0	40.0
Vinyl chloride	0.395	0.371	0.100	-6.0	25.0
Bromomethane	0.235	0.242	0.100	3.2	25.0
Chloroethane	0.212	0.217	0.010	2.2	40.0
Trichlorofluoromethane	0.736	0.698	0.010	-5.1	40.0
1,1-Dichloroethene	0.330	0.321	0.100	-2.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.713	0.680	0.010	-4.7	40.0
Acetone	0.088	0.113	0.010	28.4	40.0
Carbon disulfide	1.002	0.988	0.010	-1.4	40.0
Methyl acetate	0.194	0.187	0.010	-4.0	40.0
Methylene chloride	0.330	0.314	0.010	-4.9	40.0
trans-1,2-Dichloroethene	0.345	0.346	0.010	0.3	40.0
Methyl tert-butyl ether	0.704	0.680	0.010	-3.4	40.0
1,1-Dichloroethane	0.671	0.647	0.200	-3.5	25.0
cis-1,2-Dichloroethene	0.337	0.332	0.010	-1.5	40.0
2-Butanone	0.140	0.155	0.010	11.0	40.0
Bromochloromethane	0.202	0.198	0.050	-2.2	25.0
Chloroform	0.650	0.637	0.200	-2.1	25.0
1,1,1-Trichloroethane	0.666	0.631	0.010	-5.2	25.0
Cyclohexane	0.567	0.539	0.010	-4.9	40.0
Carbon tetrachloride	0.623	0.594	0.010	-4.7	25.0
Benzene	0.975	0.936	0.400	-4.1	25.0
1,2-Dichloroethane	0.299	0.293	0.100	-2.1	25.0
1,4-Dioxane	0.003	0.003	0.005	1.2	50.0
Trichloroethene	0.534	0.517	0.300	-3.3	25.0
Methylcyclohexane	0.614	0.591	0.010	-3.8	40.0

Report 1,4-Dioxane for Low/Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1118

Lab File Id: NIDA02.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025NH Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.513	0.490	0.010	-4.6	40.0
Bromodichloromethane	0.877	0.851	0.200	-3.0	25.0
cis-1,3-Dichloropropene	0.807	0.784	0.200	-2.9	25.0
4-Methyl-2-pentanone	0.422	0.410	0.010	-2.6	40.0
Toluene	1.295	1.267	0.400	-2.2	25.0
trans-1,3-Dichloropropene	0.630	0.623	0.010	-1.0	25.0
1,1,2-Trichloroethane	0.417	0.395	0.010	-5.3	25.0
Tetrachloroethene	0.433	0.428	0.010	-1.2	25.0
2-Hexanone	0.323	0.358	0.010	11.0	40.0
Dibromochloromethane	0.733	0.718	0.010	-2.0	25.0
1,2-Dibromoethane	0.600	0.585	0.010	-2.6	40.0
Chlorobenzene	0.964	0.942	0.500	-2.3	25.0
Ethylbenzene	1.549	1.546	0.100	-0.2	25.0
o-Xylene	0.538	0.534	0.300	-0.6	25.0
m,p-Xylene	0.577	0.576	0.300	-0.2	25.0
Styrene	0.924	0.932	0.300	0.9	25.0
Bromoform	1.008	0.916	0.050	-9.2	25.0
Isopropylbenzene	1.618	1.623	0.010	0.3	40.0
1,1,2,2-Tetrachloroethane	0.732	0.702	0.300	-4.1	25.0
1,3-Dichlorobenzene	1.568	1.480	0.600	-5.7	25.0
1,4-Dichlorobenzene	1.781	1.766	0.500	-0.8	25.0
1,2-Dichlorobenzene	1.513	1.446	0.400	-4.4	25.0
1,2-Dibromo-3-chloropropane	0.305	0.274	0.010	-10.2	40.0
1,2,4-Trichlorobenzene	1.005	1.066	0.200	6.0	25.0
1,2,3-Trichlorobenzene	0.969	0.985	0.200	1.7	25.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1118

Lab File Id: NIDA02.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025NH Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

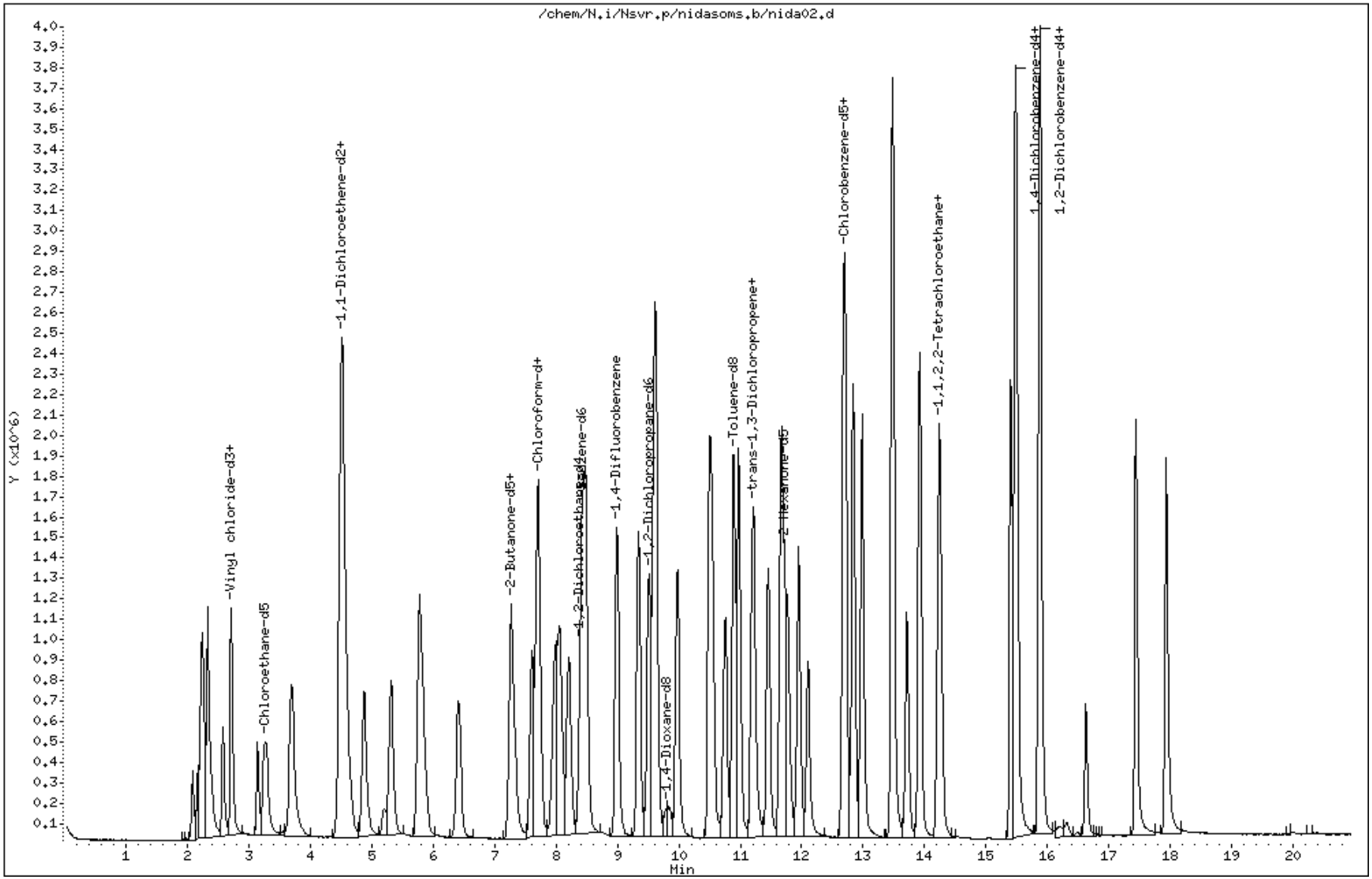
Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.373	0.358	0.010	-4.1	25.0
Chloroethane-d5	0.269	0.272	0.010	1.4	40.0
1,1-Dichloroethene-d2	0.789	0.765	0.010	-3.0	25.0
2-Butanone-d5	0.142	0.162	0.010	14.2	40.0
Chloroform-d	0.700	0.685	0.010	-2.2	25.0
1,2-Dichloroethane-d4	0.271	0.268	0.010	-1.0	25.0
Benzene-d6	1.073	1.029	0.010	-4.0	25.0
1,2-Dichloropropane-d6	0.707	0.663	0.010	-6.3	40.0
Toluene-d8	1.246	1.189	0.010	-4.5	25.0
trans-1,3-Dichloropropene-d4	0.614	0.608	0.010	-0.9	25.0
2-Hexanone-d5	0.174	0.193	0.010	10.6	40.0
1,4-Dioxane-d8	0.003	0.003	0.005	1.2	50.0
1,1,2,2-Tetrachloroethane-d2	0.771	0.723	0.010	-6.3	25.0
1,2-Dichlorobenzene-d4	1.110	1.000	0.010	-9.9	25.0

Report 1,4-Dioxane-d8 for Low/Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida02.d
Date : 30-JUL-2013 11:18
Client ID: VSTD025NH
Sample Info: CCVIS
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidasoms.b/nida02.d
Lab Smp Id: CCVIS Client Smp ID: VSTD025NH
Inj Date : 30-JUL-2013 11:18
Operator : jpd Inst ID: N.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 02-Aug-2013 14:53 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.338	2.337	(0.260)	1907739	250.000	230
	2 Chloromethane	50	2.575	2.584	(0.286)	1010574	250.000	240
$	3 Vinyl chloride-d3	65	2.714	2.712	(0.302)	1049650	250.000	240
	4 Vinyl chloride	62	2.723	2.722	(0.303)	1090435	250.000	240
	5 Bromomethane	94	3.148	3.147	(0.350)	710379	250.000	260
$	6 Chloroethane-d5	69	3.257	3.255	(0.362)	799708	250.000	250
	7 Chloroethane	64	3.296	3.295	(0.367)	637154	250.000	260
	8 Trichlorofluoromethane	101	3.701	3.700	(0.412)	2049444	250.000	240
$	9 1,1-Dichloroethene-d2	63	4.501	4.509	(0.500)	2245284	250.000	240
	10 1,1-Dichloroethene	96	4.520	4.529	(0.503)	943489	250.000	240
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.540	4.539	(0.505)	1995029	250.000	240
	12 Acetone	43	4.649	4.648	(0.517)	664077	500.000	640
	13 Carbon disulfide	76	4.876	4.884	(0.542)	2898703	250.000	250
	14 Methyl acetate	43	5.211	5.210	(0.580)	547470	250.000	240
	15 Methylene chloride	84	5.320	5.319	(0.592)	920688	250.000	240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.774	5.773	(0.642)	1014273	250.000	250
	17 Methyl tert-butyl ether	73	5.833	5.842	(0.649)	1995659	250.000	240
	18 1,1-Dichloroethane	63	6.416	6.415	(0.713)	1900161	250.000	240
$	19 2-Butanone-d5	46	7.255	7.254	(0.807)	950589	500.000	570
	20 cis-1,2-Dichloroethene	96	7.275	7.274	(0.809)	973503	250.000	250
	21 2-Butanone	43	7.344	7.343	(0.817)	911498	500.000	550
	22 Bromochloromethane	128	7.610	7.609	(0.846)	581235	250.000	240
$	23 Chloroform-d	84	7.699	7.698	(0.856)	2009537	250.000	240
	24 Chloroform	83	7.719	7.728	(0.858)	1868890	250.000	240
	25 1,1,1-Trichloroethane	97	7.986	7.985	(0.630)	1552786	250.000	240
	26 Cyclohexane	56	8.065	8.073	(0.636)	1325989	250.000	240
	27 Carbon tetrachloride	117	8.213	8.212	(0.648)	1460853	250.000	240
$	28 1,2-Dichloroethane-d4	65	8.390	8.399	(0.933)	787749	250.000	250
$	29 Benzene-d6	84	8.430	8.429	(0.665)	2531966	250.000	240
	30 Benzene	78	8.479	8.488	(0.669)	2301256	250.000	240
	31 1,2-Dichloroethane	62	8.499	8.498	(0.945)	860064	250.000	240
*	32 1,4-Difluorobenzene	114	8.993	9.001	(1.000)	2935288	250.000	
	33 Trichloroethene	95	9.348	9.347	(0.738)	1270991	250.000	240
$	34 1,2-Dichloropropane-d6	67	9.516	9.515	(0.751)	1629982	250.000	230
	35 Methylcyclohexane	55	9.605	9.604	(0.758)	1453191	250.000	240
	36 1,2-Dichloropropane	63	9.625	9.623	(0.759)	1204729	250.000	240
$	37 1,4-Dioxane-d8	96	9.792	9.791	(1.089)	172712	5000.00	5100
	38 1,4-Dioxane	88	9.861	9.851	(1.097)	199925	5000.00	5100
	39 Bromodichloromethane	83	9.980	9.979	(0.787)	2092679	250.000	240
	40 cis-1,3-Dichloropropene	75	10.543	10.551	(0.832)	1928471	250.000	240
	41 4-Methyl-2-pentanone	43	10.760	10.759	(0.849)	2019444	500.000	490
$	42 Toluene-d8	98	10.898	10.897	(0.860)	2925995	250.000	240
	43 Toluene	91	10.977	10.976	(0.866)	3117065	250.000	240
$	44 trans-1,3-Dichloropropene-d4	79	11.194	11.193	(0.883)	1496410	250.000	250
	45 trans-1,3-Dichloropropene	75	11.224	11.233	(0.886)	1533137	250.000	250
	46 1,1,2-Trichloroethane	97	11.461	11.460	(0.904)	972624	250.000	240
	47 Tetrachloroethene	164	11.668	11.667	(0.921)	1052701	250.000	250
$	48 2-Hexanone-d5	63	11.718	11.716	(0.924)	947337	500.000	550
	49 2-Hexanone	43	11.777	11.776	(0.929)	1761475	500.000	550
	50 Dibromochloromethane	129	11.954	11.953	(0.943)	1767423	250.000	250
	51 1,2-Dibromoethane	107	12.103	12.101	(0.955)	1438057	250.000	240
*	52 Chlorobenzene-d5	117	12.675	12.674	(1.000)	2459915	250.000	
	53 Chlorobenzene	112	12.715	12.714	(1.003)	2317820	250.000	240
	54 Ethylbenzene	91	12.843	12.842	(1.013)	3802794	250.000	250
	55 m,p-Xylene	106	12.981	12.990	(1.024)	1416434	250.000	250
	56 o-Xylene	106	13.475	13.474	(1.063)	1314601	250.000	250
	57 Styrene	104	13.485	13.484	(1.064)	2291540	250.000	250
	58 Bromoform	173	13.712	13.711	(0.886)	1161393	250.000	230
	59 Isopropylbenzene	105	13.919	13.918	(1.098)	3992278	250.000	250
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.225	14.214	(1.122)	1777906	250.000	230
	61 1,1,2,2-Tetrachloroethane	83	14.255	14.254	(1.125)	1726220	250.000	240
	62 1,3-Dichlorobenzene	146	15.400	15.399	(0.996)	1876741	250.000	240

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.469	15.468	(1.000)	1268484	250.000	
64 1,4-Dichlorobenzene	146	15.499	15.488	(1.002)	2240372	250.000	250
$ 65 1,2-Dichlorobenzene-d4	152	15.864	15.863	(1.026)	1268139	250.000	230
66 1,2-Dichlorobenzene	146	15.884	15.883	(1.027)	1833826	250.000	240
67 1,2-Dibromo-3-chloropropane	75	16.624	16.613	(1.075)	346940	250.000	220
68 1,2,4-Trichlorobenzene	180	17.434	17.423	(1.127)	1352037	250.000	270
69 1,2,3-Trichlorobenzene	180	17.937	17.917	(1.160)	1249776	250.000	250
84 Naphthalene	128	Compound Not Detected.					

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1728

Lab File Id: NIDA14.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025HN Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.664	0.010	-4.4	50.0
Chloromethane	0.362	0.361	0.010	-0.5	50.0
Vinyl chloride	0.395	0.380	0.010	-3.9	50.0
Bromomethane	0.235	0.225	0.010	-3.9	50.0
Chloroethane	0.212	0.217	0.010	2.4	50.0
Trichlorofluoromethane	0.736	0.701	0.010	-4.7	50.0
1,1-Dichloroethene	0.330	0.320	0.010	-3.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.713	0.676	0.010	-5.2	50.0
Acetone	0.088	0.099	0.010	12.7	50.0
Carbon disulfide	1.002	0.967	0.010	-3.5	50.0
Methyl acetate	0.194	0.189	0.010	-2.8	50.0
Methylene chloride	0.330	0.315	0.010	-4.4	50.0
trans-1,2-Dichloroethene	0.345	0.337	0.010	-2.3	50.0
Methyl tert-butyl ether	0.704	0.700	0.010	-0.5	50.0
1,1-Dichloroethane	0.671	0.647	0.010	-3.5	50.0
cis-1,2-Dichloroethene	0.337	0.327	0.010	-3.0	50.0
2-Butanone	0.140	0.138	0.010	-1.3	50.0
Bromochloromethane	0.202	0.199	0.010	-1.6	50.0
Chloroform	0.650	0.631	0.010	-3.0	50.0
1,1,1-Trichloroethane	0.666	0.630	0.010	-5.3	50.0
Cyclohexane	0.567	0.541	0.010	-4.6	50.0
Carbon tetrachloride	0.623	0.593	0.010	-4.8	50.0
Benzene	0.975	0.958	0.010	-1.8	50.0
1,2-Dichloroethane	0.299	0.300	0.010	0.2	50.0
1,4-Dioxane	0.003	0.003	0.005	-1.9	50.0
Trichloroethene	0.534	0.507	0.010	-5.2	50.0
Methylcyclohexane	0.614	0.581	0.010	-5.4	50.0

Report 1,4-Dioxane for Low/Medium VOA analysis only

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1728

Lab File Id: NIDA14.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025HN Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.513	0.515	0.010	0.4	50.0
Bromodichloromethane	0.877	0.861	0.010	-1.8	50.0
cis-1,3-Dichloropropene	0.807	0.797	0.010	-1.2	50.0
4-Methyl-2-pentanone	0.422	0.408	0.010	-3.2	50.0
Toluene	1.295	1.245	0.010	-3.9	50.0
trans-1,3-Dichloropropene	0.630	0.627	0.010	-0.4	50.0
1,1,2-Trichloroethane	0.417	0.403	0.010	-3.5	50.0
Tetrachloroethene	0.433	0.403	0.010	-7.1	50.0
2-Hexanone	0.323	0.330	0.010	2.3	50.0
Dibromochloromethane	0.733	0.734	0.010	0.1	50.0
1,2-Dibromoethane	0.600	0.604	0.010	0.6	50.0
Chlorobenzene	0.964	0.928	0.010	-3.8	50.0
Ethylbenzene	1.549	1.444	0.010	-6.8	50.0
o-Xylene	0.538	0.512	0.010	-4.7	50.0
m,p-Xylene	0.577	0.533	0.010	-7.6	50.0
Styrene	0.924	0.890	0.010	-3.7	50.0
Bromoform	1.008	1.003	0.010	-0.4	50.0
Isopropylbenzene	1.618	1.502	0.010	-7.2	50.0
1,1,2,2-Tetrachloroethane	0.732	0.726	0.010	-0.8	50.0
1,3-Dichlorobenzene	1.568	1.454	0.010	-7.3	50.0
1,4-Dichlorobenzene	1.781	1.694	0.010	-4.9	50.0
1,2-Dichlorobenzene	1.513	1.474	0.010	-2.6	50.0
1,2-Dibromo-3-chloropropane	0.305	0.300	0.010	-1.4	50.0
1,2,4-Trichlorobenzene	1.005	0.993	0.010	-1.2	50.0
1,2,3-Trichlorobenzene	0.969	0.959	0.010	-1.0	50.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/30/2013 Time: 1728

Lab File Id: NIDA14.D Init. Calib. Date(s): 07/29/2013 07/30/2013

EPA Sample No.(VSTD####): VSTD025HN Init. Calib. Time(s): 2357 0151

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.373	0.362	0.010	-3.0	50.0
Chloroethane-d5	0.269	0.280	0.010	4.2	50.0
1,1-Dichloroethene-d2	0.789	0.761	0.010	-3.5	50.0
2-Butanone-d5	0.142	0.144	0.010	1.8	50.0
Chloroform-d	0.700	0.681	0.010	-2.7	50.0
1,2-Dichloroethane-d4	0.271	0.273	0.010	0.7	50.0
Benzene-d6	1.073	1.040	0.010	-3.1	50.0
1,2-Dichloropropane-d6	0.707	0.689	0.010	-2.6	50.0
Toluene-d8	1.246	1.194	0.010	-4.1	50.0
trans-1,3-Dichloropropene-d4	0.614	0.609	0.010	-0.8	50.0
2-Hexanone-d5	0.174	0.177	0.010	1.7	50.0
1,4-Dioxane-d8	0.003	0.003	0.005	-0.9	50.0
1,1,2,2-Tetrachloroethane-d2	0.771	0.756	0.010	-1.9	50.0
1,2-Dichlorobenzene-d4	1.110	1.023	0.010	-7.8	50.0

Report 1,4-Dioxane-d8 for Low/Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida14.d

Page 1

Date : 30-JUL-2013 17:28

Client ID: VSTD025HN

Instrument: N.i

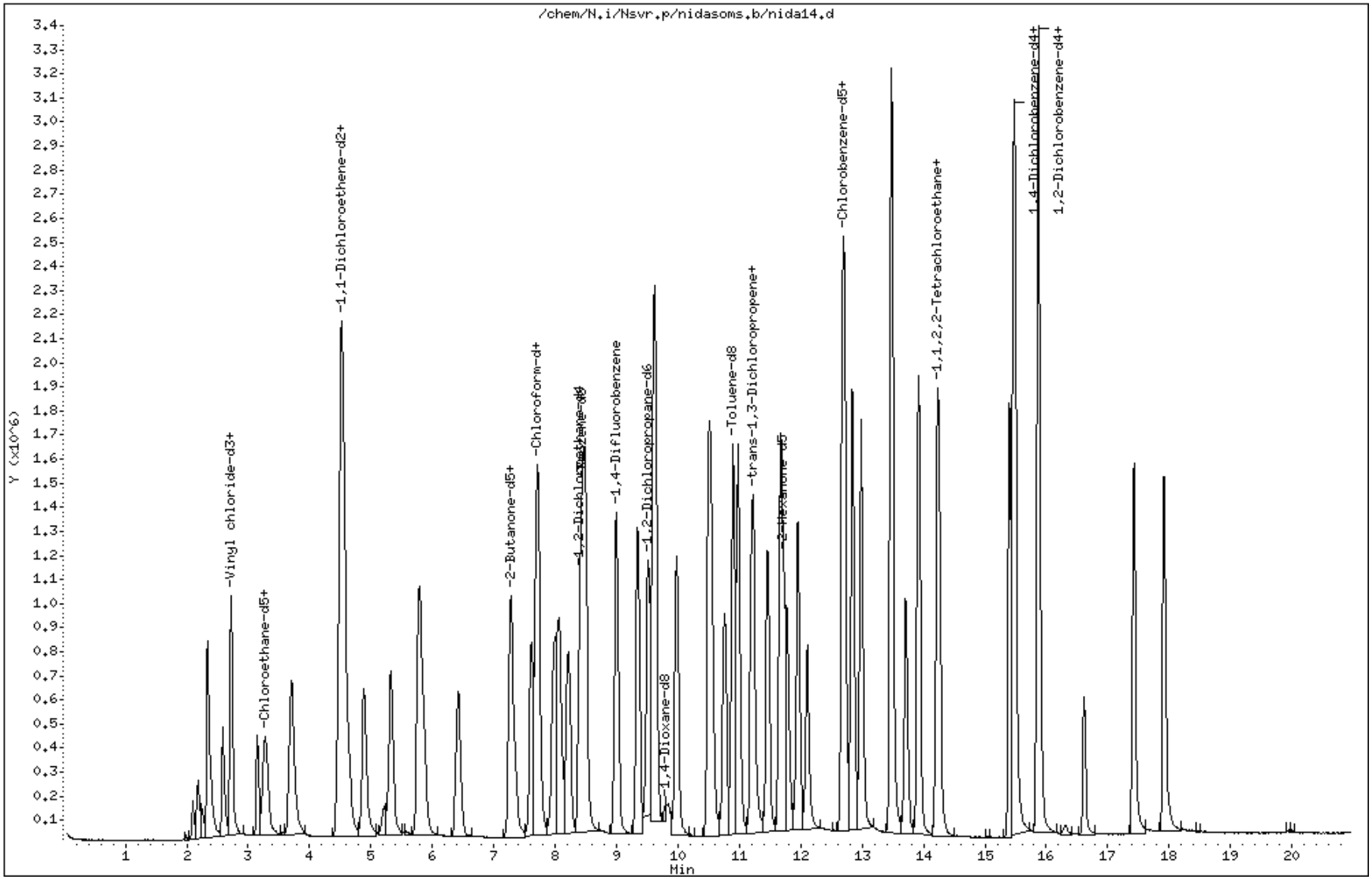
Sample Info: CCVC

Purge Volume: 10.0

Operator: jpd

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidasoms.b/nida14.d
Lab Smp Id: CCVC Client Smp ID: VSTD025HN
Inj Date : 30-JUL-2013 17:28
Operator : jpd Inst ID: N.i
Smp Info : CCVC
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 02-Aug-2013 14:53 jd1 Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.343	2.337	(0.260)	1724969	250.000	240
	2 Chloromethane	50	2.590	2.584	(0.288)	936607	250.000	250
$	3 Vinyl chloride-d3	65	2.718	2.712	(0.302)	939771	250.000	240
	4 Vinyl chloride	62	2.728	2.722	(0.303)	986618	250.000	240
	5 Bromomethane	94	3.152	3.147	(0.350)	585662	250.000	240
$	6 Chloroethane-d5	69	3.261	3.255	(0.362)	727598	250.000	260
	7 Chloroethane	64	3.300	3.295	(0.367)	564782	250.000	260
	8 Trichlorofluoromethane	101	3.705	3.700	(0.412)	1822022	250.000	240
$	9 1,1-Dichloroethene-d2	63	4.515	4.509	(0.502)	1976871	250.000	240
	10 1,1-Dichloroethene	96	4.525	4.529	(0.503)	831573	250.000	240
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.544	4.539	(0.505)	1756030	250.000	240
	12 Acetone	43	4.653	4.648	(0.517)	516140	500.000	560
	13 Carbon disulfide	76	4.890	4.884	(0.544)	2511948	250.000	240
	14 Methyl acetate	43	5.216	5.210	(0.580)	490733	250.000	240
	15 Methylene chloride	84	5.324	5.319	(0.592)	818870	250.000	240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	16 trans-1,2-Dichloroethene	96	5.779	5.773	(0.642)	874634	250.000	240
	17 Methyl tert-butyl ether	73	5.838	5.842	(0.649)	1818536	250.000	250
	18 1,1-Dichloroethane	63	6.420	6.415	(0.714)	1681134	250.000	240
$	19 2-Butanone-d5	46	7.259	7.254	(0.807)	750578	500.000	510
	20 cis-1,2-Dichloroethene	96	7.279	7.274	(0.809)	848571	250.000	240
	21 2-Butanone	43	7.348	7.343	(0.817)	717773	500.000	490
	22 Bromochloromethane	128	7.615	7.609	(0.846)	517804	250.000	250
$	23 Chloroform-d	84	7.704	7.698	(0.856)	1769652	250.000	240
	24 Chloroform	83	7.723	7.728	(0.858)	1638561	250.000	240
	25 1,1,1-Trichloroethane	97	7.980	7.985	(0.629)	1350021	250.000	240
	26 Cyclohexane	56	8.069	8.073	(0.636)	1159014	250.000	240
	27 Carbon tetrachloride	117	8.217	8.212	(0.648)	1270026	250.000	240
$	28 1,2-Dichloroethane-d4	65	8.405	8.399	(0.934)	708820	250.000	250
$	29 Benzene-d6	84	8.434	8.429	(0.665)	2226676	250.000	240
	30 Benzene	78	8.484	8.488	(0.669)	2051364	250.000	250
	31 1,2-Dichloroethane	62	8.503	8.498	(0.945)	778629	250.000	250
*	32 1,4-Difluorobenzene	114	8.997	9.001	(1.000)	2598031	250.000	
	33 Trichloroethene	95	9.343	9.347	(0.737)	1085002	250.000	240
$	34 1,2-Dichloropropane-d6	67	9.510	9.515	(0.750)	1475329	250.000	240
	35 Methylcyclohexane	55	9.609	9.604	(0.758)	1243687	250.000	240
	36 1,2-Dichloropropane	63	9.629	9.623	(0.759)	1102926	250.000	250
$	37 1,4-Dioxane-d8	96	9.797	9.791	(1.089)	149670	5000.00	5000
	38 1,4-Dioxane	88	9.856	9.851	(1.095)	171558	5000.00	4900
	39 Bromodichloromethane	83	9.974	9.979	(0.787)	1843715	250.000	250
	40 cis-1,3-Dichloropropene	75	10.547	10.551	(0.832)	1707564	250.000	250
	41 4-Methyl-2-pentanone	43	10.754	10.759	(0.848)	1747216	500.000	480
$	42 Toluene-d8	98	10.903	10.897	(0.860)	2558329	250.000	240
	43 Toluene	91	10.982	10.976	(0.866)	2665975	250.000	240
$	44 trans-1,3-Dichloropropene-d4	79	11.199	11.193	(0.883)	1303468	250.000	250
	45 trans-1,3-Dichloropropene	75	11.228	11.233	(0.886)	1343449	250.000	250
	46 1,1,2-Trichloroethane	97	11.465	11.460	(0.904)	862918	250.000	240
	47 Tetrachloroethene	164	11.673	11.667	(0.921)	862425	250.000	230
$	48 2-Hexanone-d5	63	11.722	11.716	(0.924)	758452	500.000	510
	49 2-Hexanone	43	11.781	11.776	(0.929)	1413711	500.000	510
	50 Dibromochloromethane	129	11.959	11.953	(0.943)	1571069	250.000	250
	51 1,2-Dibromoethane	107	12.107	12.101	(0.955)	1293114	250.000	250
*	52 Chlorobenzene-d5	117	12.680	12.674	(1.000)	2141802	250.000	
	53 Chlorobenzene	112	12.709	12.714	(1.002)	1987965	250.000	240
	54 Ethylbenzene	91	12.838	12.842	(1.012)	3092871	250.000	230
	55 m,p-Xylene	106	12.986	12.990	(1.024)	1142087	250.000	230
	56 o-Xylene	106	13.469	13.474	(1.062)	1097165	250.000	240
	57 Styrene	104	13.489	13.484	(1.064)	1906029	250.000	240
	58 Bromoform	173	13.716	13.711	(0.887)	1036108	250.000	250
	59 Isopropylbenzene	105	13.924	13.918	(1.098)	3216778	250.000	230
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.220	14.214	(1.121)	1619604	250.000	250
	61 1,1,2,2-Tetrachloroethane	83	14.249	14.254	(1.124)	1555755	250.000	250
	62 1,3-Dichlorobenzene	146	15.405	15.399	(0.996)	1500926	250.000	230

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 63 1,4-Dichlorobenzene-d4	152	15.464	15.468	(1.000)	1032527	250.000	
64 1,4-Dichlorobenzene	146	15.493	15.488	(1.002)	1748971	250.000	240
$ 65 1,2-Dichlorobenzene-d4	152	15.859	15.863	(1.026)	1056530	250.000	230
66 1,2-Dichlorobenzene	146	15.878	15.883	(1.027)	1522094	250.000	240
67 1,2-Dibromo-3-chloropropane	75	16.609	16.613	(1.074)	309869	250.000	250
68 1,2,4-Trichlorobenzene	180	17.428	17.423	(1.127)	1025289	250.000	250
69 1,2,3-Trichlorobenzene	180	17.922	17.917	(1.159)	989710	250.000	250
84 Naphthalene	128	17.695	17.729	(1.144)	1043	250.000	(a)

QC Flag Legend

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

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1012

Lab File Id: NHYW03.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050NI Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.597	0.784	0.010	31.4	40.0
Chloromethane	0.353	0.440	0.010	24.7	40.0
Vinyl chloride	0.383	0.471	0.100	23.0	25.0
Bromomethane	0.314	0.359	0.100	14.5	25.0
Chloroethane	0.224	0.274	0.010	22.6	40.0
Trichlorofluoromethane	0.771	0.867	0.010	12.5	40.0
1,1-Dichloroethene	0.395	0.403	0.100	2.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.829	0.811	0.010	-2.2	40.0
Acetone	0.061	0.070	0.010	14.2	40.0
Carbon disulfide	1.178	1.188	0.010	0.8	40.0
Methyl acetate	0.234	0.261	0.010	11.2	40.0
Methylene chloride	0.409	0.416	0.010	1.7	40.0
trans-1,2-Dichloroethene	0.420	0.431	0.010	2.5	40.0
Methyl tert-butyl ether	0.943	0.944	0.010	0.1	40.0
1,1-Dichloroethane	0.769	0.829	0.200	7.8	25.0
cis-1,2-Dichloroethene	0.411	0.427	0.010	3.8	40.0
2-Butanone	0.122	0.140	0.010	13.9	40.0
Bromochloromethane	0.272	0.276	0.050	1.6	25.0
Chloroform	0.797	0.813	0.200	2.0	25.0
1,1,1-Trichloroethane	0.565	0.605	0.010	7.1	25.0
Cyclohexane	0.448	0.484	0.010	8.2	40.0
Carbon tetrachloride	0.540	0.564	0.010	4.4	25.0
Benzene	0.858	0.911	0.400	6.2	25.0
1,2-Dichloroethane	0.381	0.409	0.100	7.4	25.0
1,4-Dioxane	0.004	0.004	0.005	5.6	50.0
Trichloroethene	0.382	0.402	0.300	5.2	25.0
Methylcyclohexane	0.434	0.394	0.010	-9.2	40.0

Report 1,4-Dioxane for Low/Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1012

Lab File Id: NHYW03.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050NI Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.435	0.432	0.010	-0.6	40.0
Bromodichloromethane	0.809	0.868	0.200	7.3	25.0
cis-1,3-Dichloropropene	0.728	0.805	0.200	10.7	25.0
4-Methyl-2-pentanone	0.360	0.416	0.010	15.5	40.0
Toluene	1.189	1.241	0.400	4.4	25.0
trans-1,3-Dichloropropene	0.621	0.664	0.010	6.9	25.0
1,1,2-Trichloroethane	0.417	0.437	0.010	4.7	25.0
Tetrachloroethene	0.402	0.409	0.010	1.9	25.0
2-Hexanone	0.249	0.284	0.010	14.2	40.0
Dibromochloromethane	0.725	0.779	0.010	7.5	25.0
1,2-Dibromoethane	0.638	0.653	0.010	2.4	40.0
Chlorobenzene	0.934	0.955	0.500	2.3	25.0
Ethylbenzene	1.440	1.508	0.100	4.7	25.0
o-Xylene	0.527	0.531	0.300	0.9	25.0
m,p-Xylene	0.536	0.556	0.300	3.7	25.0
Styrene	0.904	0.945	0.300	4.5	25.0
Bromoform	0.901	1.009	0.050	12.0	25.0
Isopropylbenzene	1.493	1.536	0.010	2.9	40.0
1,1,2,2-Tetrachloroethane	0.737	0.778	0.300	5.6	25.0
1,3-Dichlorobenzene	1.348	1.490	0.600	10.5	25.0
1,4-Dichlorobenzene	1.567	1.778	0.500	13.5	25.0
1,2-Dichlorobenzene	1.337	1.498	0.400	12.0	25.0
1,2-Dibromo-3-chloropropane	0.262	0.296	0.010	12.8	40.0
1,2,4-Trichlorobenzene	0.984	1.061	0.200	7.8	25.0
1,2,3-Trichlorobenzene	0.894	1.015	0.200	13.6	25.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1012

Lab File Id: NHYW03.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050NI Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

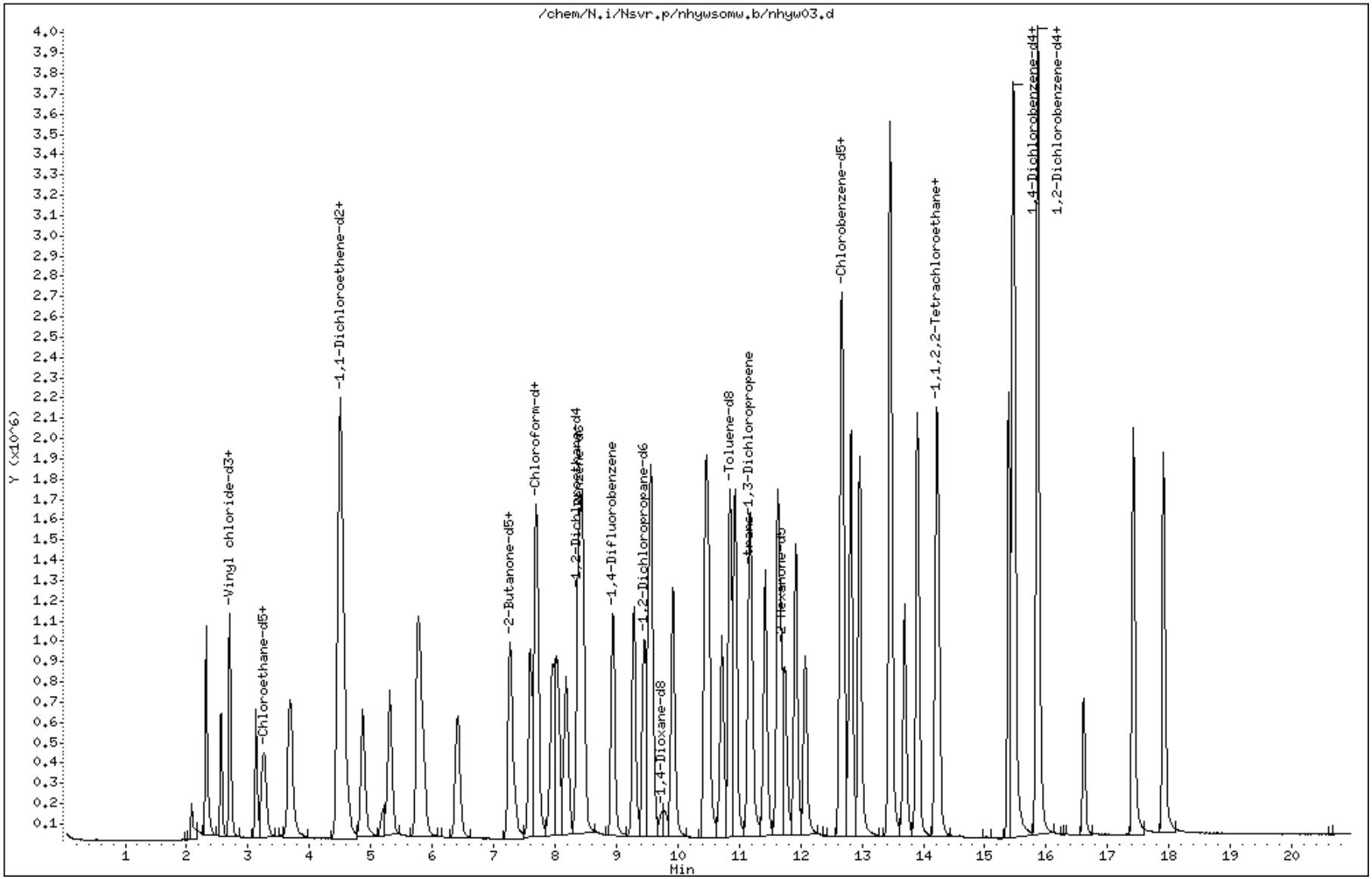
Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.372	0.449	0.010	20.7	25.0
Chloroethane-d5	0.281	0.342	0.010	22.0	40.0
1,1-Dichloroethene-d2	0.853	0.956	0.010	12.1	25.0
2-Butanone-d5	0.133	0.145	0.010	9.1	40.0
Chloroform-d	0.815	0.872	0.010	7.0	25.0
1,2-Dichloroethane-d4	0.344	0.375	0.010	9.1	25.0
Benzene-d6	0.908	0.997	0.010	9.9	25.0
1,2-Dichloropropane-d6	0.556	0.532	0.010	-4.4	40.0
Toluene-d8	1.110	1.183	0.010	6.5	25.0
trans-1,3-Dichloropropene-d4	0.591	0.646	0.010	9.4	25.0
2-Hexanone-d5	0.136	0.151	0.010	10.6	40.0
1,4-Dioxane-d8	0.004	0.004	0.005	-4.3	50.0
1,1,2,2-Tetrachloroethane-d2	0.751	0.799	0.010	6.4	25.0
1,2-Dichlorobenzene-d4	0.879	1.026	0.010	16.7	25.0

Report 1,4-Dioxane-d8 for Low/Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw03.d
Date : 31-JUL-2013 10:12
Client ID: VSTD050NI
Sample Info: CCVIS
Purge Volume: 5.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhywsomw.b/nhyw03.d
Lab Smp Id: CCVIS Client Smp ID: VSTD050NI
Inj Date : 31-JUL-2013 10:12
Operator : jpd Inst ID: N.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.315	2.352	(0.259)	1653912	250.000	330
	2 Chloromethane	50	2.562	2.589	(0.287)	928403	250.000	310
$	3 Vinyl chloride-d3	65	2.700	2.727	(0.302)	947456	250.000	300
	4 Vinyl chloride	62	2.710	2.737	(0.303)	992339	250.000	310
	5 Bromomethane	94	3.124	3.172	(0.349)	757239	250.000	290
$	6 Chloroethane-d5	69	3.243	3.290	(0.363)	722252	250.000	310
	7 Chloroethane	64	3.282	3.330	(0.367)	578002	250.000	310
	8 Trichlorofluoromethane	101	3.687	3.734	(0.412)	1828396	250.000	280
$	9 1,1-Dichloroethene-d2	63	4.487	4.544	(0.502)	2015233	250.000	280
	10 1,1-Dichloroethene	96	4.506	4.574	(0.504)	849690	250.000	260(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.526	4.584	(0.506)	1710624	250.000	240
	12 Acetone	43	4.635	4.692	(0.518)	294485	500.000	570
	13 Carbon disulfide	76	4.862	4.929	(0.544)	2504553	250.000	250
	14 Methyl acetate	43	5.198	5.255	(0.581)	549915	250.000	280
	15 Methylene chloride	84	5.306	5.373	(0.594)	876950	250.000	250
	16 trans-1,2-Dichloroethene	96	5.770	5.827	(0.645)	907987	250.000	260
	17 Methyl tert-butyl ether	73	5.820	5.887	(0.651)	1990752	250.000	250
	18 1,1-Dichloroethane	63	6.412	6.469	(0.717)	1747813	250.000	270
$	19 2-Butanone-d5	46	7.251	7.299	(0.811)	610052	500.000	550

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	20 cis-1,2-Dichloroethene	96	7.271	7.328	(0.813)	900730	250.000	260
	21 2-Butanone	43	7.340	7.387	(0.821)	588638	500.000	570
	22 Bromochloromethane	128	7.597	7.644	(0.850)	582028	250.000	250
$	23 Chloroform-d	84	7.686	7.733	(0.860)	1839105	250.000	270
	24 Chloroform	83	7.705	7.763	(0.862)	1713841	250.000	250
	25 1,1,1-Trichloroethane	97	7.952	8.009	(0.629)	1390183	250.000	270
	26 Cyclohexane	56	8.041	8.088	(0.636)	1113456	250.000	270
	27 Carbon tetrachloride	117	8.179	8.227	(0.646)	1296842	250.000	260
$	28 1,2-Dichloroethane-d4	65	8.367	8.414	(0.936)	790945	250.000	270
$	29 Benzene-d6	84	8.396	8.444	(0.664)	2293455	250.000	270
	30 Benzene	78	8.446	8.493	(0.668)	2094933	250.000	270
	31 1,2-Dichloroethane	62	8.466	8.513	(0.947)	861971	250.000	270
*	32 1,4-Difluorobenzene	114	8.939	8.997	(1.000)	2108963	250.000	
	33 Trichloroethene	95	9.285	9.332	(0.734)	923737	250.000	260
$	34 1,2-Dichloropropane-d6	67	9.453	9.510	(0.747)	1222611	250.000	240
	35 Methylcyclohexane	55	9.542	9.599	(0.754)	906156	250.000	230
	36 1,2-Dichloropropane	63	9.571	9.619	(0.757)	994001	250.000	250
$	37 1,4-Dioxane-d8	96	9.729	9.796	(1.088)	149406	5000.00	4800
	38 1,4-Dioxane	88	9.798	9.856	(1.096)	178943	5000.00	5300
	39 Bromodichloromethane	83	9.917	9.974	(0.784)	1995300	250.000	270
	40 cis-1,3-Dichloropropene	75	10.499	10.557	(0.830)	1851923	250.000	280
	41 4-Methyl-2-pentanone	43	10.717	10.774	(0.847)	1913601	500.000	580
$	42 Toluene-d8	98	10.855	10.902	(0.858)	2719188	250.000	270
	43 Toluene	91	10.934	10.991	(0.864)	2853476	250.000	260
$	44 trans-1,3-Dichloropropene-d4	79	11.151	11.208	(0.881)	1486272	250.000	270
	45 trans-1,3-Dichloropropene	75	11.190	11.248	(0.884)	1526747	250.000	270
	46 1,1,2-Trichloroethane	97	11.427	11.475	(0.903)	1004819	250.000	260
	47 Tetrachloroethene	164	11.635	11.692	(0.920)	940723	250.000	250
$	48 2-Hexanone-d5	63	11.694	11.751	(0.924)	692403	500.000	550
	49 2-Hexanone	43	11.753	11.810	(0.929)	1305787	500.000	570
	50 Dibromochloromethane	129	11.921	11.978	(0.942)	1791339	250.000	270
	51 1,2-Dibromoethane	107	12.079	12.136	(0.955)	1500714	250.000	260
*	52 Chlorobenzene-d5	117	12.652	12.709	(1.000)	2299232	250.000	
	53 Chlorobenzene	112	12.691	12.748	(1.003)	2196016	250.000	260
	54 Ethylbenzene	91	12.819	12.877	(1.013)	3466255	250.000	260
	55 m,p-Xylene	106	12.958	13.025	(1.024)	1279318	250.000	260
	56 o-Xylene	106	13.451	13.518	(1.063)	1221126	250.000	250
	57 Styrene	104	13.461	13.528	(1.064)	2171974	250.000	260
	58 Bromoform	173	13.688	13.755	(0.886)	1237383	250.000	280
	59 Isopropylbenzene	105	13.905	13.963	(1.099)	3531646	250.000	260
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.202	14.269	(1.123)	1836809	250.000	270
	61 1,1,2,2-Tetrachloroethane	83	14.241	14.308	(1.126)	1788980	250.000	260
	62 1,3-Dichlorobenzene	146	15.386	15.453	(0.996)	1827555	250.000	280
*	63 1,4-Dichlorobenzene-d4	152	15.455	15.513	(1.000)	1226342	250.000	
	64 1,4-Dichlorobenzene	146	15.485	15.542	(1.002)	2180480	250.000	280
$	65 1,2-Dichlorobenzene-d4	152	15.850	15.918	(1.026)	1258209	250.000	290
	66 1,2-Dichlorobenzene	146	15.870	15.937	(1.027)	1837116	250.000	280

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
67 1,2-Dibromo-3-chloropropane	75	16.611	16.668	(1.075)	362934	250.000	280
68 1,2,4-Trichlorobenzene	180	17.420	17.487	(1.127)	1301348	250.000	270
69 1,2,3-Trichlorobenzene	180	17.914	17.991	(1.159)	1244900	250.000	280

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1356

Lab File Id: NHYW08.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050IN Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.597	0.765	0.010	28.2	50.0
Chloromethane	0.353	0.446	0.010	26.2	50.0
Vinyl chloride	0.383	0.465	0.010	21.5	50.0
Bromomethane	0.314	0.315	0.010	0.4	50.0
Chloroethane	0.224	0.271	0.010	21.0	50.0
Trichlorofluoromethane	0.771	0.841	0.010	9.1	50.0
1,1-Dichloroethene	0.395	0.399	0.010	0.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.829	0.787	0.010	-5.1	50.0
Acetone	0.061	0.070	0.010	14.9	50.0
Carbon disulfide	1.178	1.138	0.010	-3.4	50.0
Methyl acetate	0.234	0.255	0.010	8.7	50.0
Methylene chloride	0.409	0.407	0.010	-0.5	50.0
trans-1,2-Dichloroethene	0.420	0.425	0.010	1.3	50.0
Methyl tert-butyl ether	0.943	0.929	0.010	-1.4	50.0
1,1-Dichloroethane	0.769	0.822	0.010	6.9	50.0
cis-1,2-Dichloroethene	0.411	0.421	0.010	2.3	50.0
2-Butanone	0.122	0.139	0.010	13.8	50.0
Bromochloromethane	0.272	0.273	0.010	0.5	50.0
Chloroform	0.797	0.802	0.010	0.7	50.0
1,1,1-Trichloroethane	0.565	0.600	0.010	6.2	50.0
Cyclohexane	0.448	0.474	0.010	5.9	50.0
Carbon tetrachloride	0.540	0.551	0.010	2.0	50.0
Benzene	0.858	0.898	0.010	4.7	50.0
1,2-Dichloroethane	0.381	0.413	0.010	8.4	50.0
1,4-Dioxane	0.004	0.004	0.005	1.7	50.0
Trichloroethene	0.382	0.384	0.010	0.4	50.0
Methylcyclohexane	0.434	0.357	0.010	-17.9	50.0

Report 1,4-Dioxane for Low/Medium VOA analysis only

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1356

Lab File Id: NHYW08.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050IN Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.435	0.407	0.010	-6.5	50.0
Bromodichloromethane	0.809	0.855	0.010	5.7	50.0
cis-1,3-Dichloropropene	0.728	0.800	0.010	9.9	50.0
4-Methyl-2-pentanone	0.360	0.414	0.010	15.0	50.0
Toluene	1.189	1.211	0.010	1.9	50.0
trans-1,3-Dichloropropene	0.621	0.648	0.010	4.2	50.0
1,1,2-Trichloroethane	0.417	0.434	0.010	4.0	50.0
Tetrachloroethene	0.402	0.402	0.010	0.1	50.0
2-Hexanone	0.249	0.284	0.010	14.3	50.0
Dibromochloromethane	0.725	0.770	0.010	6.2	50.0
1,2-Dibromoethane	0.638	0.658	0.010	3.2	50.0
Chlorobenzene	0.934	0.947	0.010	1.5	50.0
Ethylbenzene	1.440	1.497	0.010	4.0	50.0
o-Xylene	0.527	0.526	0.010	-0.1	50.0
m,p-Xylene	0.536	0.538	0.010	0.3	50.0
Styrene	0.904	0.935	0.010	3.4	50.0
Bromoform	0.901	0.972	0.010	7.8	50.0
Isopropylbenzene	1.493	1.520	0.010	1.8	50.0
1,1,2,2-Tetrachloroethane	0.737	0.775	0.010	5.1	50.0
1,3-Dichlorobenzene	1.348	1.447	0.010	7.3	50.0
1,4-Dichlorobenzene	1.567	1.728	0.010	10.3	50.0
1,2-Dichlorobenzene	1.337	1.461	0.010	9.3	50.0
1,2-Dibromo-3-chloropropane	0.262	0.287	0.010	9.5	50.0
1,2,4-Trichlorobenzene	0.984	1.008	0.010	2.5	50.0
1,2,3-Trichlorobenzene	0.894	0.969	0.010	8.4	50.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: N.i Calibration Date: 07/31/2013 Time: 1356

Lab File Id: NHYW08.D Init. Calib. Date(s): 05/06/2013 05/06/2013

EPA Sample No.(VSTD####): VSTD050IN Init. Calib. Time(s): 1157 1350

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.372	0.450	0.010	20.8	50.0
Chloroethane-d5	0.281	0.347	0.010	23.8	50.0
1,1-Dichloroethene-d2	0.853	0.963	0.010	12.9	50.0
2-Butanone-d5	0.133	0.145	0.010	9.6	50.0
Chloroform-d	0.815	0.867	0.010	6.4	50.0
1,2-Dichloroethane-d4	0.344	0.374	0.010	8.7	50.0
Benzene-d6	0.908	0.993	0.010	9.3	50.0
1,2-Dichloropropane-d6	0.556	0.513	0.010	-7.7	50.0
Toluene-d8	1.110	1.174	0.010	5.8	50.0
trans-1,3-Dichloropropene-d4	0.591	0.656	0.010	11.1	50.0
2-Hexanone-d5	0.136	0.151	0.010	11.0	50.0
1,4-Dioxane-d8	0.004	0.004	0.005	-3.1	50.0
1,1,2,2-Tetrachloroethane-d2	0.751	0.802	0.010	6.8	50.0
1,2-Dichlorobenzene-d4	0.879	1.021	0.010	16.1	50.0

Report 1,4-Dioxane-d8 for Low/Medium VOA analysis only

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw08.d

Date : 31-JUL-2013 13:56

Client ID: VSTD050IN

Sample Info: CCVC

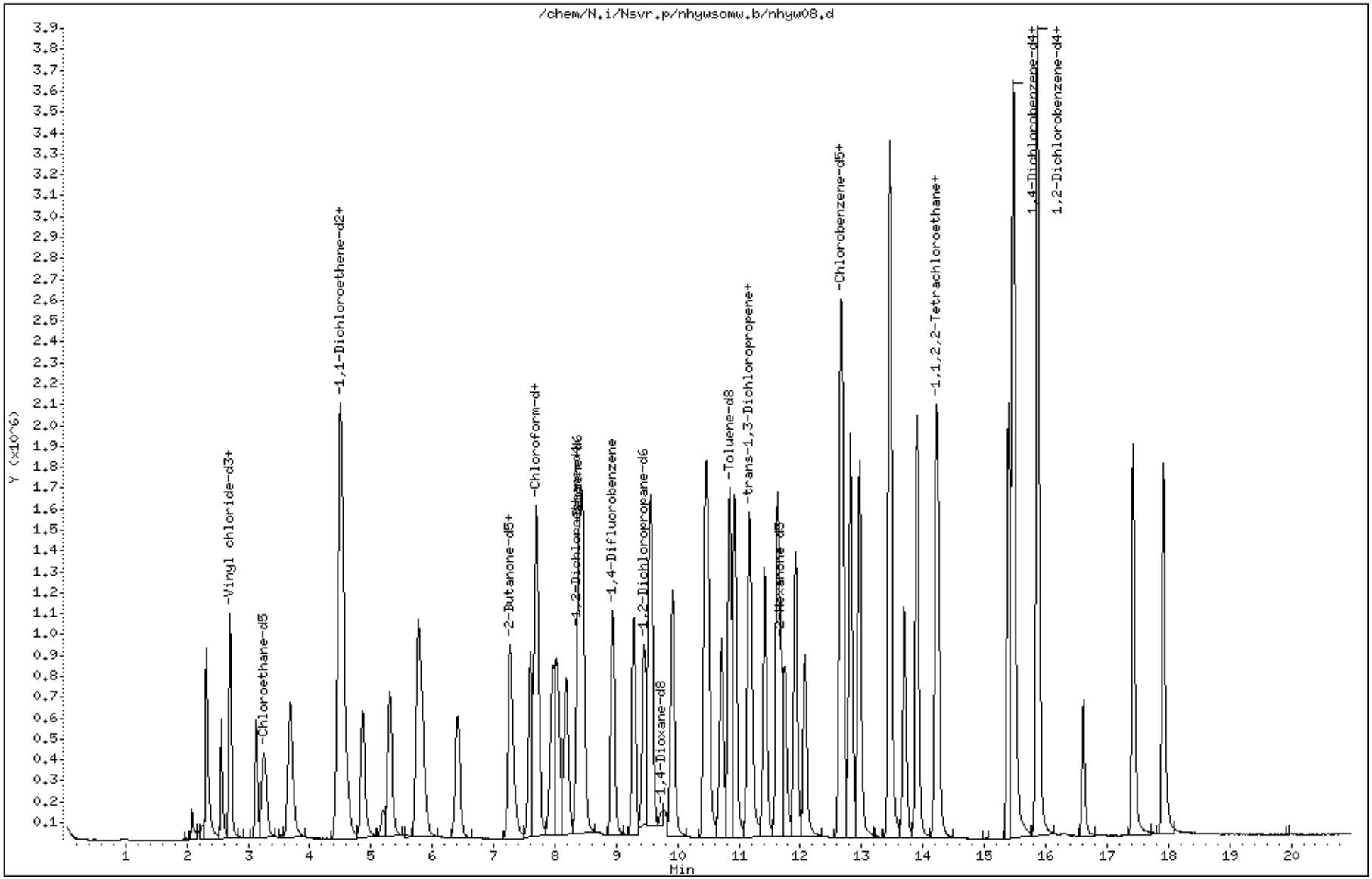
Purge Volume: 5.0

Column phase: DB-624

Instrument: N.i

Operator: jpd

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhywsomw.b/nhyw08.d
Lab Smp Id: CCVC Client Smp ID: VSTD050IN
Inj Date : 31-JUL-2013 13:56
Operator : jpd Inst ID: N.i
Smp Info : CCVC
Misc Info :
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 02-Aug-2013 15:06 jd1 Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Dichlorodifluoromethane	85	2.319	2.352	(0.259)	1571339	250.000	320
	2 Chloromethane	50	2.556	2.589	(0.286)	915344	250.000	320
$	3 Vinyl chloride-d3	65	2.694	2.727	(0.301)	924205	250.000	300
	4 Vinyl chloride	62	2.704	2.737	(0.302)	954858	250.000	300
	5 Bromomethane	94	3.128	3.172	(0.350)	646605	250.000	250
$	6 Chloroethane-d5	69	3.237	3.290	(0.362)	713792	250.000	310
	7 Chloroethane	64	3.286	3.330	(0.367)	555700	250.000	300
	8 Trichlorofluoromethane	101	3.681	3.734	(0.412)	1727499	250.000	270
$	9 1,1-Dichloroethene-d2	63	4.491	4.544	(0.502)	1978000	250.000	280
	10 1,1-Dichloroethene	96	4.510	4.574	(0.504)	818848	250.000	250(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.520	4.584	(0.505)	1616817	250.000	240
	12 Acetone	43	4.639	4.692	(0.519)	288691	500.000	570
	13 Carbon disulfide	76	4.866	4.929	(0.544)	2337707	250.000	240
	14 Methyl acetate	43	5.201	5.255	(0.582)	523521	250.000	270
	15 Methylene chloride	84	5.310	5.373	(0.594)	836474	250.000	250
	16 trans-1,2-Dichloroethene	96	5.764	5.827	(0.645)	873425	250.000	250
	17 Methyl tert-butyl ether	73	5.833	5.887	(0.652)	1908809	250.000	250
	18 1,1-Dichloroethane	63	6.416	6.469	(0.717)	1688357	250.000	270
$	19 2-Butanone-d5	46	7.255	7.299	(0.811)	596933	500.000	550

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	20 cis-1,2-Dichloroethene	96	7.275	7.328	(0.813)	864778	250.000	260
	21 2-Butanone	43	7.344	7.387	(0.821)	572637	500.000	570
	22 Bromochloromethane	128	7.601	7.644	(0.850)	560798	250.000	250
$	23 Chloroform-d	84	7.689	7.733	(0.860)	1780431	250.000	270
	24 Chloroform	83	7.709	7.763	(0.862)	1648370	250.000	250
	25 1,1,1-Trichloroethane	97	7.956	8.009	(0.629)	1340379	250.000	270
	26 Cyclohexane	56	8.045	8.088	(0.636)	1060418	250.000	260
	27 Carbon tetrachloride	117	8.183	8.227	(0.647)	1231968	250.000	250
$	28 1,2-Dichloroethane-d4	65	8.361	8.414	(0.935)	767617	250.000	270
$	29 Benzene-d6	84	8.390	8.444	(0.663)	2219044	250.000	270
	30 Benzene	78	8.450	8.493	(0.668)	2008241	250.000	260
	31 1,2-Dichloroethane	62	8.469	8.513	(0.947)	847453	250.000	270
*	32 1,4-Difluorobenzene	114	8.943	8.997	(1.000)	2054261	250.000	
	33 Trichloroethene	95	9.279	9.332	(0.733)	857651	250.000	250
$	34 1,2-Dichloropropane-d6	67	9.457	9.510	(0.747)	1148024	250.000	230
	35 Methylcyclohexane	55	9.536	9.599	(0.753)	797188	250.000	210
	36 1,2-Dichloropropane	63	9.565	9.619	(0.756)	909199	250.000	230
$	37 1,4-Dioxane-d8	96	9.733	9.796	(1.088)	147384	5000.00	4800
	38 1,4-Dioxane	88	9.792	9.856	(1.095)	167992	5000.00	5100
	39 Bromodichloromethane	83	9.921	9.974	(0.784)	1911276	250.000	260
	40 cis-1,3-Dichloropropene	75	10.493	10.557	(0.829)	1788816	250.000	270
	41 4-Methyl-2-pentanone	43	10.720	10.774	(0.847)	1852950	500.000	580
$	42 Toluene-d8	98	10.849	10.902	(0.857)	2625086	250.000	260
	43 Toluene	91	10.938	10.991	(0.864)	2707935	250.000	250
$	44 trans-1,3-Dichloropropene-d4	79	11.155	11.208	(0.881)	1466736	250.000	280
	45 trans-1,3-Dichloropropene	75	11.194	11.248	(0.885)	1447759	250.000	260
	46 1,1,2-Trichloroethane	97	11.421	11.475	(0.902)	970194	250.000	260
	47 Tetrachloroethene	164	11.629	11.692	(0.919)	898987	250.000	250
$	48 2-Hexanone-d5	63	11.688	11.751	(0.924)	675782	500.000	560
	49 2-Hexanone	43	11.747	11.810	(0.928)	1270699	500.000	570
	50 Dibromochloromethane	129	11.925	11.978	(0.942)	1722422	250.000	270
	51 1,2-Dibromoethane	107	12.073	12.136	(0.954)	1470855	250.000	260
*	52 Chlorobenzene-d5	117	12.655	12.709	(1.000)	2235811	250.000	
	53 Chlorobenzene	112	12.685	12.748	(1.002)	2118164	250.000	250
	54 Ethylbenzene	91	12.813	12.877	(1.012)	3346594	250.000	260
	55 m,p-Xylene	106	12.962	13.025	(1.024)	1203215	250.000	250
	56 o-Xylene	106	13.455	13.518	(1.063)	1175937	250.000	250
	57 Styrene	104	13.465	13.528	(1.064)	2090741	250.000	260
	58 Bromoform	173	13.692	13.755	(0.886)	1174487	250.000	270
	59 Isopropylbenzene	105	13.899	13.963	(1.098)	3398305	250.000	250
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.205	14.269	(1.122)	1793740	250.000	270
	61 1,1,2,2-Tetrachloroethane	83	14.245	14.308	(1.126)	1731651	250.000	260
	62 1,3-Dichlorobenzene	146	15.390	15.453	(0.996)	1749596	250.000	270
*	63 1,4-Dichlorobenzene-d4	152	15.459	15.513	(1.000)	1208842	250.000	
	64 1,4-Dichlorobenzene	146	15.489	15.542	(1.002)	2088866	250.000	280
$	65 1,2-Dichlorobenzene-d4	152	15.854	15.918	(1.026)	1234458	250.000	290
	66 1,2-Dichlorobenzene	146	15.874	15.937	(1.027)	1766241	250.000	270

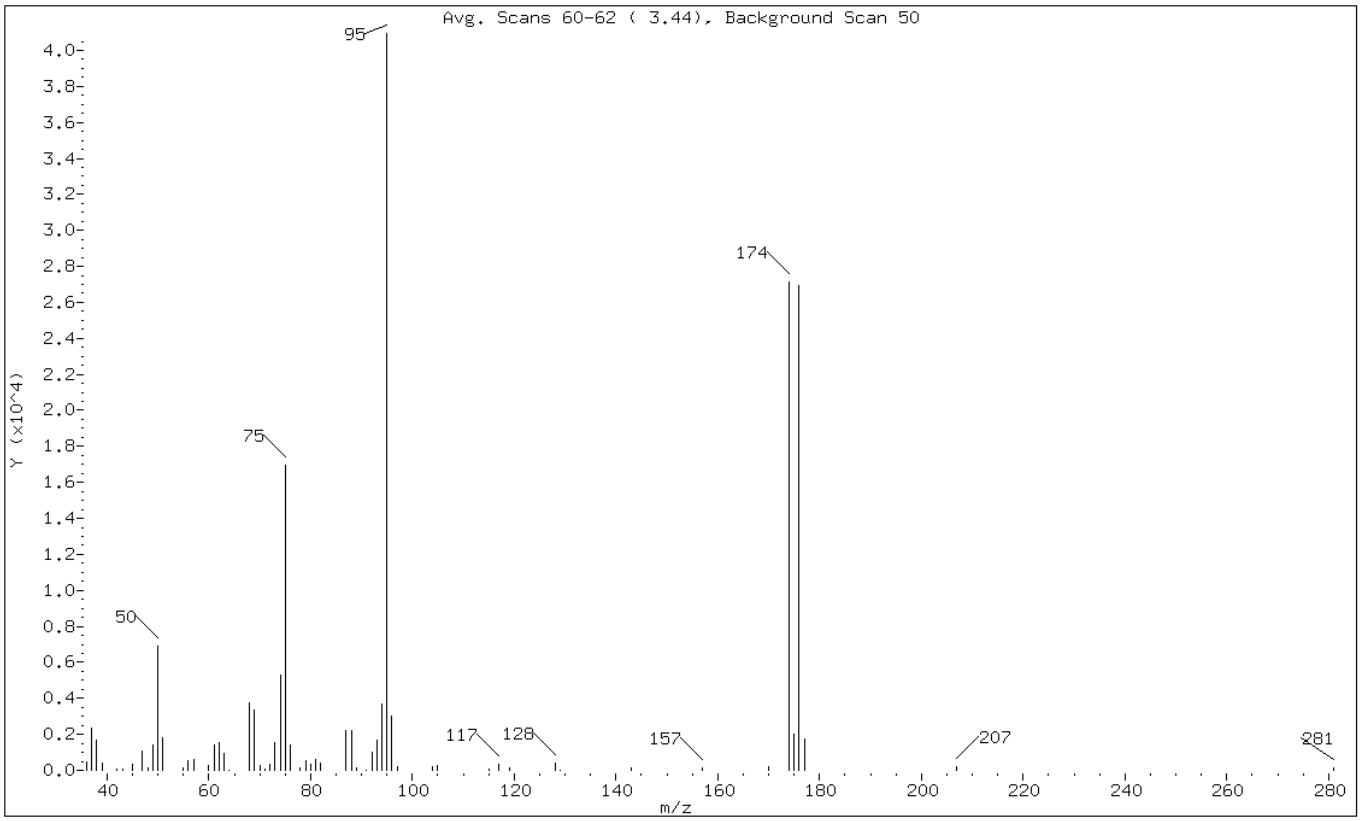
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
67 1,2-Dibromo-3-chloropropane	75	16.614	16.668	(1.075)	347258	250.000	270
68 1,2,4-Trichlorobenzene	180	17.424	17.487	(1.127)	1218950	250.000	260
69 1,2,3-Trichlorobenzene	180	17.918	17.991	(1.159)	1171312	250.000	270

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: nhy01.d
Client ID: BFBNA
Operator: MTP
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 06-MAY-2013 11:20
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.94
75	30.00 - 80.00% of mass 95	41.33
96	5.00 - 9.00% of mass 95	7.39
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	66.26
175	5.00 - 9.00% of mass 174	4.89 (7.38)
176	95.00 - 101.00% of mass 174	65.73 (99.20)
177	5.00 - 9.00% of mass 176	4.21 (6.40)

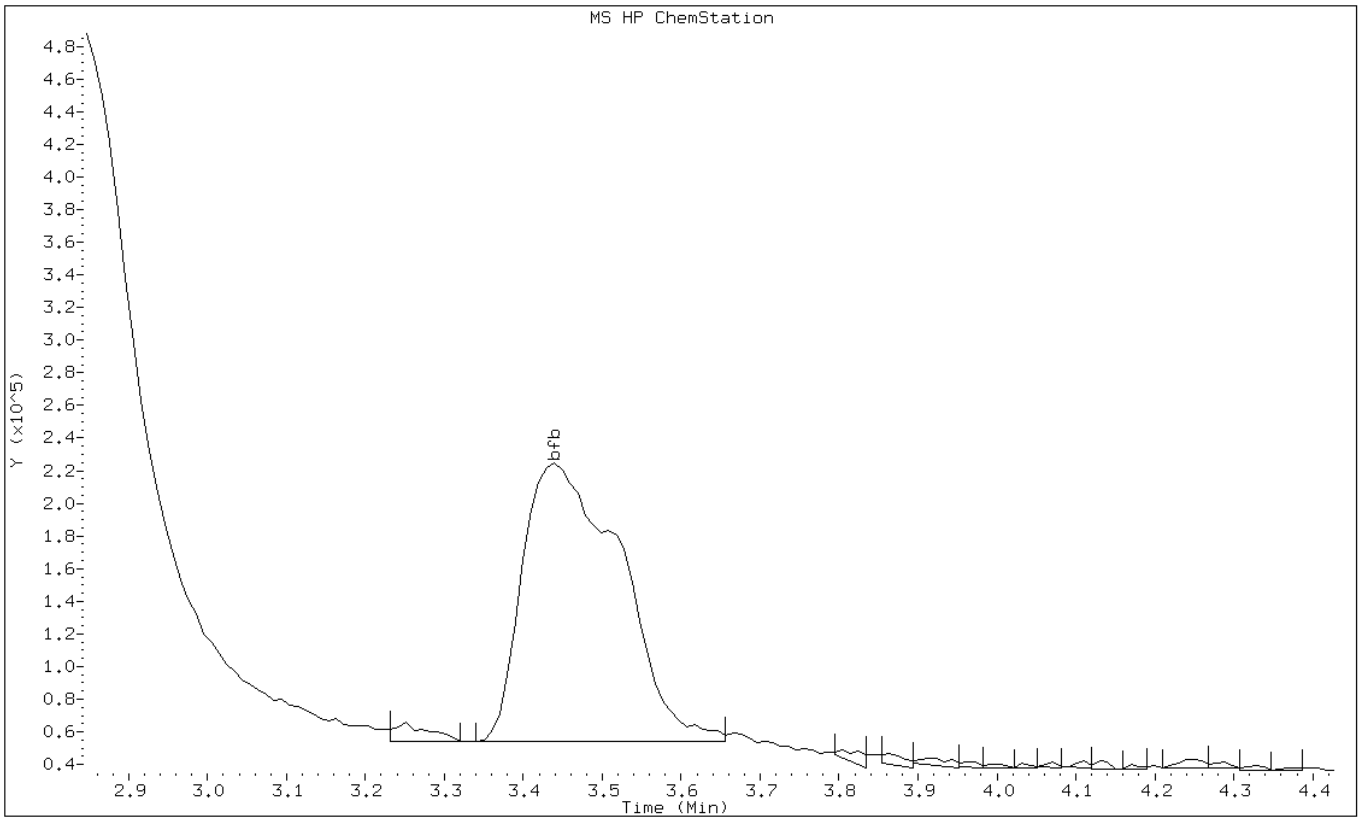
Data File: nhy01.d
Client ID: BFBNA
Operator: MTP
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 06-MAY-2013 11:20
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/N.i/Nsvr.p/nhysomw.b/nhy01.d
Spectrum: Avg. Scans 60-62 (3.44), Background Scan 50
Location of Maximum: 95.00
Number of points: 60

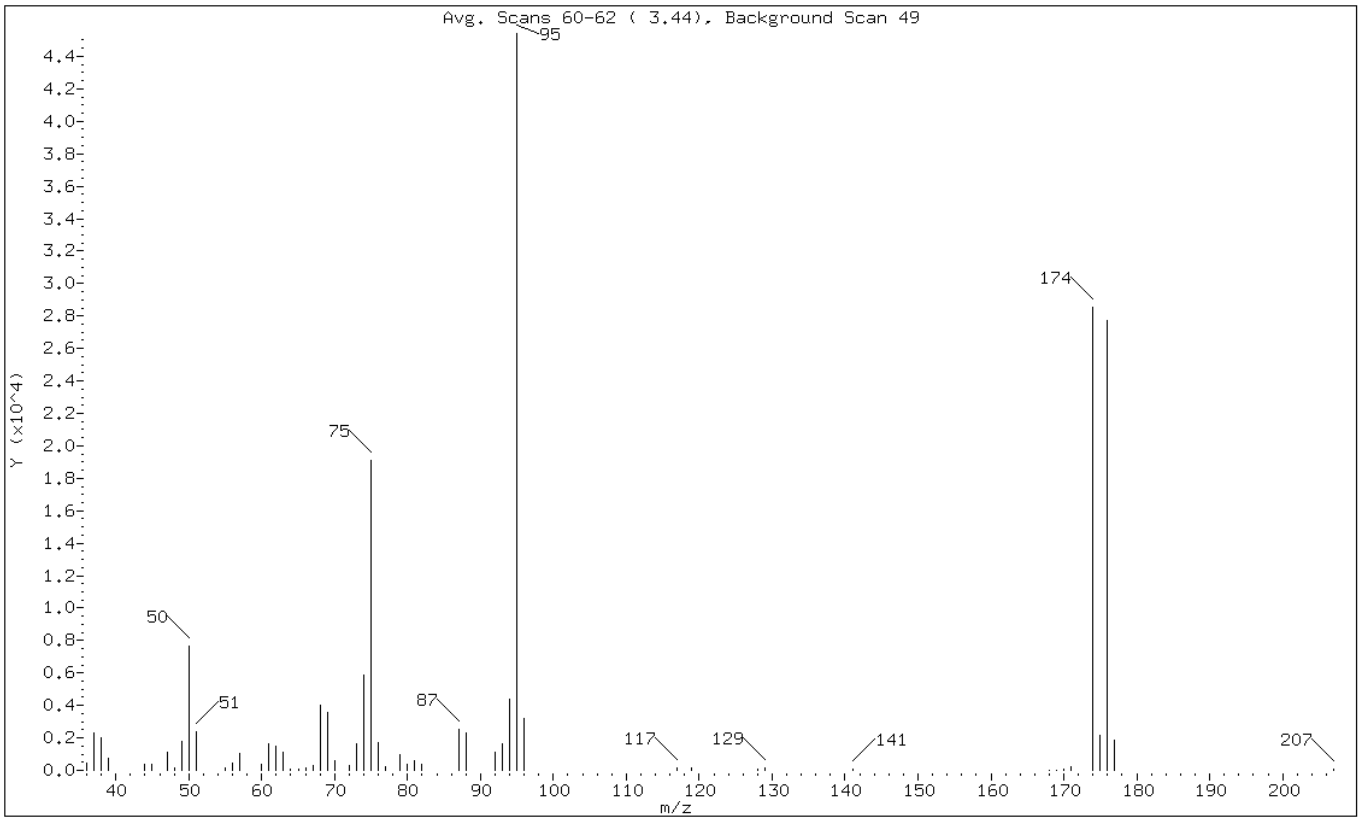
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	451	61.00	1384	81.00	578	119.00	117
37.00	2323	62.00	1550	82.00	407	128.00	411
38.00	1642	63.00	907	87.00	2183	129.00	18
39.00	378	64.00	8	88.00	2236	143.00	107
42.00	47	68.00	3769	89.00	112	157.00	118
43.00	42	69.00	3362	91.00	6	170.00	207
45.00	366	70.00	266	92.00	1024	174.00	27120
47.00	1043	71.00	92	93.00	1647	175.00	2001
48.00	103	72.00	356	94.00	3691	176.00	26904
49.00	1390	73.00	1521	95.00	40936	177.00	1722
50.00	6933	74.00	5303	96.00	3025	207.00	175
51.00	1830	75.00	16920	97.00	233	281.00	132
55.00	162	76.00	1432	104.00	212		
56.00	506	78.00	104	105.00	288		
57.00	613	79.00	523	115.00	49		
60.00	269	80.00	356	117.00	346		

Data File:	nhy01.d	Date:	06-MAY-2013 11:20
Client ID:	BFBNA	Instrument:	N.i
Operator:	MTP	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



Data File: nid01.d
Client ID: BFBNG
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 29-JUL-2013 22:40
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.84
75	30.00 - 80.00% of mass 95	42.03
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	62.89
175	5.00 - 9.00% of mass 174	4.73 (7.53)
176	95.00 - 101.00% of mass 174	61.13 (97.20)
177	5.00 - 9.00% of mass 176	4.06 (6.64)

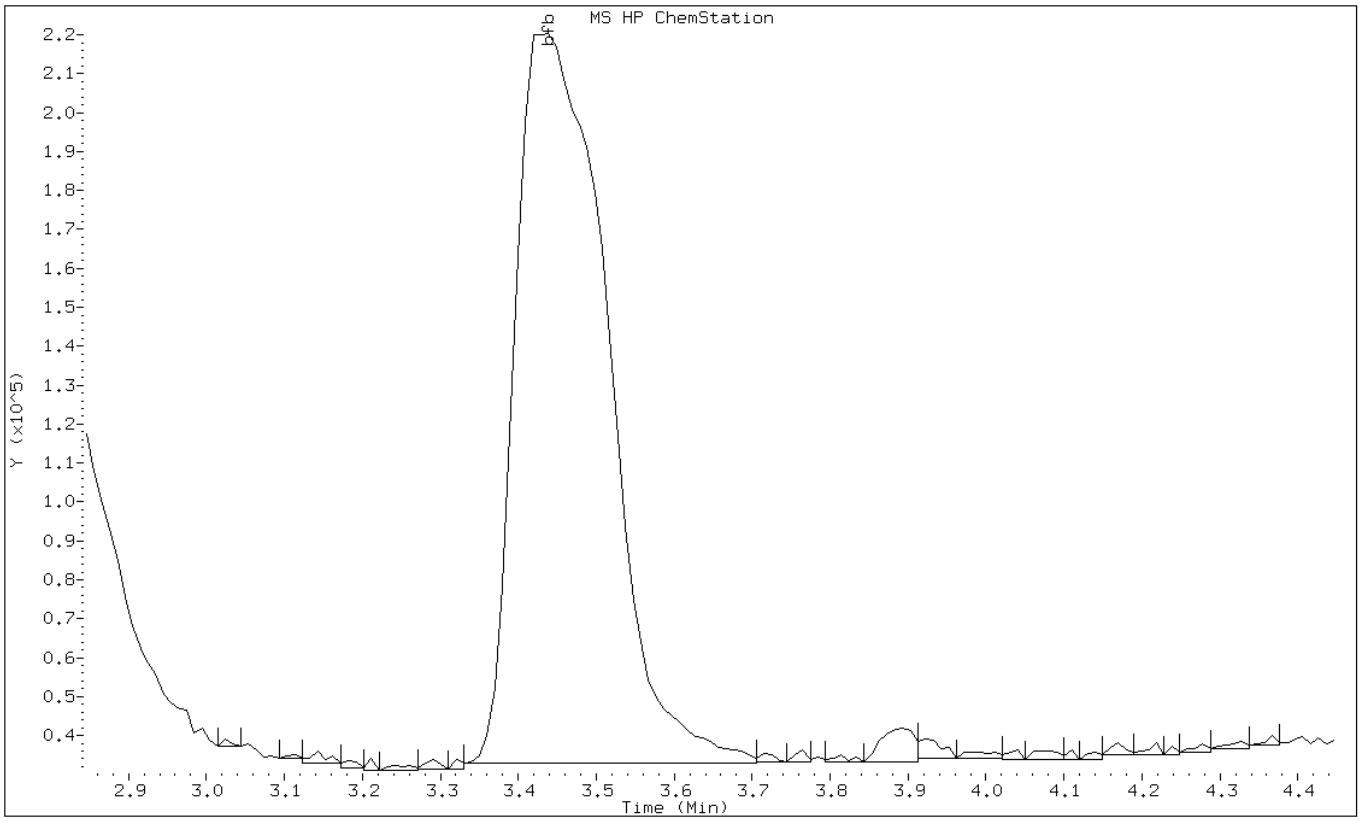
Data File: nid01.d
Client ID: BFBNG
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 29-JUL-2013 22:40
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/N.i/Nsvr.p/nidsoms.b/nid01.d
Spectrum: Avg. Scans 60-62 (3.44), Background Scan 49
Location of Maximum: 95.00
Number of points: 56

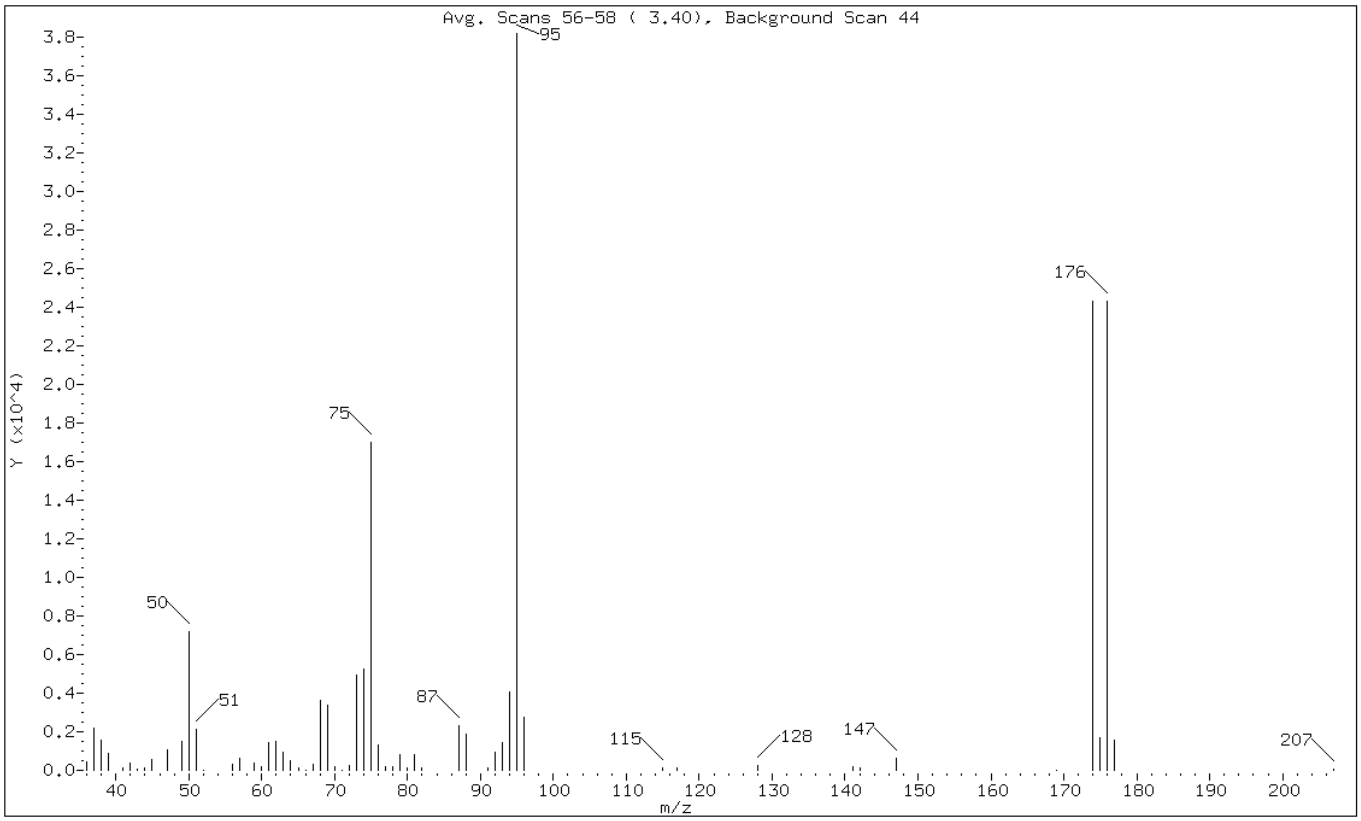
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	434	61.00	1645	77.00	245	129.00	122
37.00	2301	62.00	1520	79.00	1000	141.00	77
38.00	2003	63.00	1110	80.00	374	168.00	17
39.00	719	64.00	55	81.00	568	169.00	14
44.00	385	65.00	50	82.00	355	170.00	109
45.00	389	66.00	116	87.00	2537	171.00	225
47.00	1127	67.00	326	88.00	2298	174.00	28552
48.00	117	68.00	4007	92.00	1123	175.00	2149
49.00	1780	69.00	3531	93.00	1659	176.00	27752
50.00	7645	70.00	624	94.00	4348	177.00	1843
51.00	2400	72.00	330	95.00	45408	207.00	76
55.00	113	73.00	1643	96.00	3166		
56.00	468	74.00	5848	117.00	117		
57.00	1044	75.00	19080	119.00	114		
60.00	355	76.00	1681	128.00	100		

Data File:	nid01.d	Date:	29-JUL-2013 22:40
Client ID:	BFBNG	Instrument:	N.i
Operator:	jpd	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



Data File: nida01.d
Client ID: BFBNH
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 30-JUL-2013 10:51
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.81
75	30.00 - 80.00% of mass 95	44.49
96	5.00 - 9.00% of mass 95	7.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	63.65
175	5.00 - 9.00% of mass 174	4.43 (6.96)
176	95.00 - 101.00% of mass 174	63.66 (100.02)
177	5.00 - 9.00% of mass 176	4.06 (6.38)

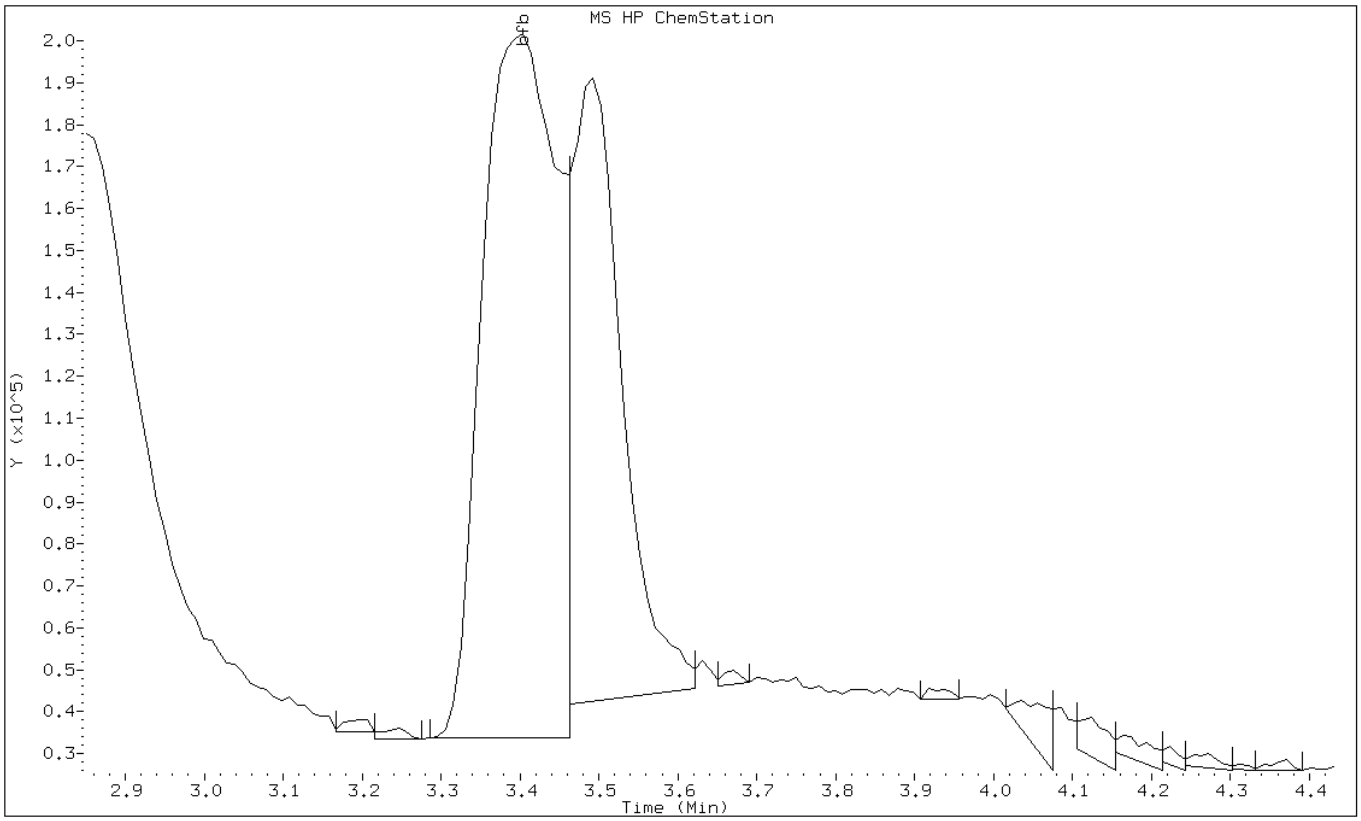
Data File: nida01.d
Client ID: BFBNH
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 30-JUL-2013 10:51
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida01.d
Spectrum: Avg. Scans 56-58 (3.40), Background Scan 44
Location of Maximum: 95.00
Number of points: 60

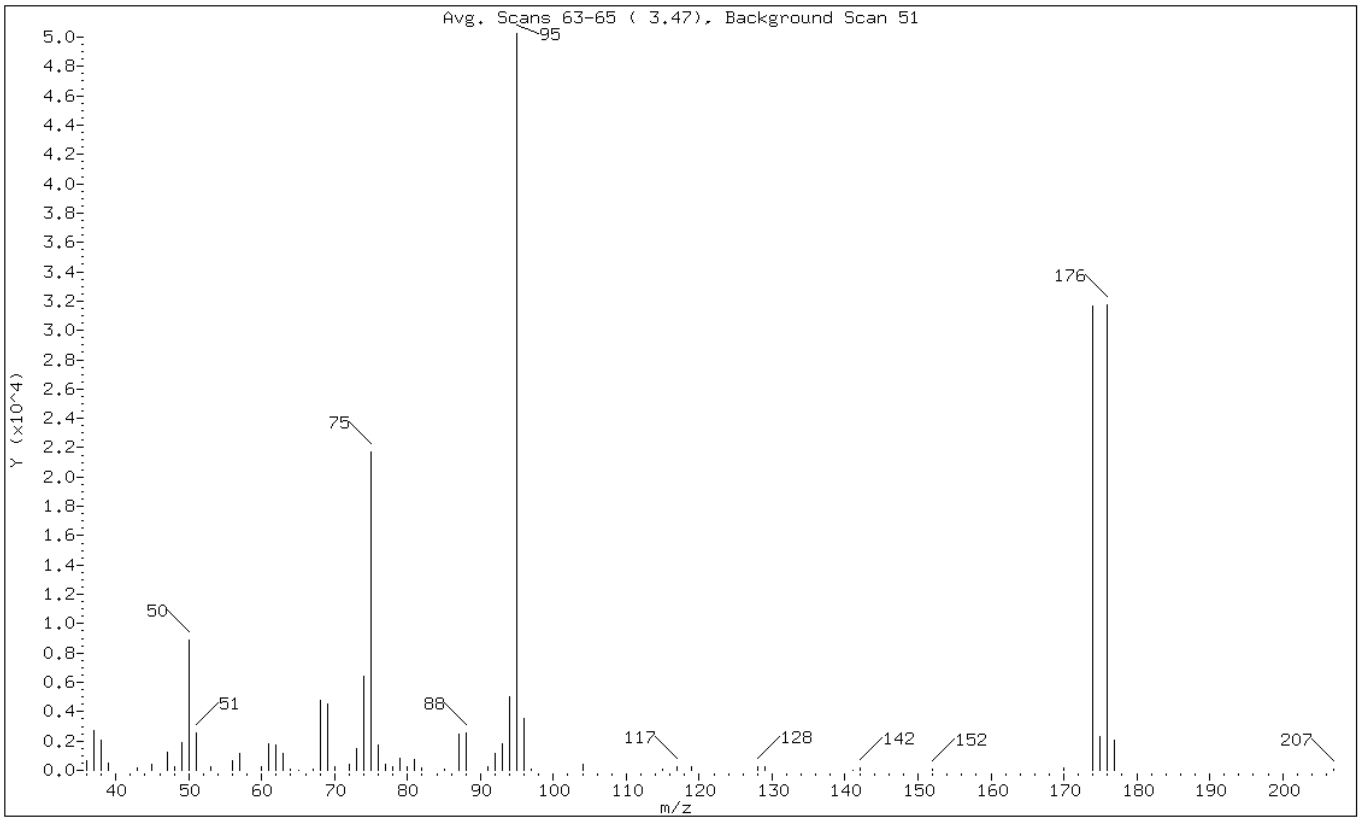
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	426	59.00	376	75.00	16984	115.00	136
37.00	2167	60.00	208	76.00	1342	117.00	113
38.00	1584	61.00	1437	77.00	168	128.00	234
39.00	868	62.00	1519	78.00	212	141.00	200
41.00	142	63.00	941	79.00	832	142.00	101
42.00	359	64.00	491	80.00	114	147.00	596
43.00	76	65.00	150	81.00	843	169.00	15
44.00	145	66.00	16	82.00	141	174.00	24304
45.00	545	67.00	284	87.00	2313	175.00	1691
47.00	1046	68.00	3611	88.00	1875	176.00	24312
49.00	1509	69.00	3354	91.00	117	177.00	1550
50.00	7183	70.00	203	92.00	960	207.00	42
51.00	2142	71.00	7	93.00	1415		
52.00	10	72.00	237	94.00	4044		
56.00	297	73.00	4910	95.00	38184		
57.00	616	74.00	5241	96.00	2737		

Data File:	nida01.d	Date:	30-JUL-2013 10:51
Client ID:	BFBNH	Instrument:	N.i
Operator:	jpd	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



Data File: nhyw01.d
Client ID: BFBNI
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 31-JUL-2013 09:17
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.70
75	30.00 - 80.00% of mass 95	43.18
96	5.00 - 9.00% of mass 95	7.08
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	62.94
175	5.00 - 9.00% of mass 174	4.54 (7.22)
176	95.00 - 101.00% of mass 174	63.13 (100.31)
177	5.00 - 9.00% of mass 176	4.07 (6.44)

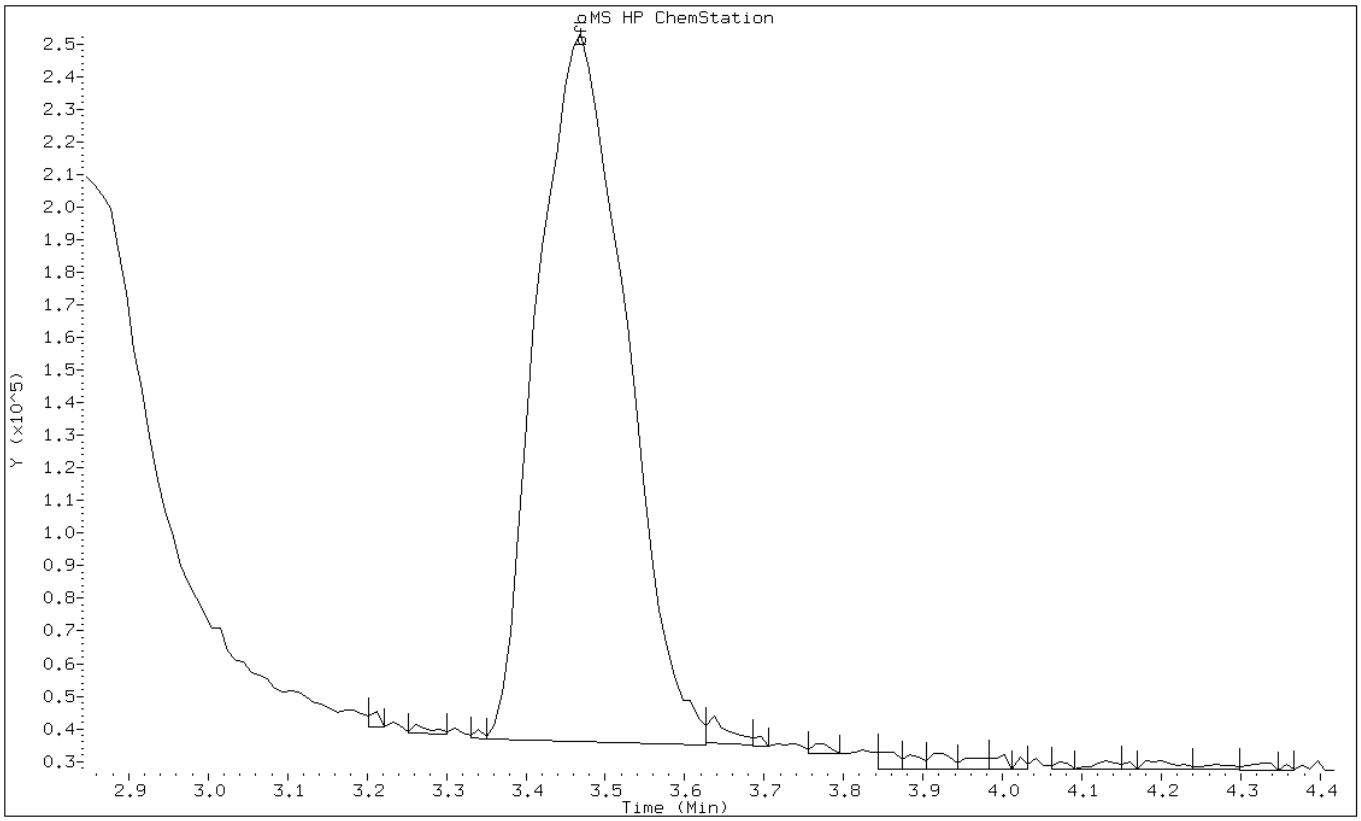
Data File: nhyw01.d
Client ID: BFBNI
Operator: jpd
Column Type:
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 31-JUL-2013 09:17
Instrument: N.i
Inj Vol: 2.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw01.d
Spectrum: Avg. Scans 63-65 (3.47), Background Scan 51
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	622	62.00	1736	80.00	251	119.00	241
37.00	2747	63.00	1174	81.00	709	128.00	262
38.00	2047	64.00	57	82.00	139	129.00	217
39.00	510	65.00	29	85.00	107	141.00	24
43.00	164	67.00	105	87.00	2487	142.00	133
45.00	444	68.00	4792	88.00	2580	152.00	100
47.00	1205	69.00	4542	91.00	229	170.00	186
48.00	214	70.00	259	92.00	1190	174.00	31624
49.00	1918	72.00	385	93.00	1796	175.00	2282
50.00	8895	73.00	1446	94.00	5053	176.00	31720
51.00	2548	74.00	6419	95.00	50248	177.00	2044
53.00	235	75.00	21696	96.00	3556	207.00	98
56.00	647	76.00	1689	97.00	101		
57.00	1147	77.00	444	104.00	416		
60.00	284	78.00	254	115.00	117		
61.00	1787	79.00	841	117.00	275		

Data File:	nhyw01.d	Date:	31-JUL-2013 09:17
Client ID:	BFBNI	Instrument:	N.i
Operator:	jpd	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



EPA SAMPLE NO.
VBLKNH

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59289/5
Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA05.D
Level: (TRACE/LOW/MED) LOW Date Received:
% Moisture: not dec. Date Analyzed: 07/30/2013
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	0.74	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA SAMPLE NO.
VBLKNH

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59289/5

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA05.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.18	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	0.35	J

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKNH

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59289/5

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NIDA05.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/30/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

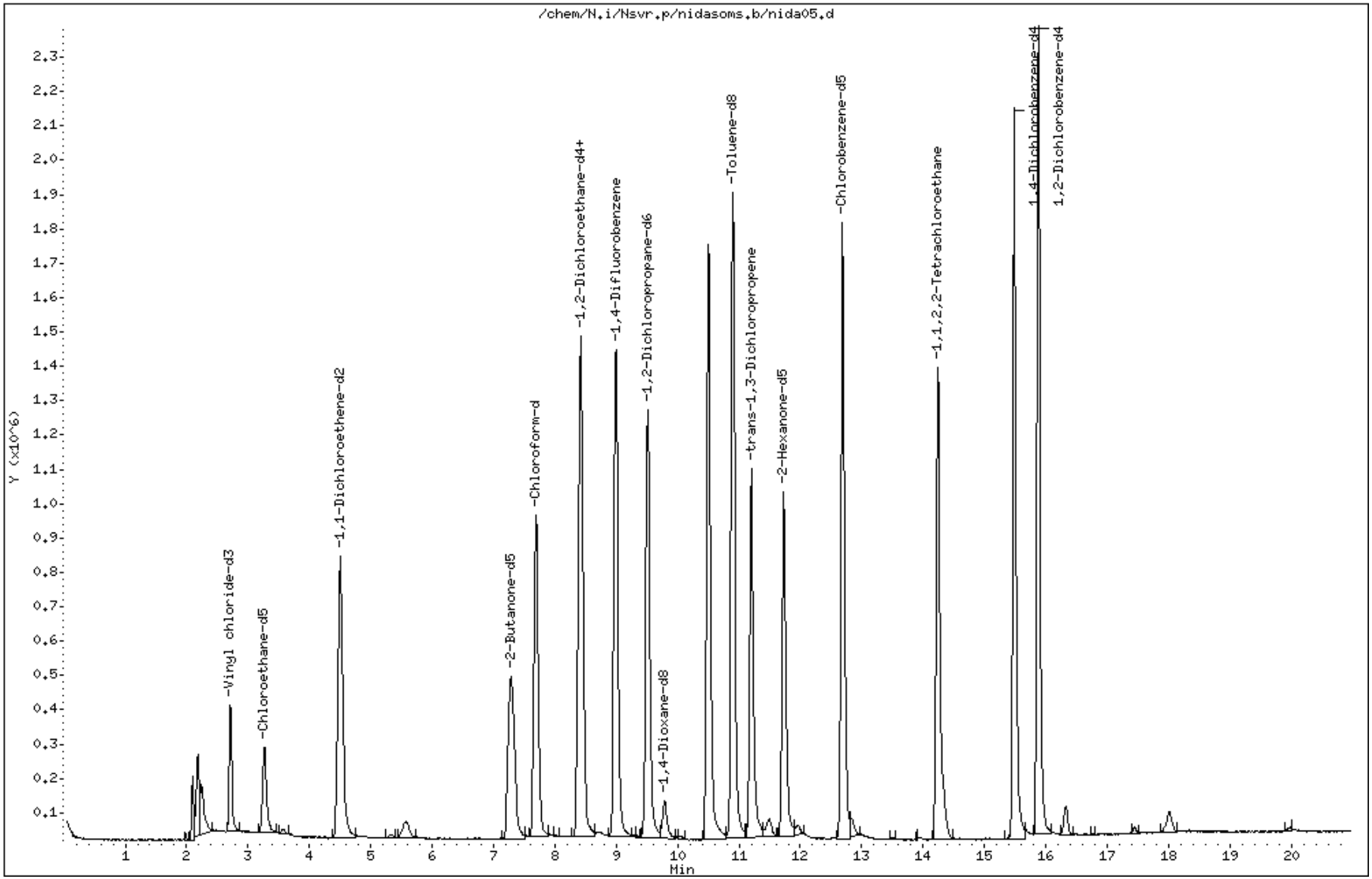
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.50	58	X J
02	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nidasoms.b/nida05.d
Date : 30-JUL-2013 12:57
Client ID: VBLKNH
Sample Info: MB
Purge Volume: 10.0
Column phase: DB-624

Instrument: N.i
Operator: jpd
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidasoms.b/nida05.d
Lab Smp Id: MB Client Smp ID: VBLKNH
Inj Date : 30-JUL-2013 12:57
Operator : jpd Inst ID: N.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:14 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.709	2.712	(0.301)	694847	165.550	17(R)
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.271	3.255	(0.364)	648637	214.447	21
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.496	4.509	(0.500)	1775549	199.979	20
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	5.315	5.319	(0.591)	13711	3.69352	0.37(a)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	7.260	7.254	(0.807)	991976	621.216	62
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.694	7.698	(0.855)	1940617	246.315	25(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.395	8.399	(0.933)	764794	250.679	25
$	29 Benzene-d6	84	8.425	8.429	(0.664)	2623222	256.684	26
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.998	9.001	(1.000)	2814451	250.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.511	9.515	(0.749)	1579337	234.467	23
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.797	9.791	(1.089)	191864	5860.72	590
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.903	10.897	(0.859)	2995587	252.399	25
	43 Toluene	91	10.992	10.976	(0.866)	10831	0.87768	0.088(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.199	11.193	(0.883)	1547479	264.693	26
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	11.732	11.716	(0.925)	994195	599.221	60
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.690	12.674	(1.000)	2382089	250.000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.240	14.214	(1.122)	1910299	260.034	26
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.484	15.468	(1.000)	1244108	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 65 1,2-Dichlorobenzene-d4	152	15.879	15.863	(1.026)	1316908	238.401	24
66 1,2-Dichlorobenzene	146	Compound Not Detected.					
67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69 1,2,3-Trichlorobenzene	180	17.942	17.917	(1.159)	8433	1.74937	0.17(a)
84 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nidasoms.b/nida05.d
Lab Smp Id: MB Client Smp ID: VBLKNH
Inj Date : 30-JUL-2013 12:57
Operator : jpd Inst ID: N.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nidasoms.b/soms4t.m
Meth Date : 06-Aug-2013 15:14 mtp Quant Type: ISTD
Cal Date : 30-JUL-2013 01:51 Cal File: nid08.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	10.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.998	6577193	250.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.498	7585122	288.311466	29	0		0	32

Data File: nida05.d

Lab Sample ID: MB

Date: 30-JUL-2013 12:57

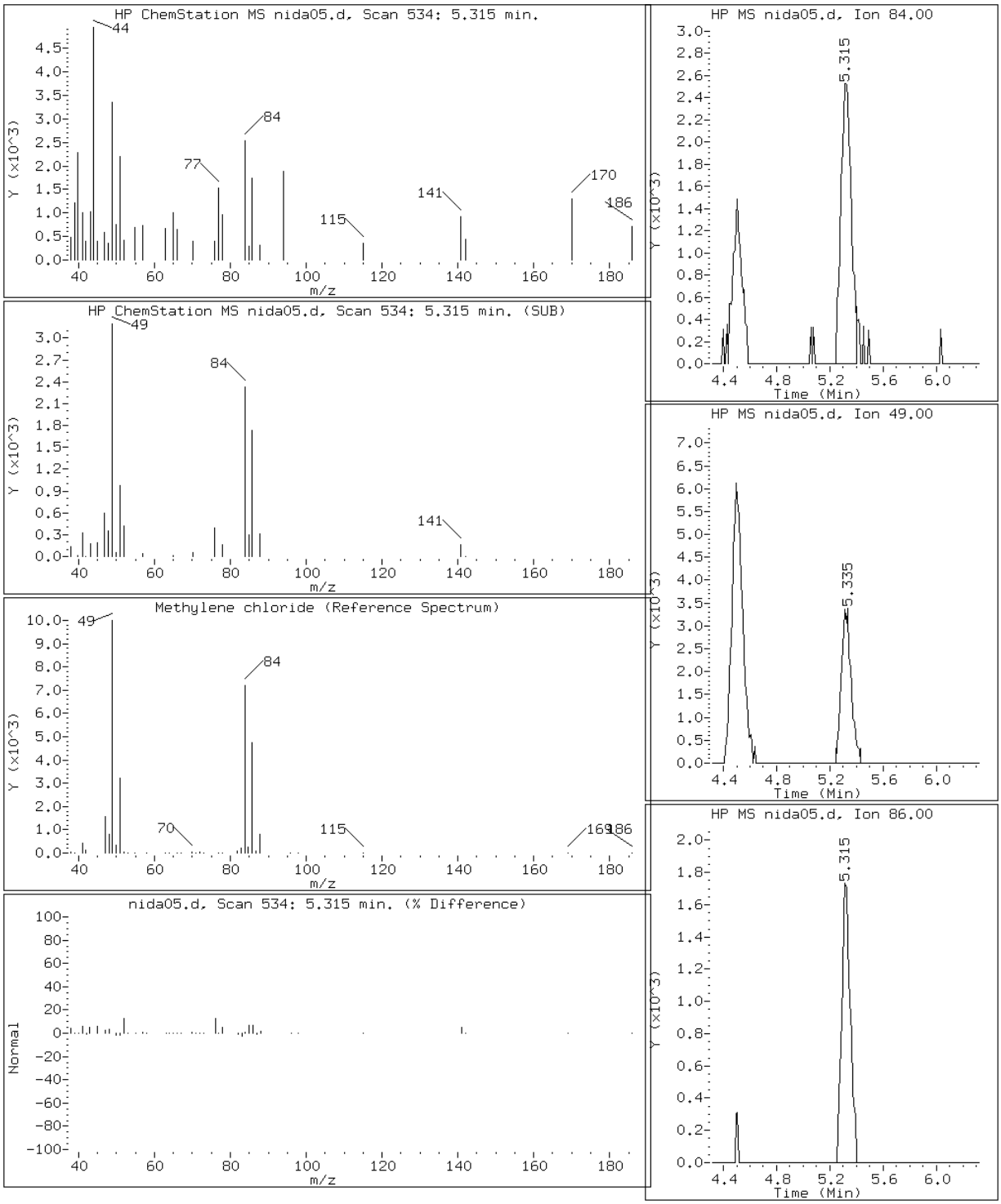
Client ID: VBLKNH

Instrument: N.i

Sample Info: MB

Operator: jpd

15 Methylene chloride



Data File: nida05.d

Lab Sample ID: MB

Date: 30-JUL-2013 12:57

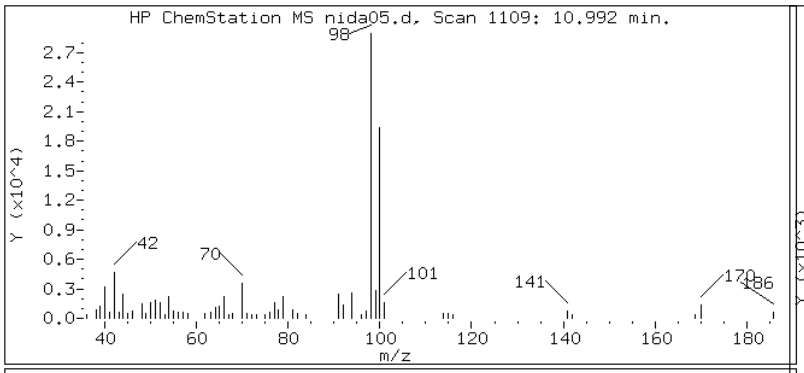
Client ID: VBLKNH

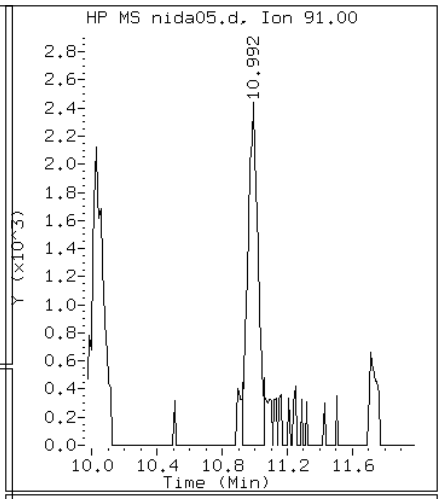
Instrument: N.i

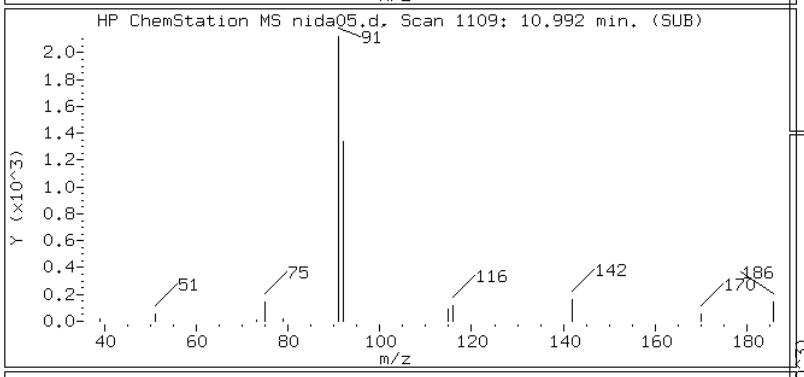
Sample Info: MB

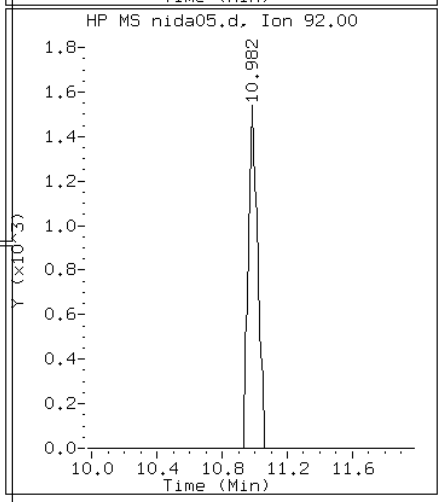
Operator: jpd

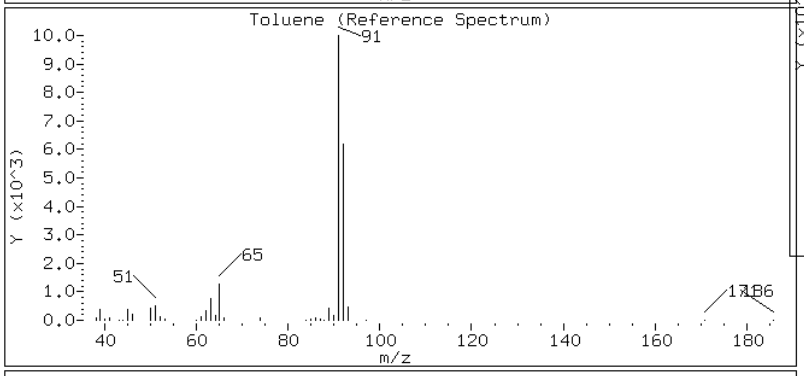
43 Toluene

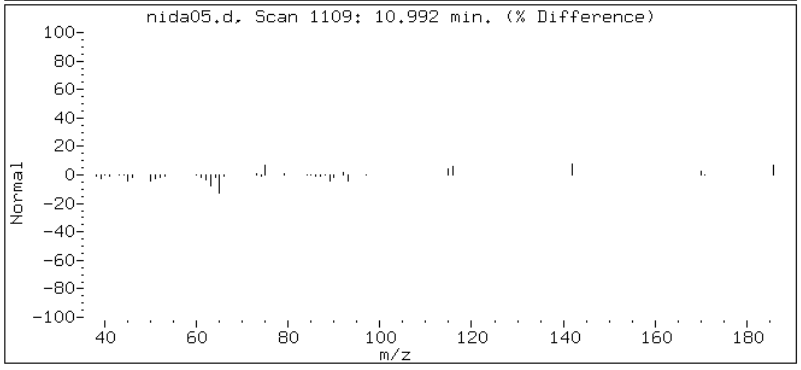












Data File: nida05.d

Lab Sample ID: MB

Client ID: VBLKNH

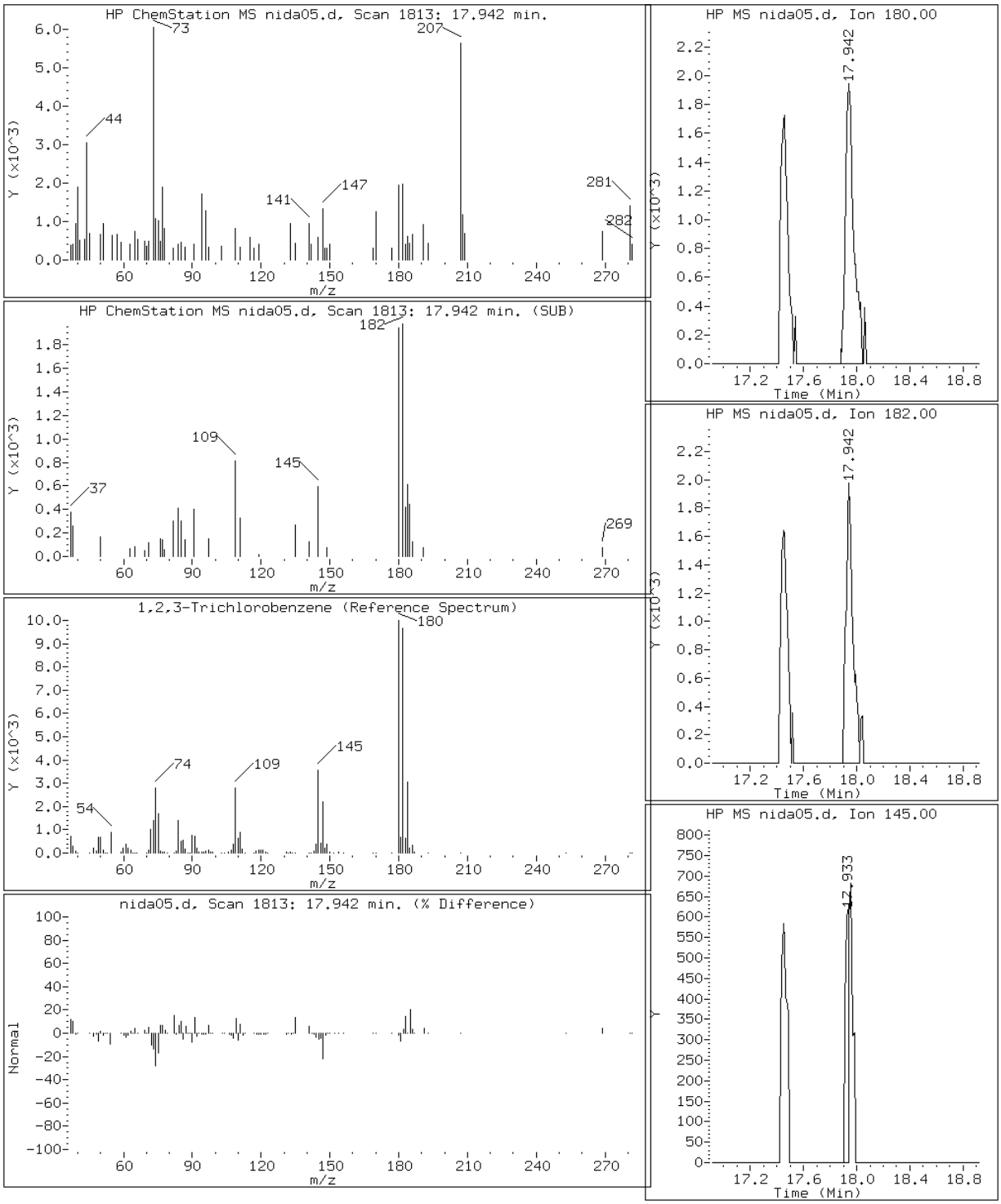
Sample Info: MB

Date: 30-JUL-2013 12:57

Instrument: N.i

Operator: jpd

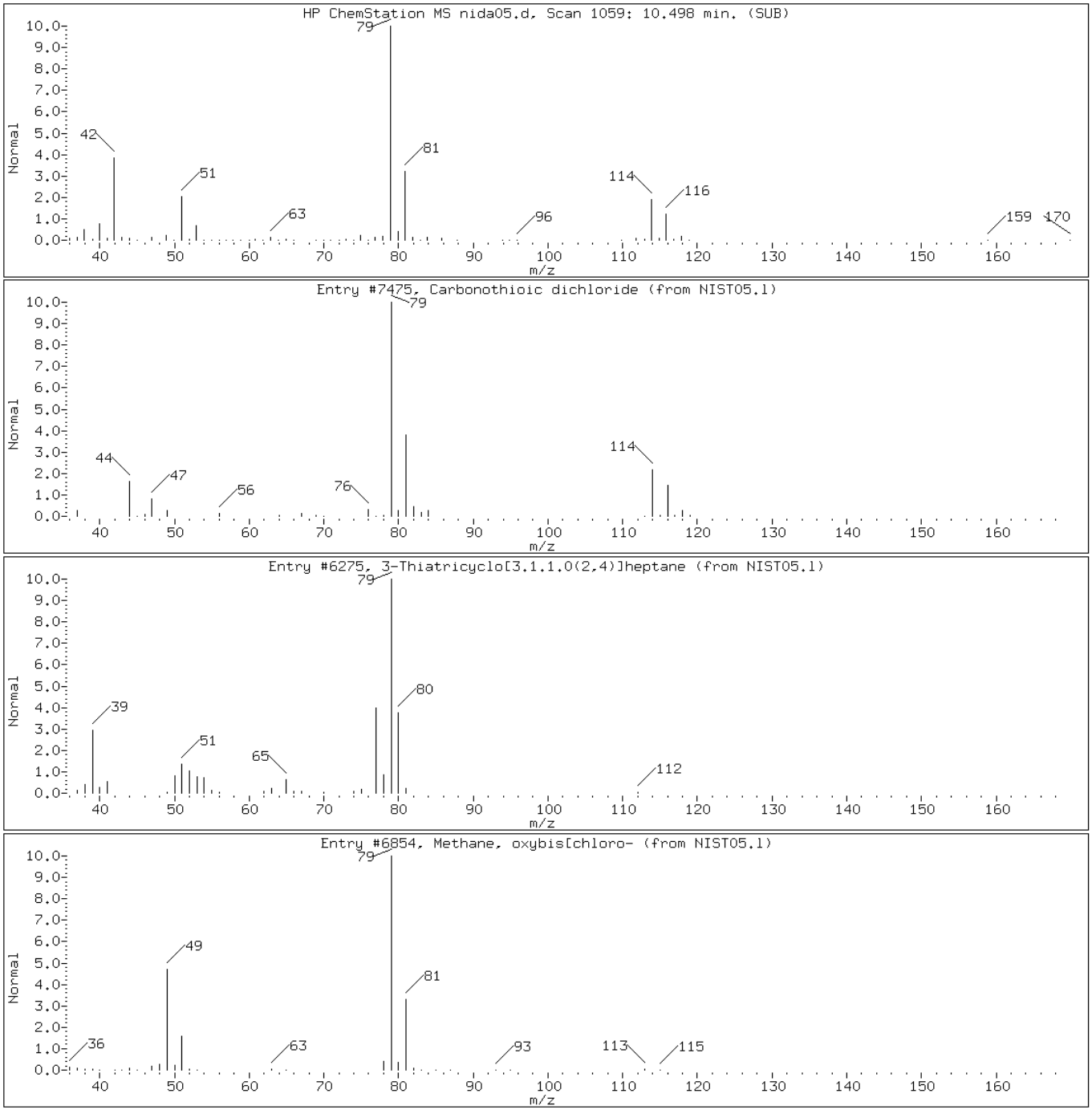
69 1,2,3-Trichlorobenzene



Data File: nida05.d
Lab Sample ID: MB Date: 30-JUL-2013 12:57
Client ID: VBLKNH Instrument: N.i
Sample Info: MB Operator: jpd

Retention Time: 10.50

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.l	6275	32	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114



EPA SAMPLE NO.
VBLKNI

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: MB 200-59290/10
Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW04.D
Level: (TRACE/LOW/MED) LOW Date Received:
% Moisture: not dec. Date Analyzed: 07/31/2013
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.38	J
74-87-3	Chloromethane	0.96	J
75-01-4	Vinyl chloride	1.5	J
74-83-9	Bromomethane	0.52	J
75-00-3	Chloroethane	0.56	J
75-69-4	Trichlorofluoromethane	0.21	J
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	1.9	J
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	0.61	J
156-60-5	trans-1,2-Dichloroethene	1.1	J
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA SAMPLE NO.
VBLKNI

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: MB 200-59290/10
Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW04.D
Level: (TRACE/LOW/MED) LOW Date Received:
% Moisture: not dec. Date Analyzed: 07/31/2013
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	1.2	J
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.35	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	0.63	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	0.36	J
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	0.52	J
100-41-4	Ethylbenzene	0.37	J
95-47-6	o-Xylene	0.21	J
179601-23-1	m,p-Xylene	0.38	J
100-42-5	Styrene	0.42	J
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	0.38	J
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	0.91	J
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	1.8	J
87-61-6	1,2,3-Trichlorobenzene	2.4	J

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKNI

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: MB 200-59290/10

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: NHYW04.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/31/2013

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.45	78	X J
02	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: /chem/N.i/Nsvr.p/nhywsomw.b/nhyw04.d

Page 1

Date : 31-JUL-2013 11:34

Client ID: VBLKNI

Instrument: N.i

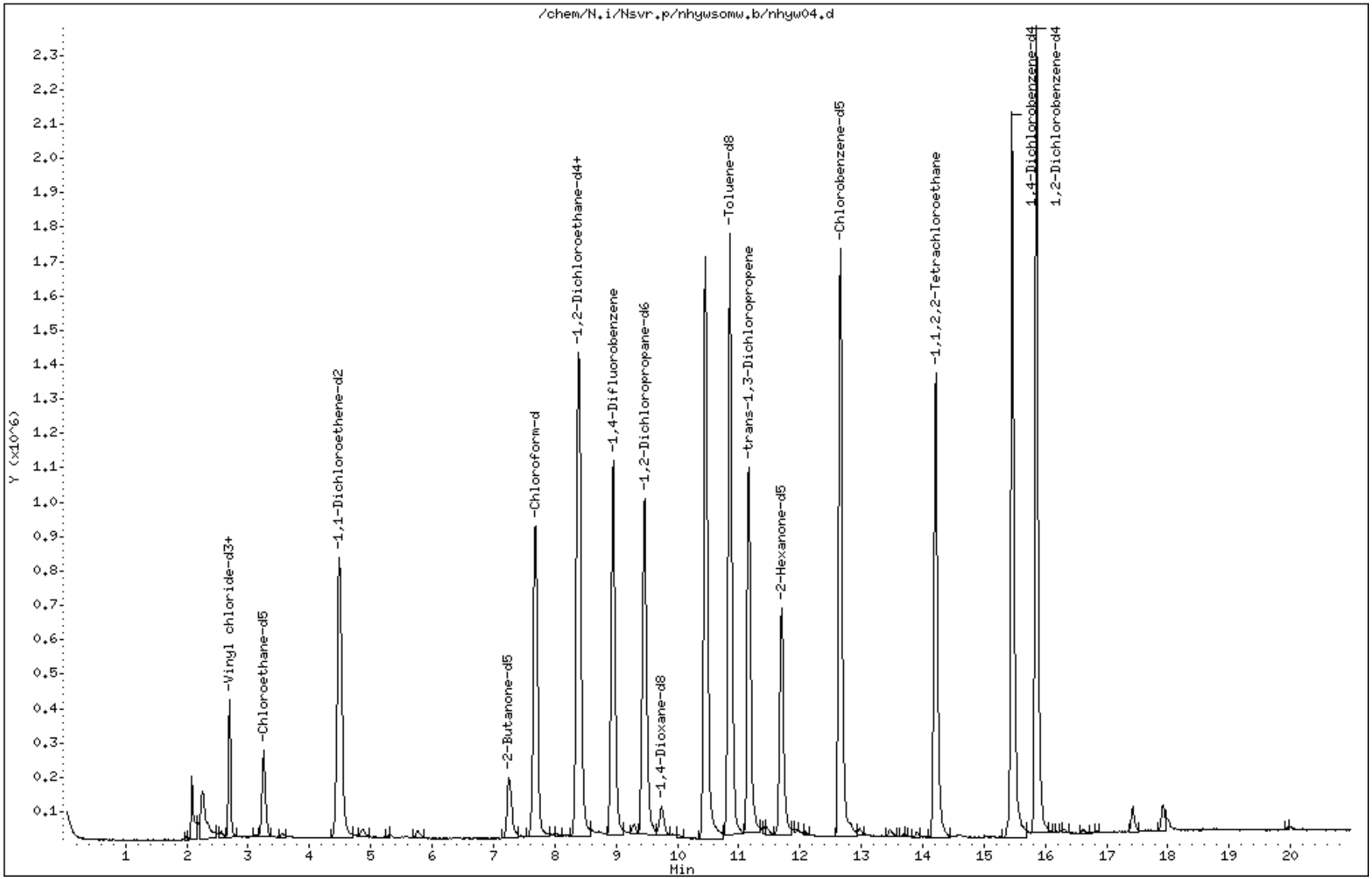
Sample Info: MB

Purge Volume: 5.0

Operator: jpd

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhywsomw.b/nhyw04.d
Lab Smp Id: MB Client Smp ID: VBLKNI
Inj Date : 31-JUL-2013 11:34
Operator : jpd Inst ID: N.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 06-Aug-2013 15:49 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	2.318	2.352	(0.259)	9398	1.87891	0.38(a)
2	Chloromethane	50	2.555	2.589	(0.285)	14265	4.82056	0.96(a)
$ 3	Vinyl chloride-d3	65	2.693	2.727	(0.301)	655265	210.000	42
4	Vinyl chloride	62	2.703	2.737	(0.302)	24615	7.67623	1.5(aQ)
5	Bromomethane	94	3.137	3.172	(0.350)	6773	2.57756	0.52(a)
$ 6	Chloroethane-d5	69	3.246	3.290	(0.363)	620487	263.849	53
7	Chloroethane	64	3.295	3.330	(0.368)	5240	2.79586	0.56(aQ)
8	Trichlorofluoromethane	101	3.690	3.734	(0.412)	6789	1.05121	0.21(aM)
$ 9	1,1-Dichloroethene-d2	63	4.490	4.544	(0.502)	1668693	233.519	47
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	4.865	4.929	(0.543)	91341	9.25353	1.9(a)
14	Methyl acetate	43	Compound Not Detected.					
15	Methylene chloride	84	5.319	5.373	(0.594)	10371	3.02522	0.61(a)
16	trans-1,2-Dichloroethene	96	5.773	5.827	(0.645)	19379	5.50676	1.1(a)
17	Methyl tert-butyl ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	7.254	7.299	(0.810)	589246	530.222	110
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.689	7.733	(0.859)	1866789	273.373	55(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	8.370	8.414	(0.935)	774267	268.717	54
$	29 Benzene-d6	84	8.399	8.444	(0.664)	2426379	293.813	59
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.952	8.997	(1.000)	2095223	250.000	
	33 Trichloroethene	95	9.288	9.332	(0.734)	20489	5.89808	1.2(a)
$	34 1,2-Dichloropropane-d6	67	9.466	9.510	(0.748)	1227813	242.620	49
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	9.742	9.796	(1.088)	154180	4969.28	990
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	10.858	10.902	(0.858)	2813386	278.672	56
	43 Toluene	91	10.956	10.991	(0.866)	18896	1.74714	0.35(a)
$	44 trans-1,3-Dichloropropene-d4	79	11.164	11.208	(0.882)	1565882	291.450	58
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	11.638	11.692	(0.920)	11439	3.13126	0.63(a)
$	48 2-Hexanone-d5	63	11.697	11.751	(0.924)	655751	529.691	110
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	11.934	11.978	(0.943)	11781	1.78638	0.36(a)
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.655	12.709	(1.000)	2273892	250.000	
	53 Chlorobenzene	112	12.694	12.748	(1.003)	22007	2.59149	0.52(aQ)
	54 Ethylbenzene	91	12.822	12.877	(1.013)	24221	1.84964	0.37(a)
	55 m,p-Xylene	106	12.970	13.025	(1.025)	9279	1.90186	0.38(a)
	56 o-Xylene	106	13.464	13.518	(1.064)	4966	1.03699	0.21(aQ)
	57 Styrene	104	13.474	13.528	(1.065)	17395	2.11547	0.42(a)
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	13.908	13.963	(1.099)	25728	1.89493	0.38(a)
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.214	14.269	(1.123)	1891400	276.871	55
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	62 1,3-Dichlorobenzene	146	15.399	15.453	(0.996)	30128	4.52814	0.91(a)
*	63 1,4-Dichlorobenzene-d4	152	15.458	15.513	(1.000)	1233550	250.000	(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	65 1,2-Dichlorobenzene-d4	152	15.853	15.918	(1.026)	1294745	298.363	60
	66 1,2-Dichlorobenzene	146	Compound Not Detected.					
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
68 1,2,4-Trichlorobenzene	180	17.423	17.487	(1.127)	44649	9.19548	1.8(a)
69 1,2,3-Trichlorobenzene	180	17.917	17.991	(1.159)	51837	11.7538	2.4(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nhywsomw.b/nhyw04.d
Lab Smp Id: MB Client Smp ID: VBLKNI
Inj Date : 31-JUL-2013 11:34
Operator : jpd Inst ID: N.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/N.i/Nsvr.p/nhywsomw.b/somw3t.m
Meth Date : 06-Aug-2013 15:49 mtp Quant Type: ISTD
Cal Date : 06-MAY-2013 12:25 Cal File: nhy04.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable
Uf 1.00000 ng unit correction factor
Vo 5.00000 Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	8.952	4854944	250.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.453	7598549	391.278880	78	0		0	32

Manual Integration Report

Data File: nhyw04.d
Lab Sample ID: MB
Inj. Date and Time: 31-JUL-2013 11:34
Instrument ID: N.i
Client ID: VBLKNI
Compound: 8 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 08/06/2013

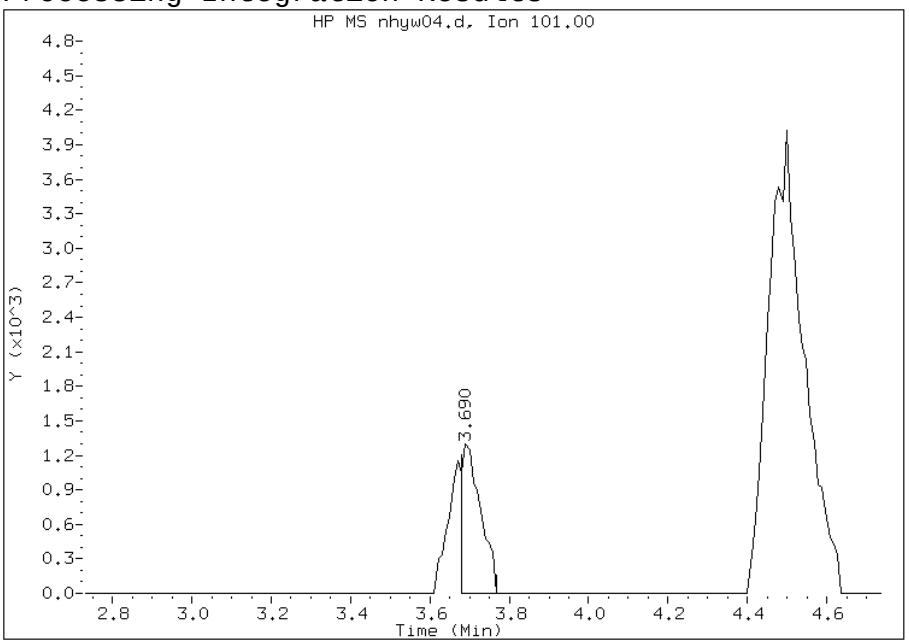
Processing Integration Results

RT: 3.69

Response: 4416

Amount: 0.683842

Conc: 0.136768



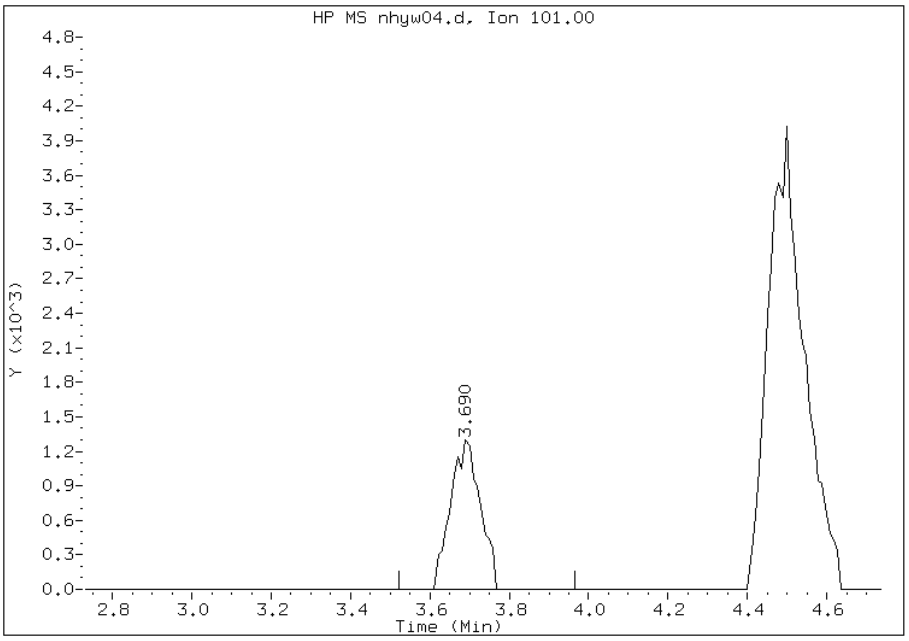
Manual Integration Results

RT: 3.69

Response: 6789

Amount: 1.05

Conc: 0.210242



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Manual Integration Reason: Poor chromatography

Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

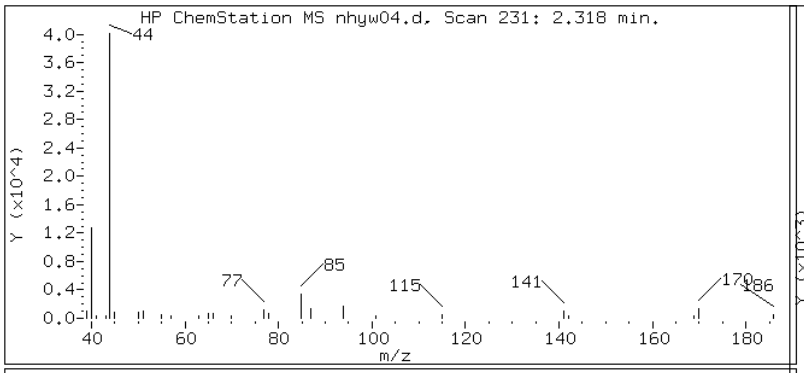
Sample Info: MB

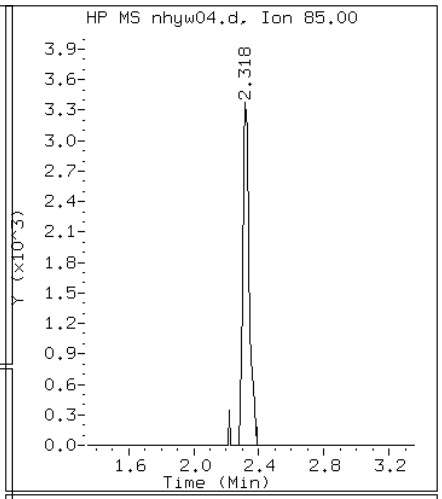
Date: 31-JUL-2013 11:34

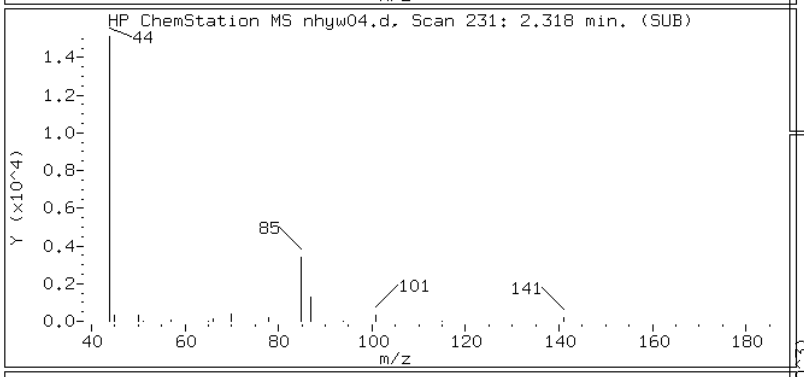
Instrument: N.i

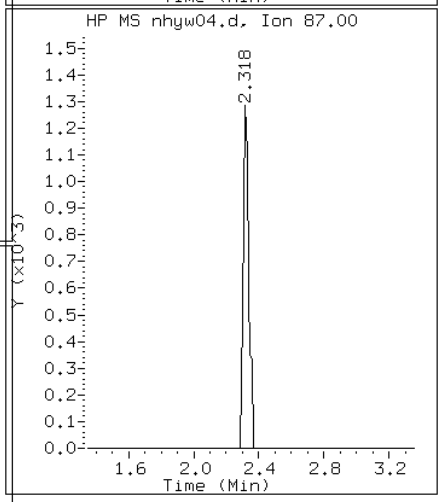
Operator: jpd

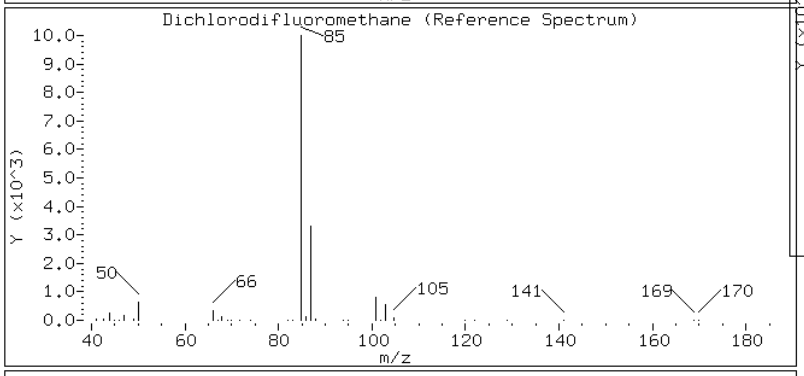
1 Dichlorodifluoromethane

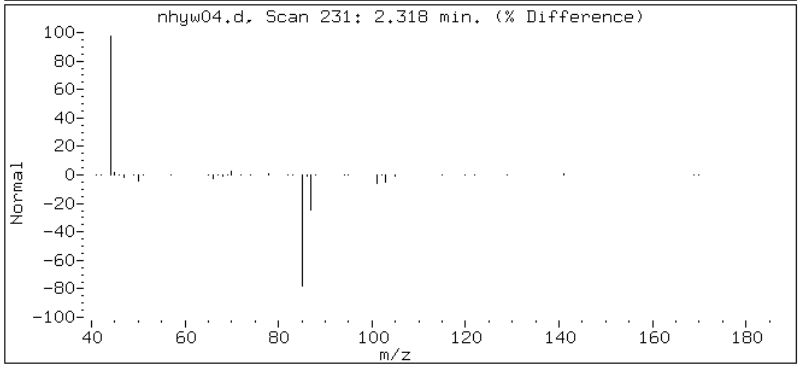












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

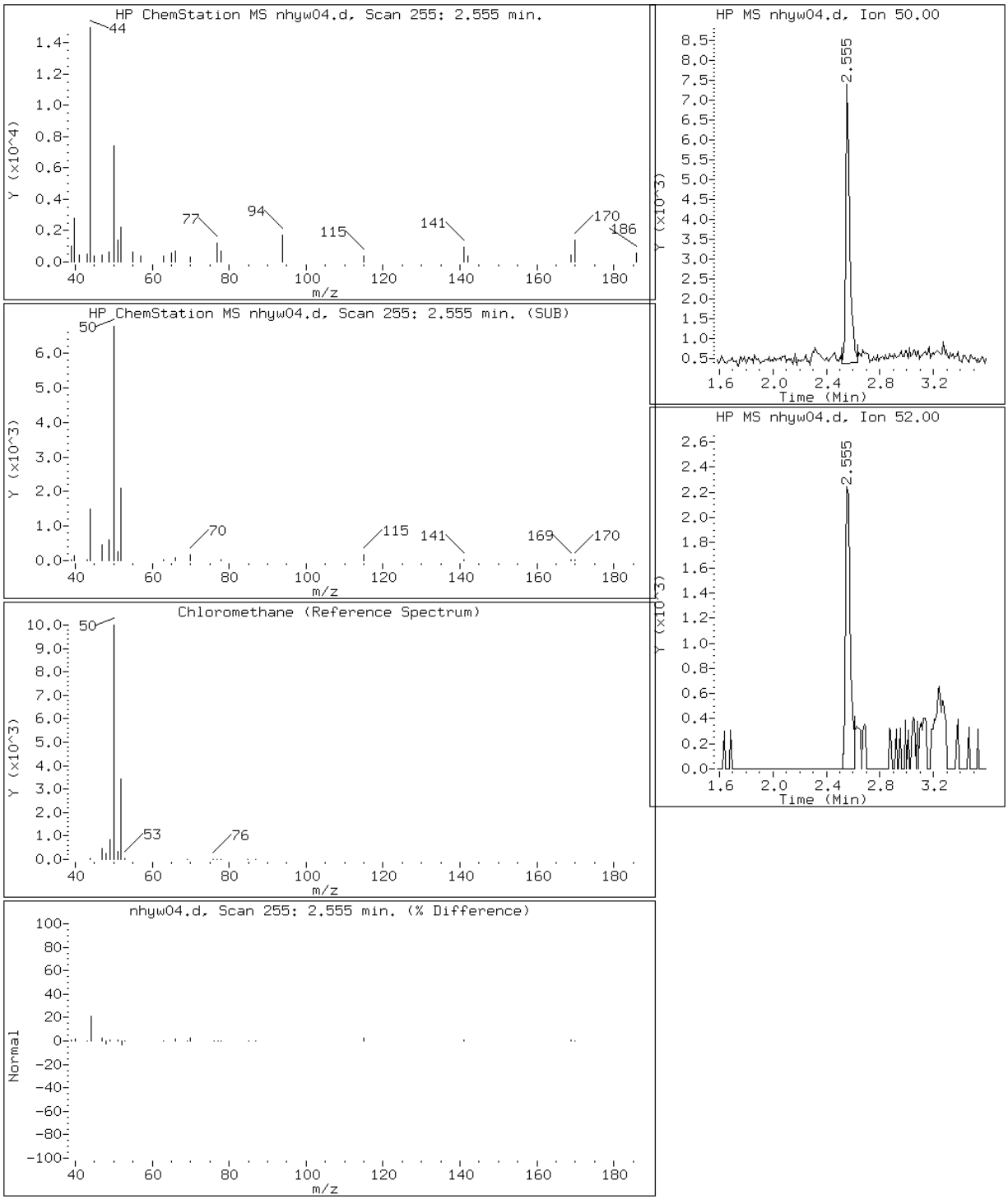
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

2 Chloromethane



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

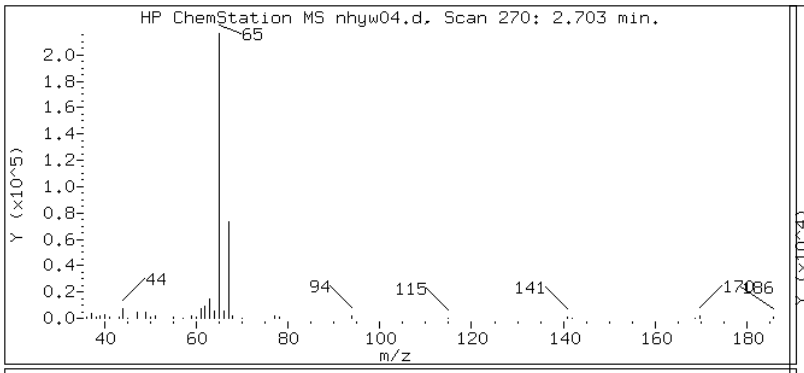
Sample Info: MB

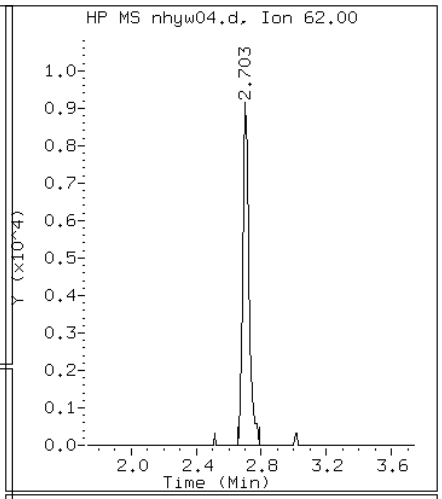
Date: 31-JUL-2013 11:34

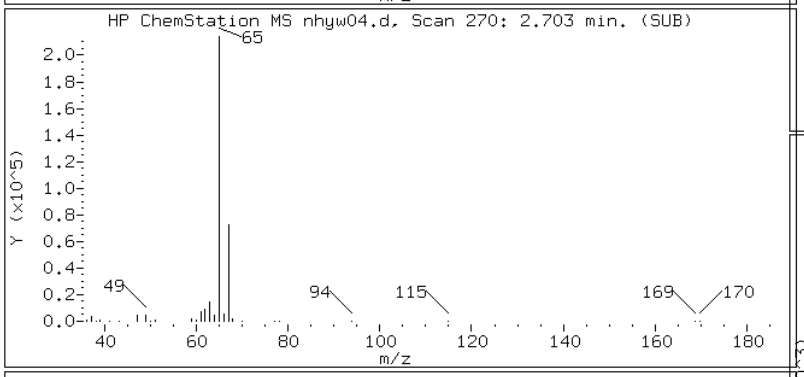
Instrument: N.i

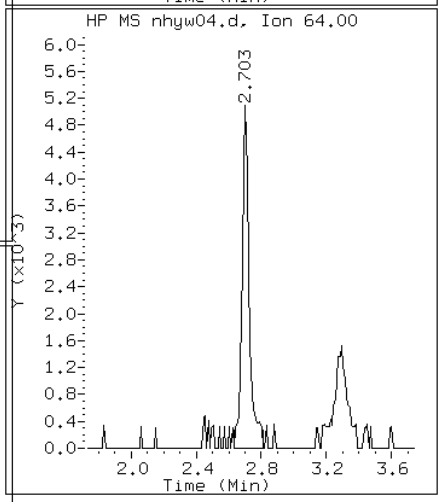
Operator: jpd

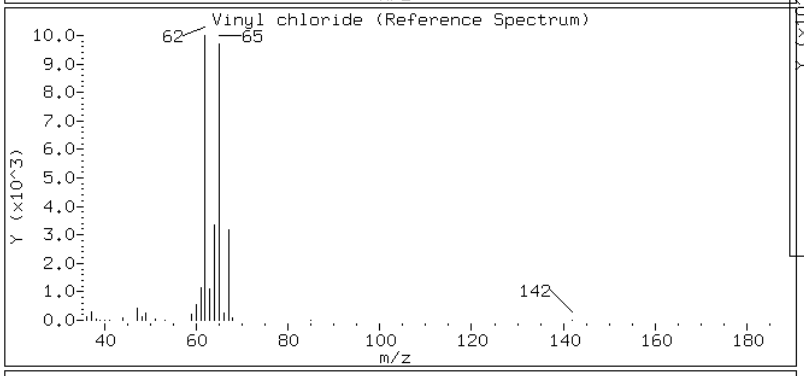
4 Vinyl chloride

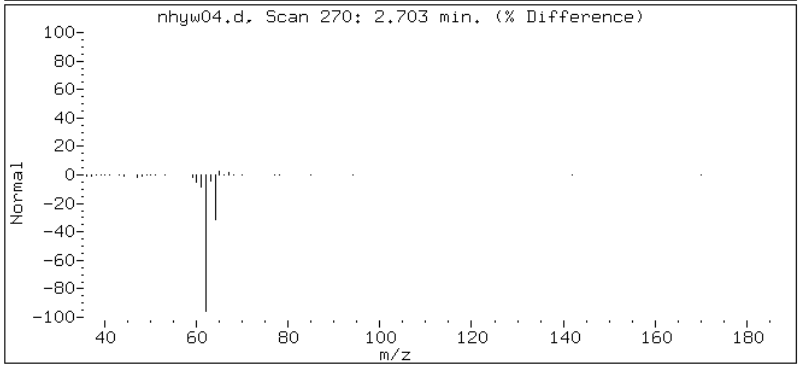












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

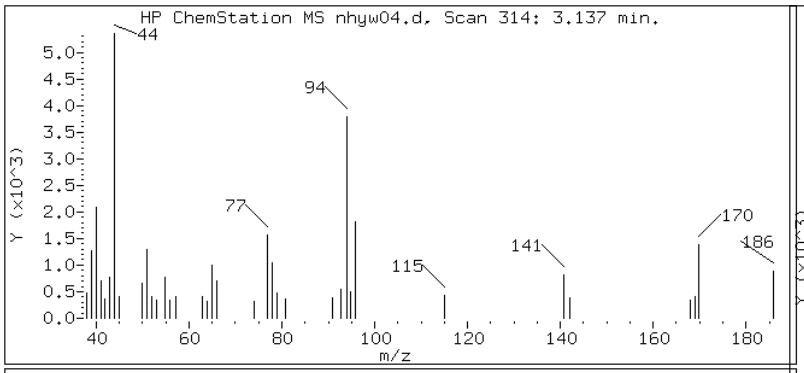
Sample Info: MB

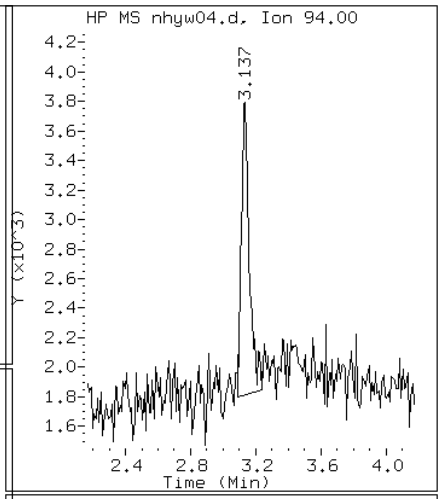
Date: 31-JUL-2013 11:34

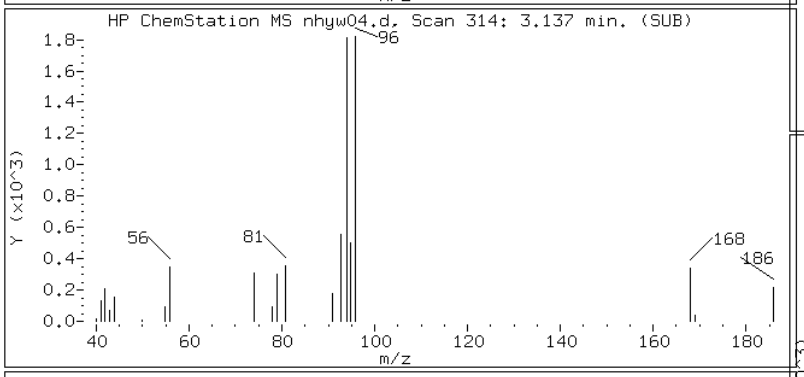
Instrument: N.i

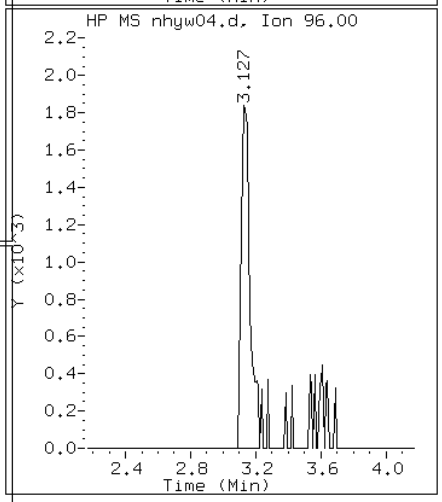
Operator: jpd

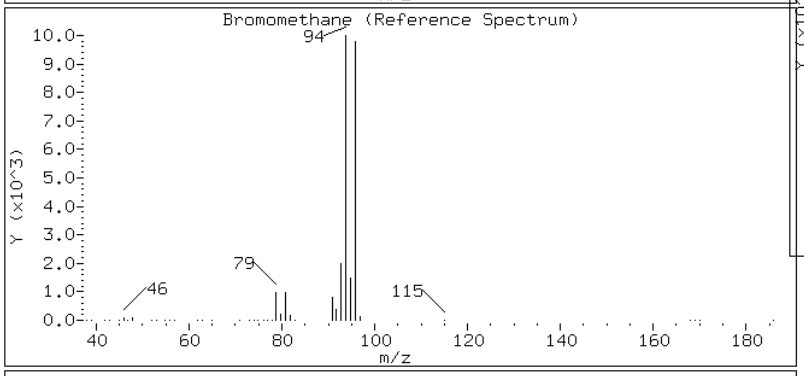
5 Bromomethane

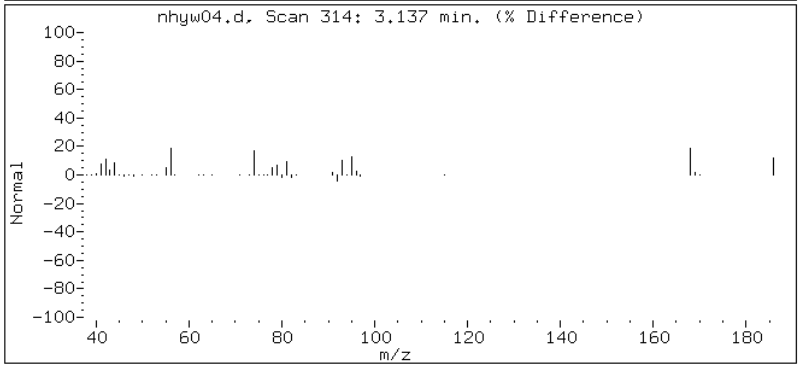












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

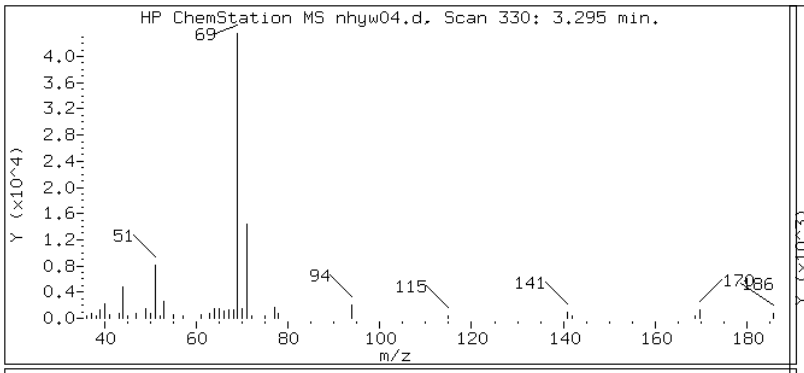
Sample Info: MB

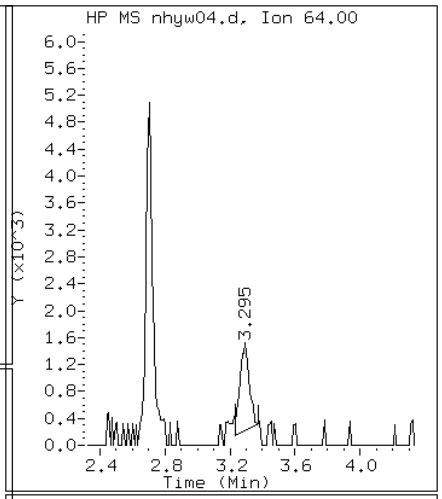
Date: 31-JUL-2013 11:34

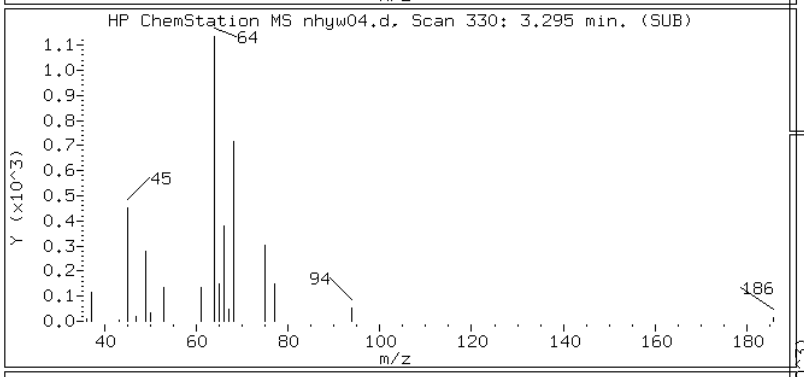
Instrument: N.i

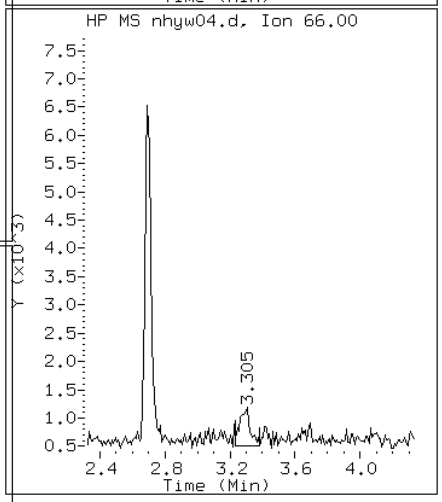
Operator: jpd

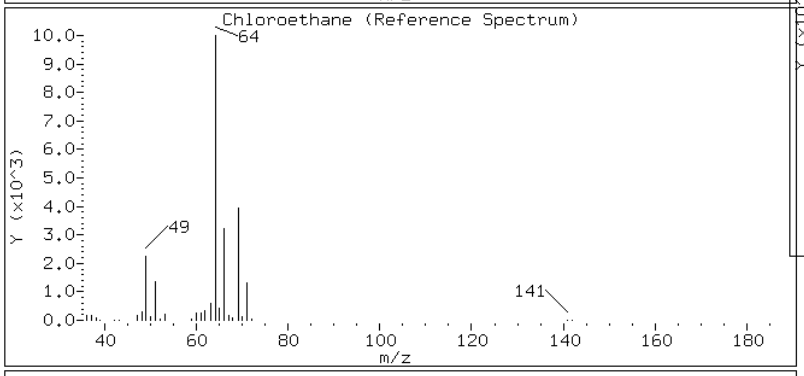
7 Chloroethane

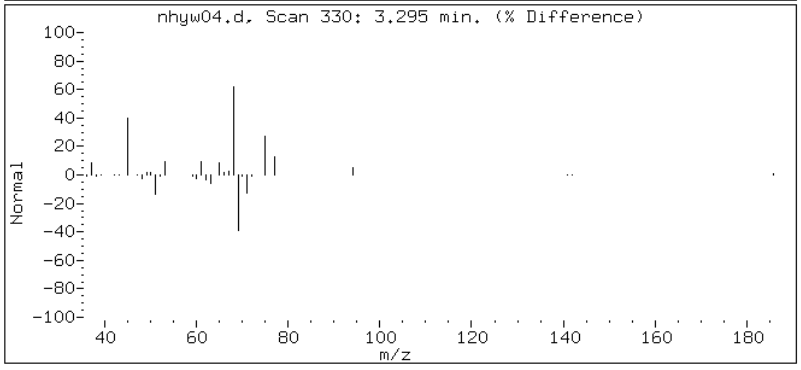












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

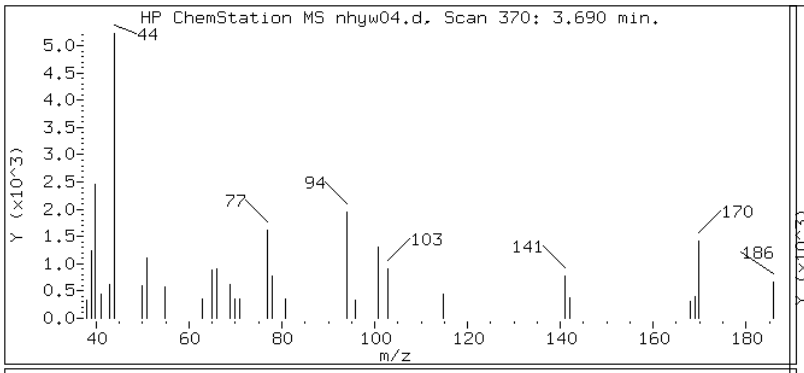
Sample Info: MB

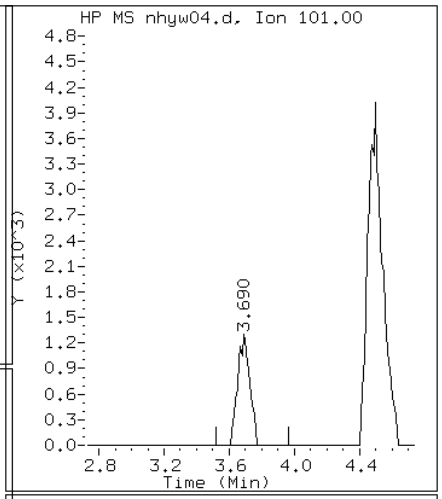
Date: 31-JUL-2013 11:34

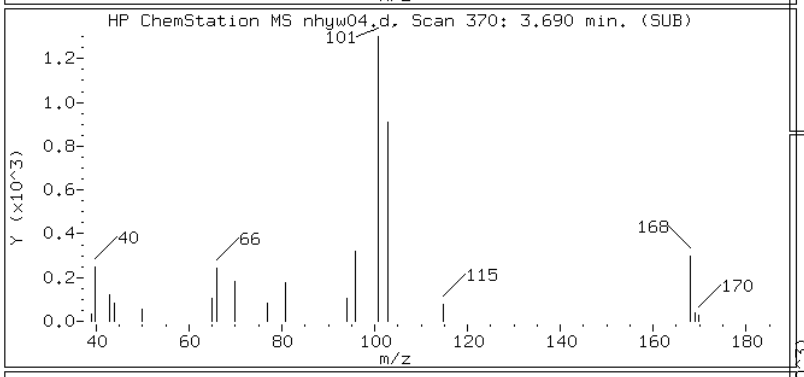
Instrument: N.i

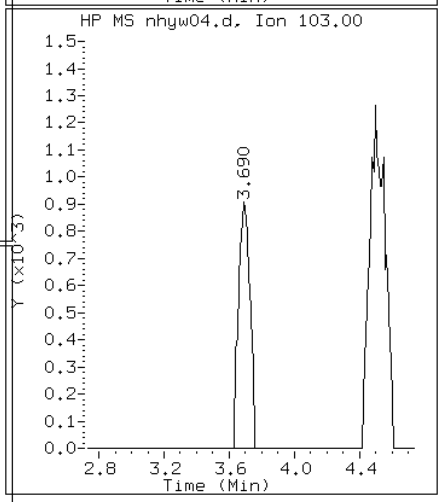
Operator: jpd

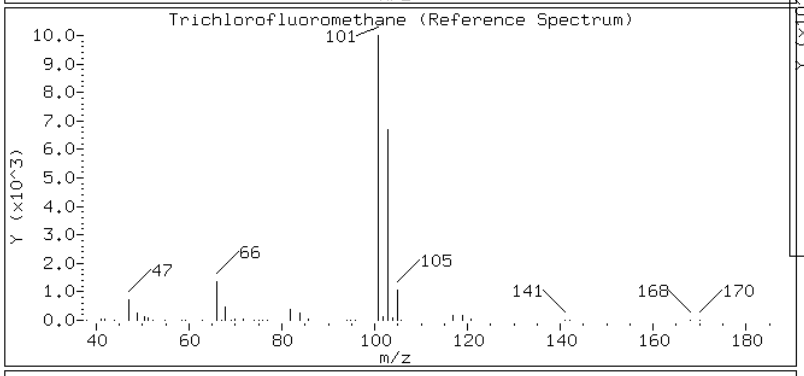
8 Trichlorofluoromethane

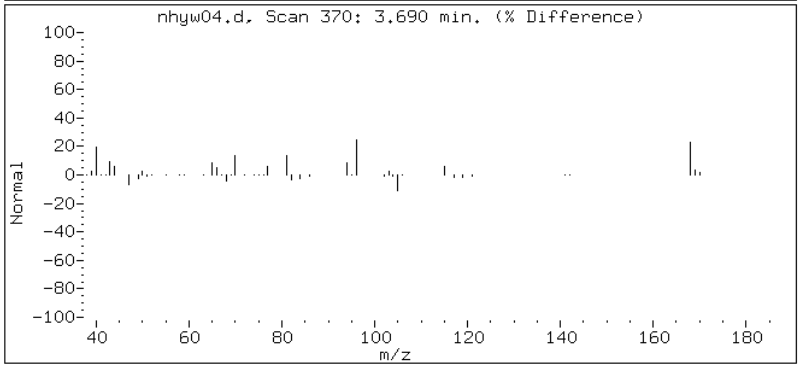












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

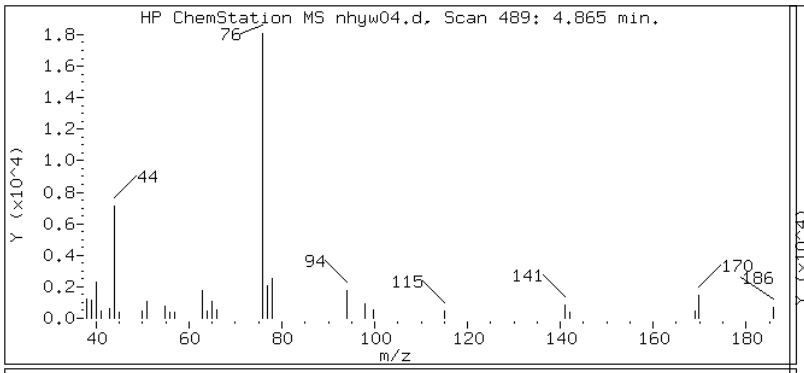
Sample Info: MB

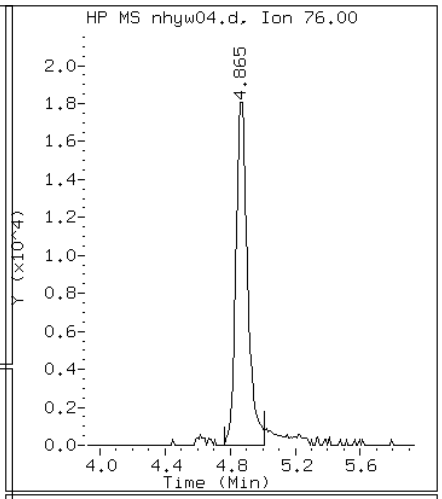
Date: 31-JUL-2013 11:34

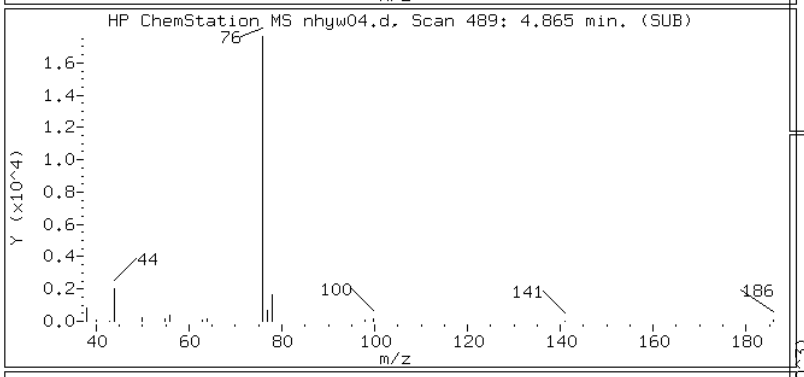
Instrument: N.i

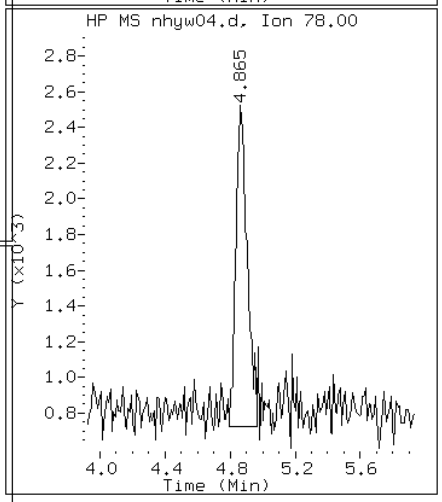
Operator: jpd

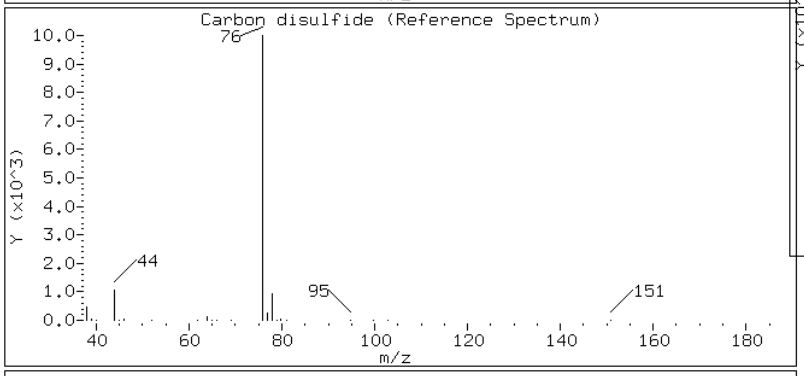
13 Carbon disulfide

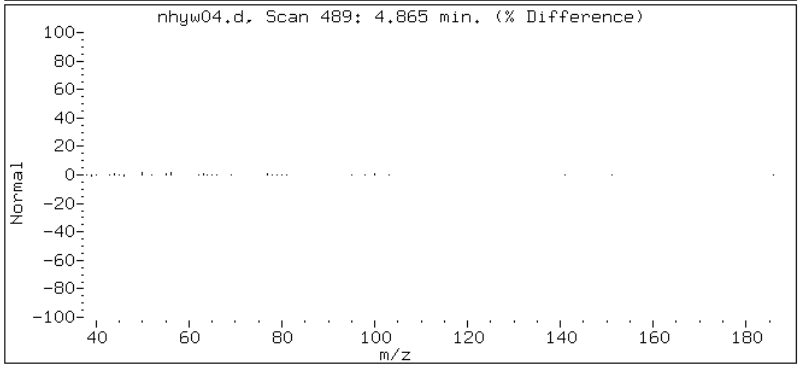












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

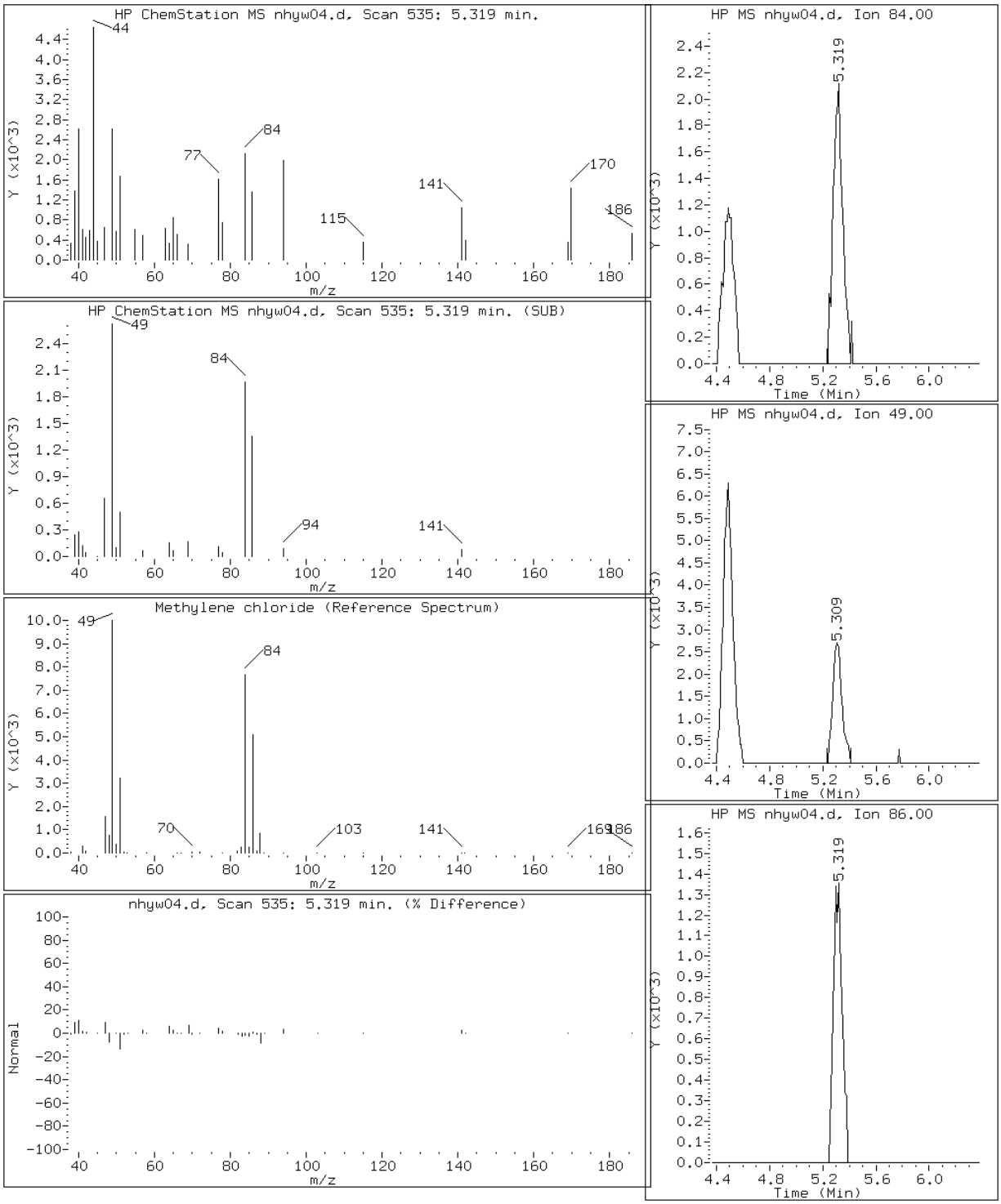
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

15 Methylene chloride



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

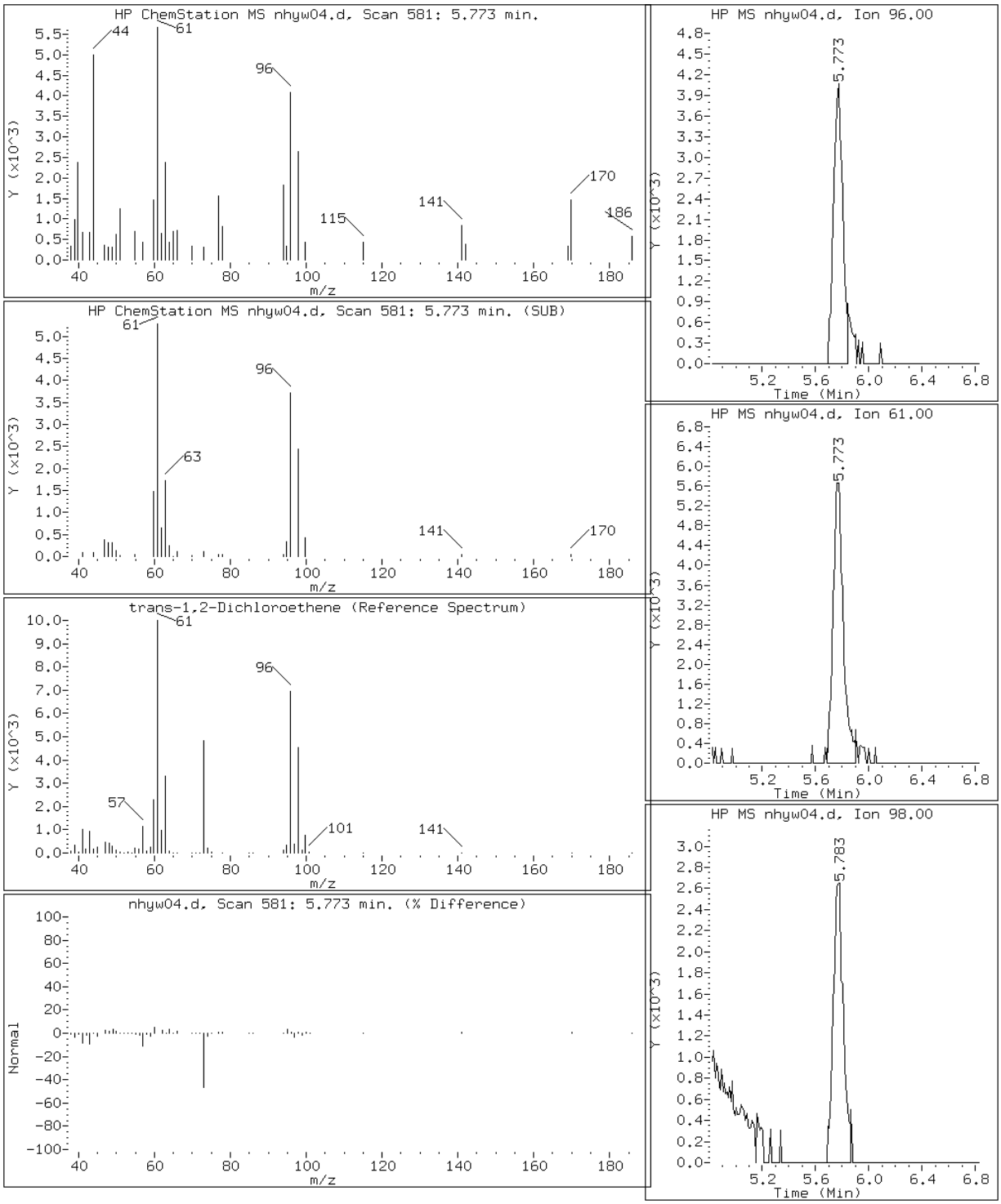
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

16 trans-1,2-Dichloroethene



Data File: nhyw04.d

Lab Sample ID: MB

Date: 31-JUL-2013 11:34

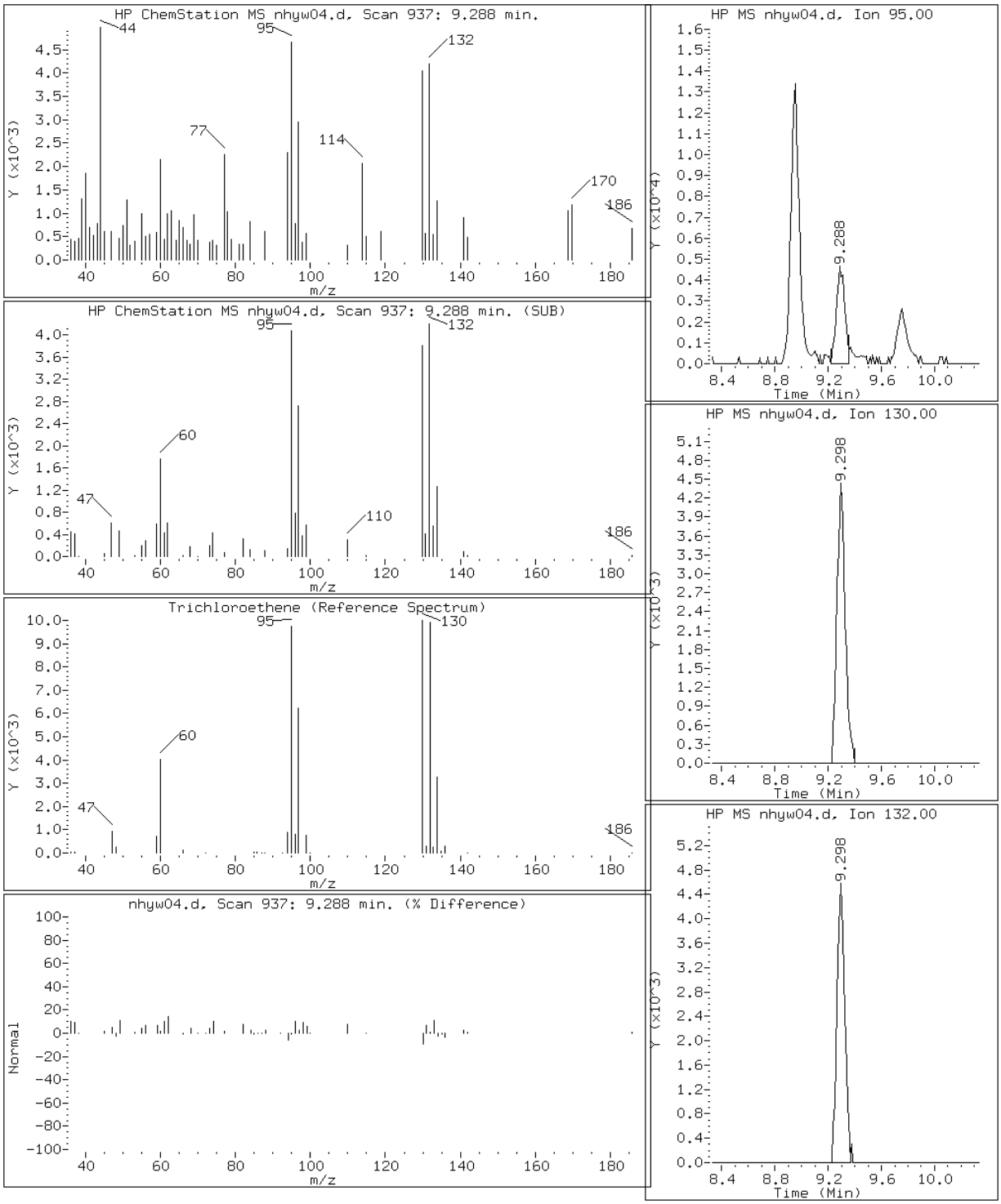
Client ID: VBLKNI

Instrument: N.i

Sample Info: MB

Operator: jpd

33 Trichloroethene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

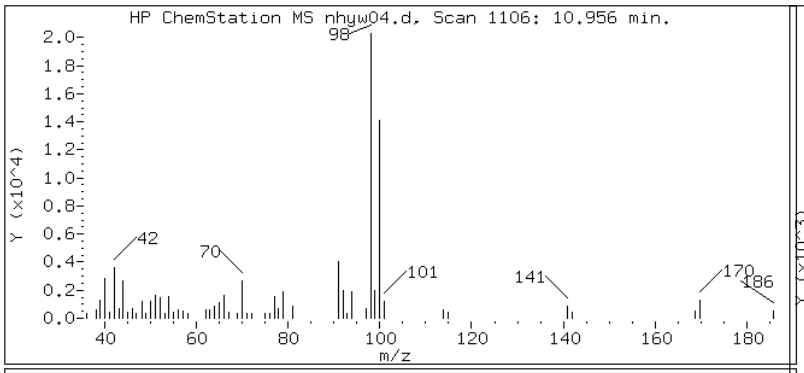
Sample Info: MB

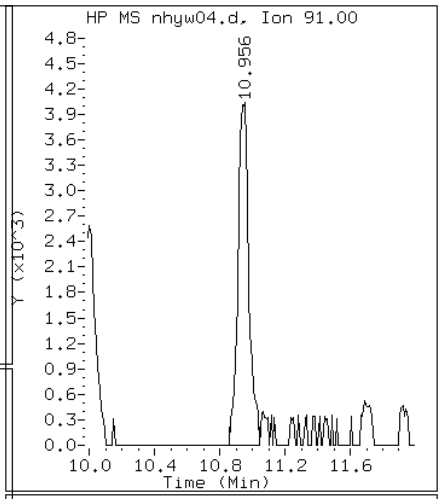
Date: 31-JUL-2013 11:34

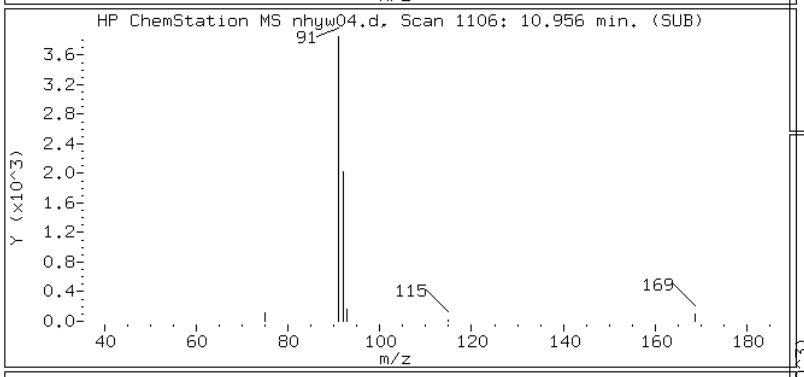
Instrument: N.i

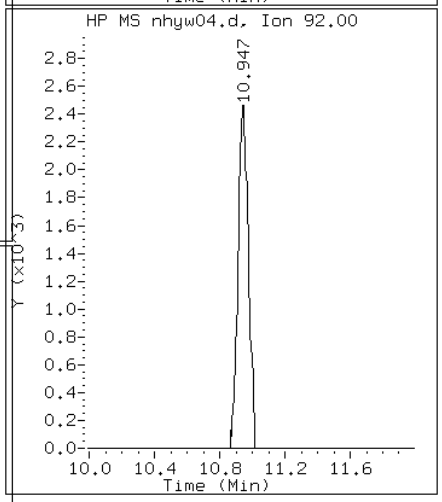
Operator: jpd

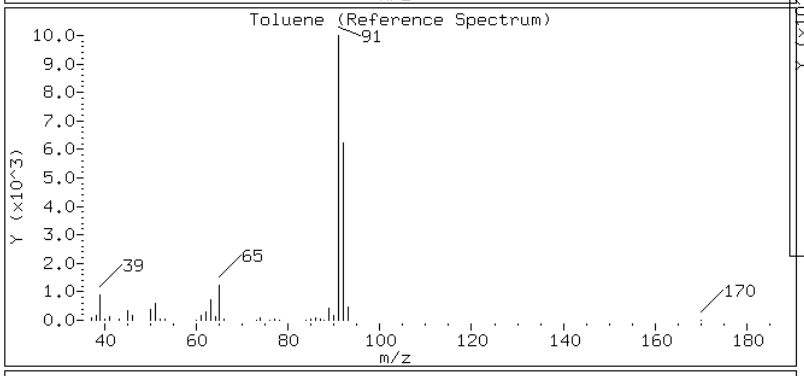
43 Toluene

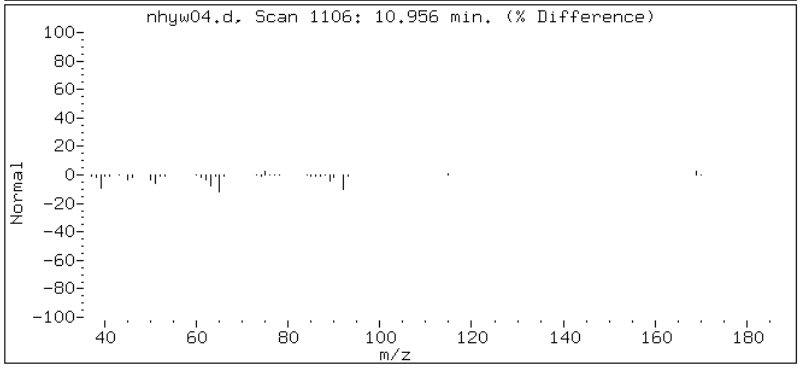












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

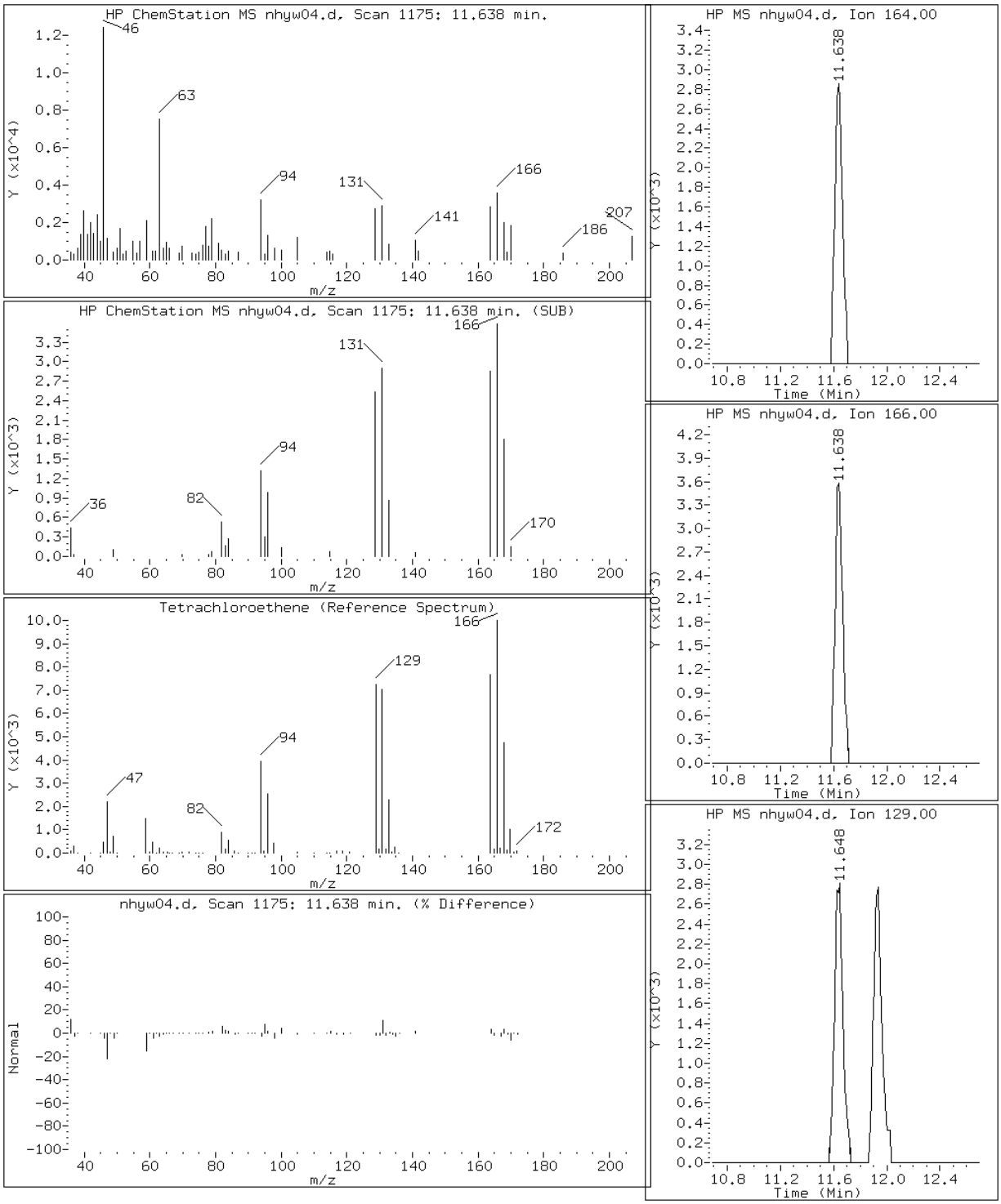
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

47 Tetrachloroethene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

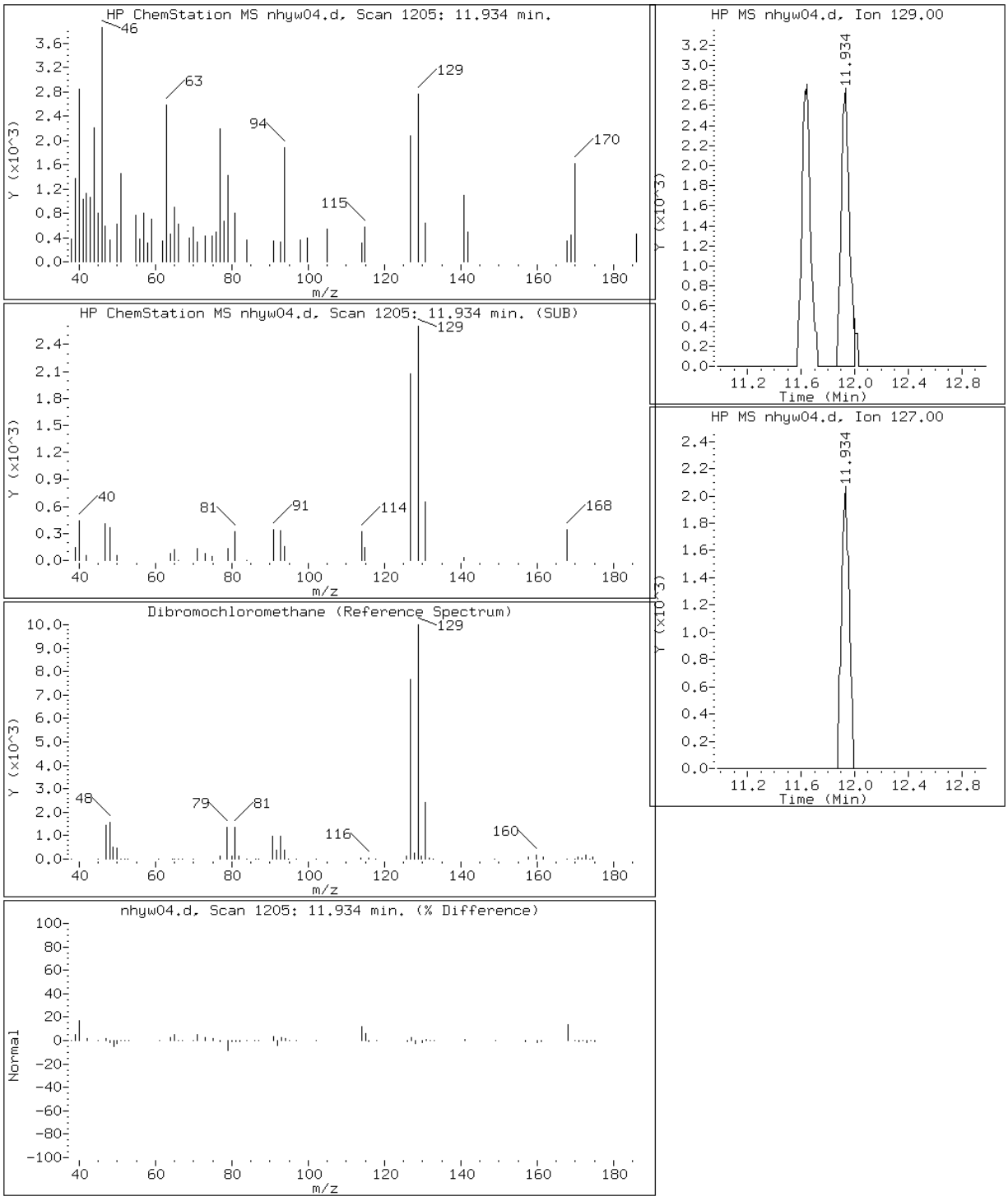
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

50 Dibromochloromethane



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

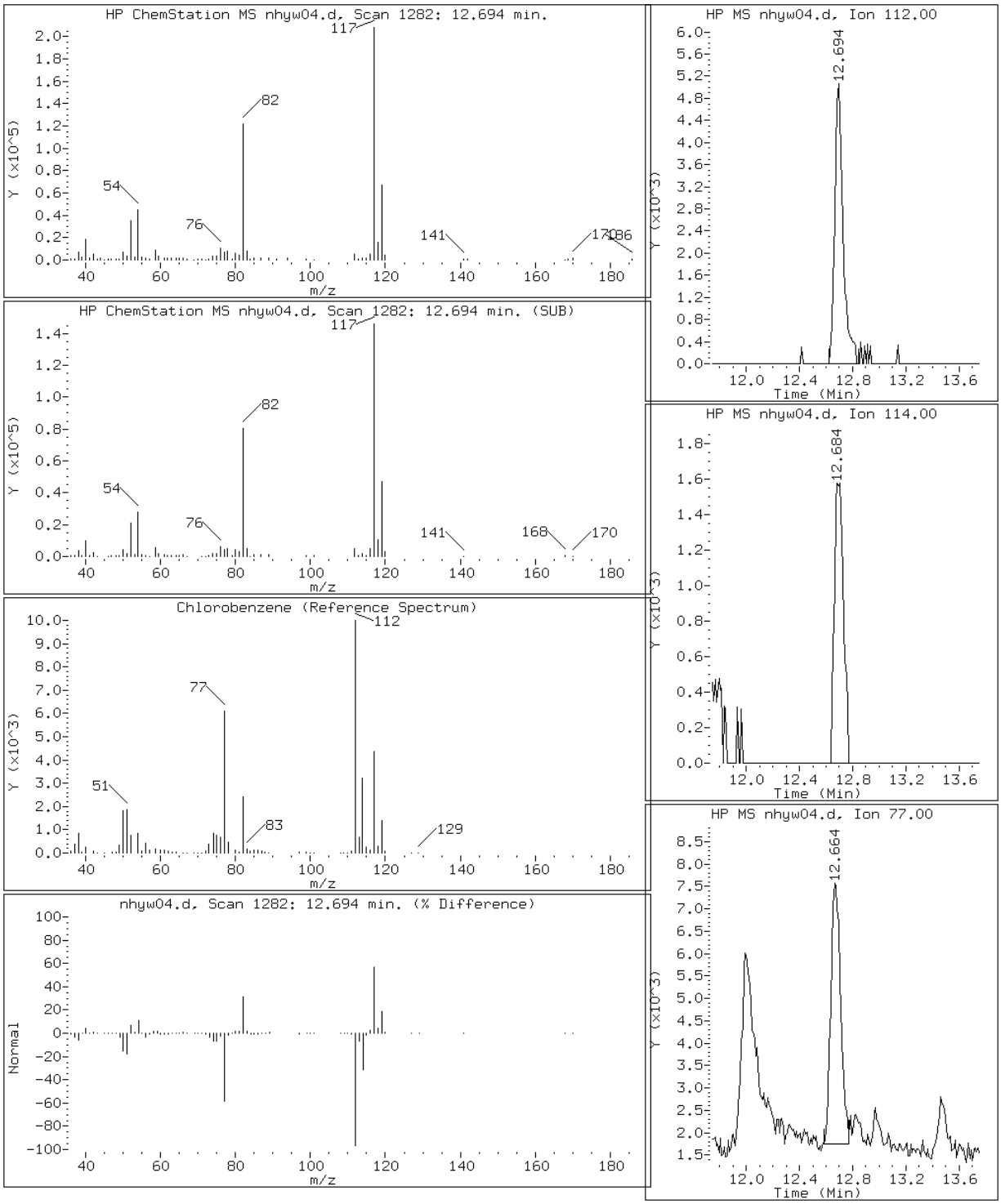
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

53 Chlorobenzene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

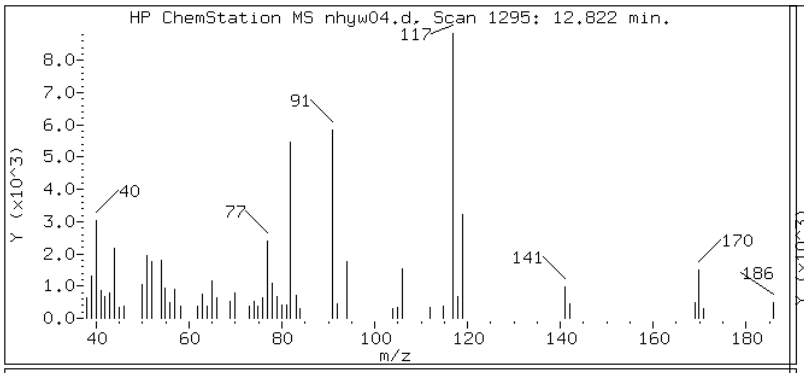
Sample Info: MB

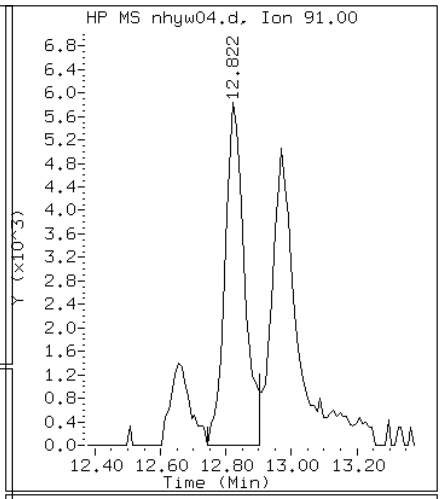
Date: 31-JUL-2013 11:34

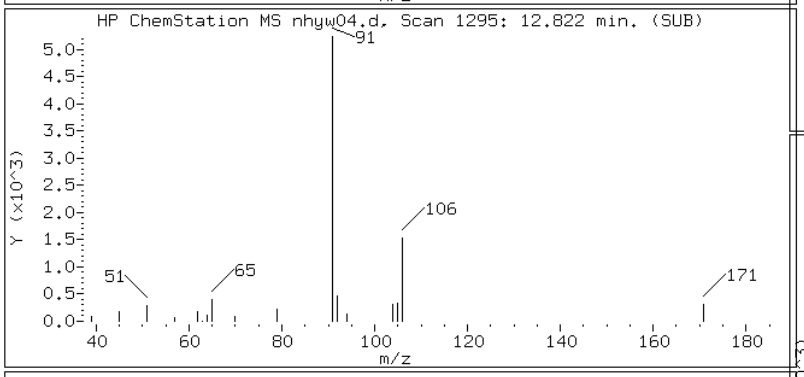
Instrument: N.i

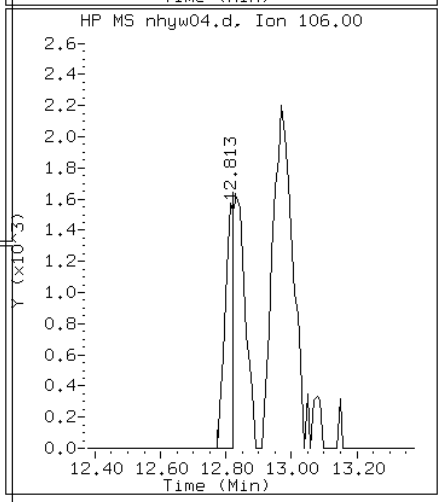
Operator: jpd

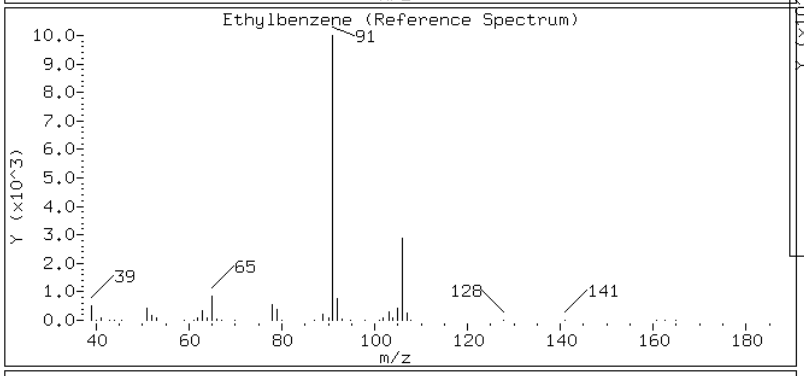
54 Ethylbenzene

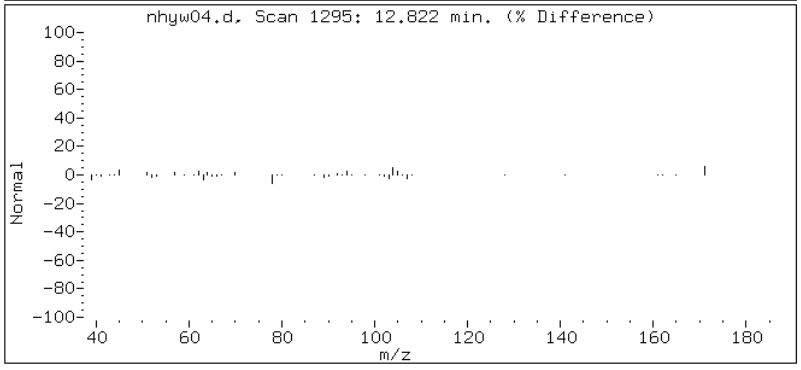












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

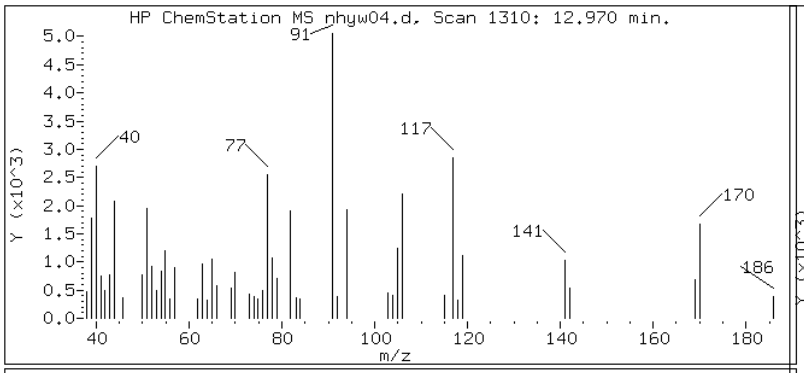
Sample Info: MB

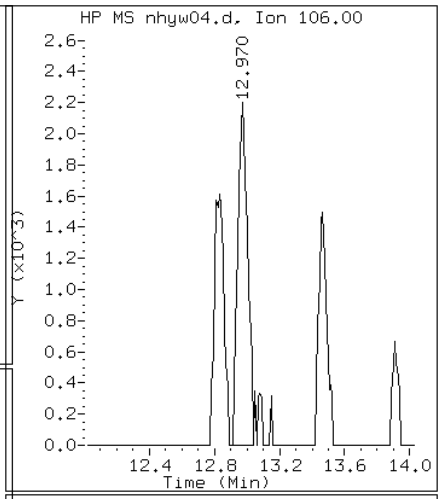
Date: 31-JUL-2013 11:34

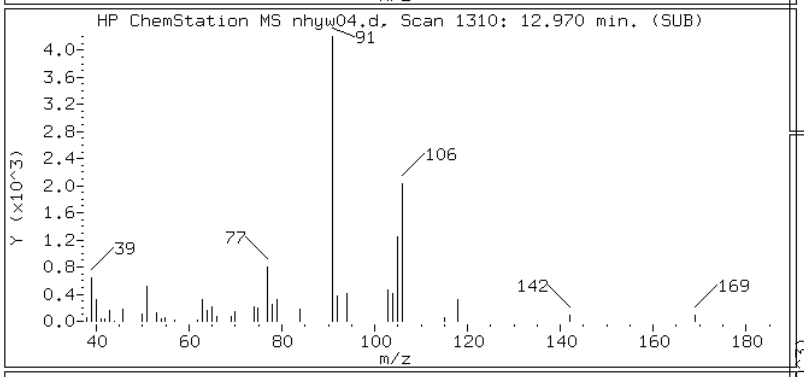
Instrument: N.i

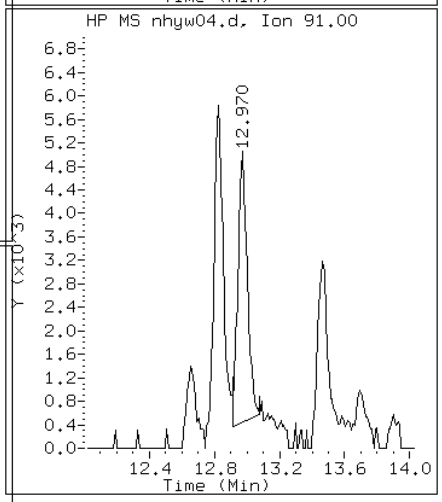
Operator: jpd

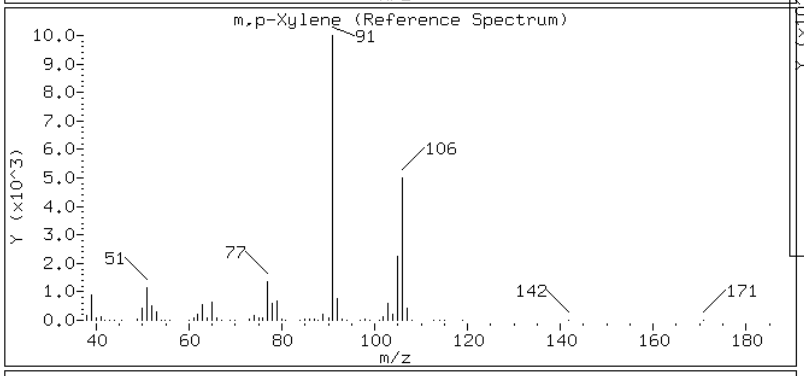
55 m,p-Xylene

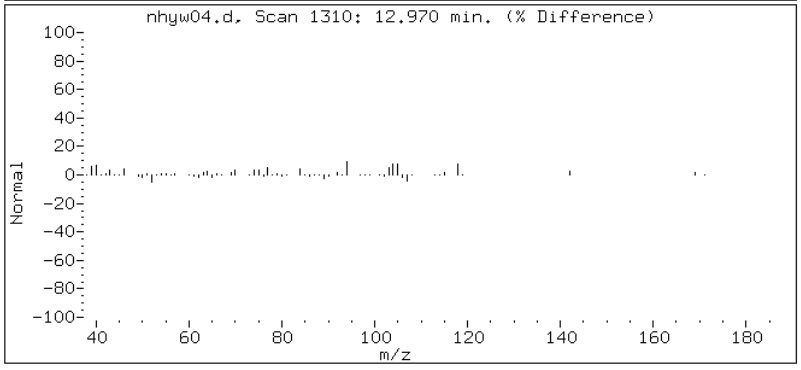












Data File: nhyw04.d

Lab Sample ID: MB

Date: 31-JUL-2013 11:34

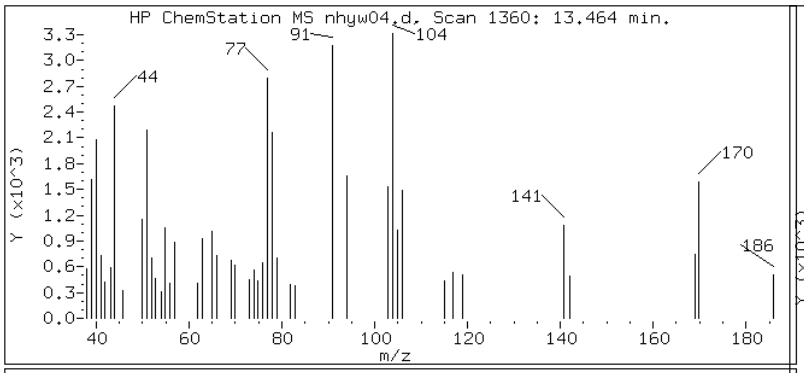
Client ID: VBLKNI

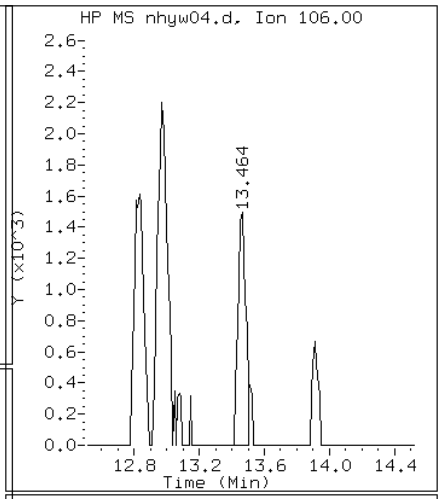
Instrument: N.i

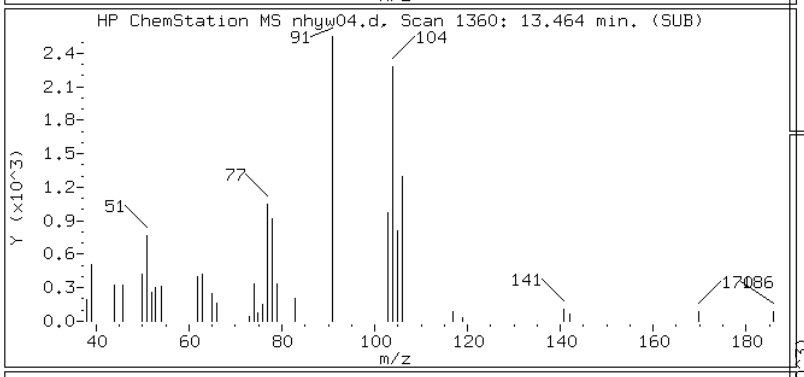
Sample Info: MB

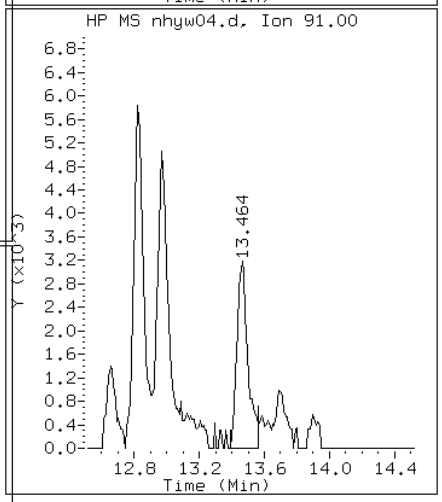
Operator: jpd

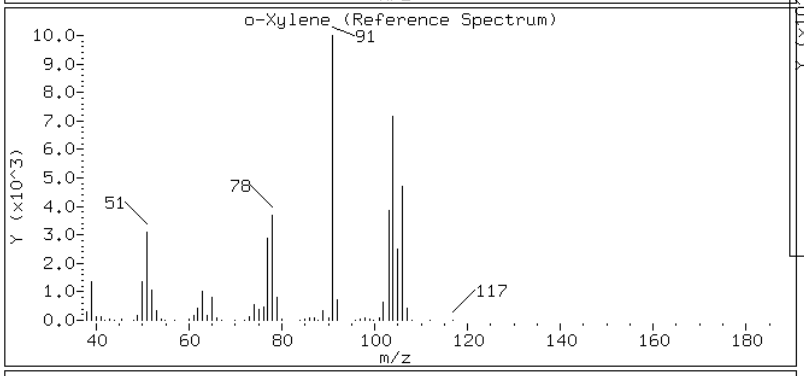
56 o-Xylene

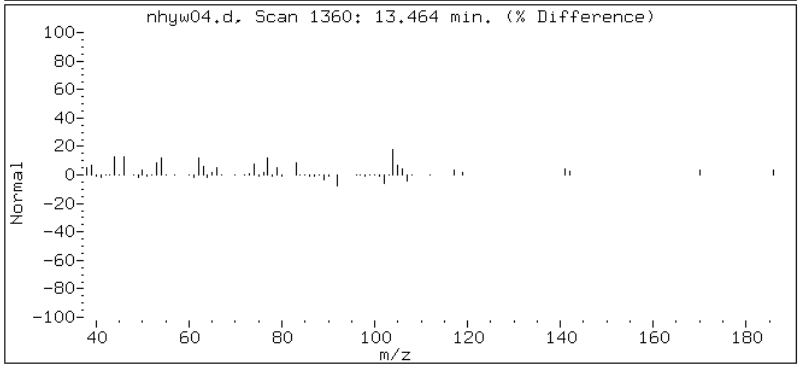












Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

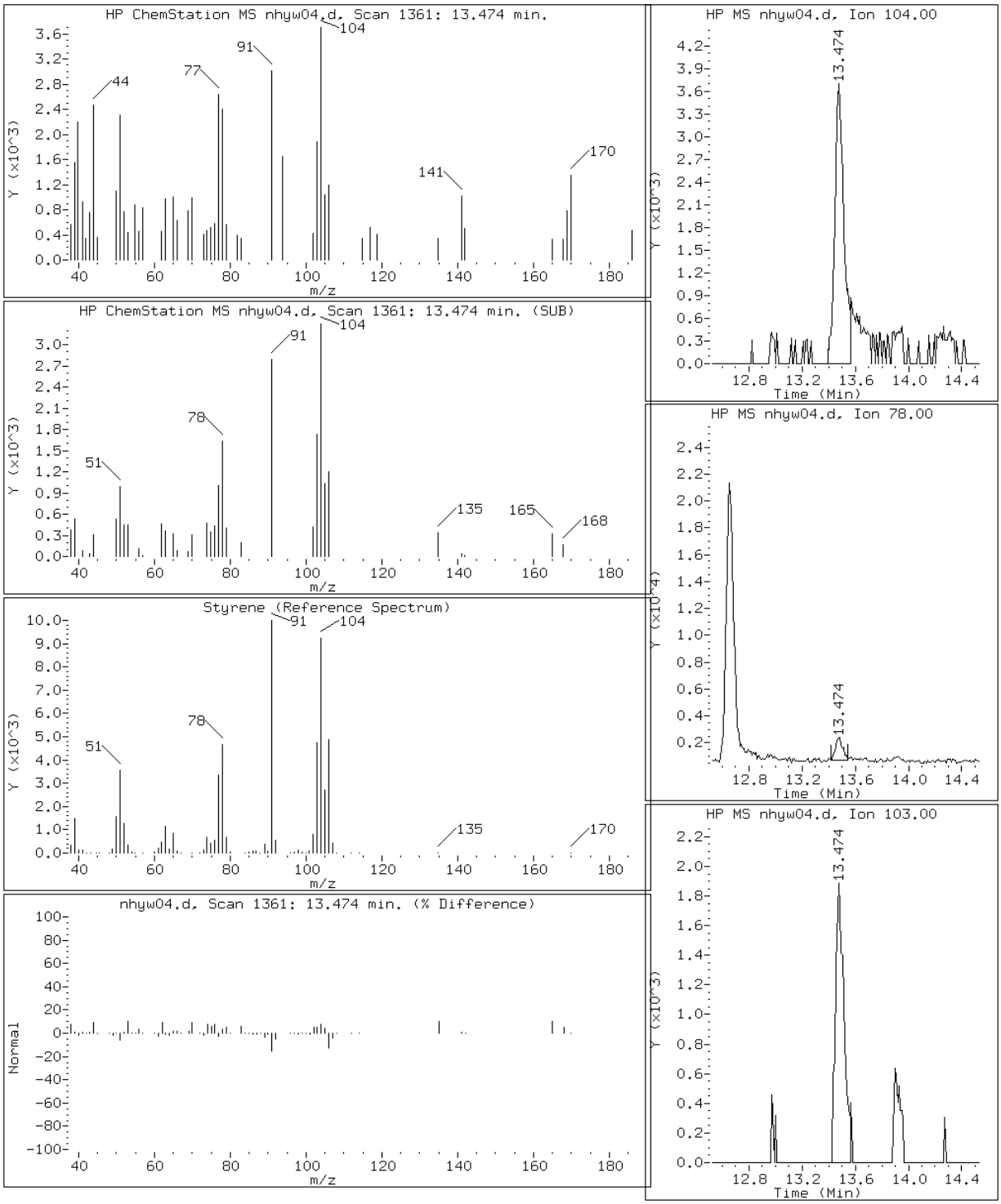
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

57 Styrene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

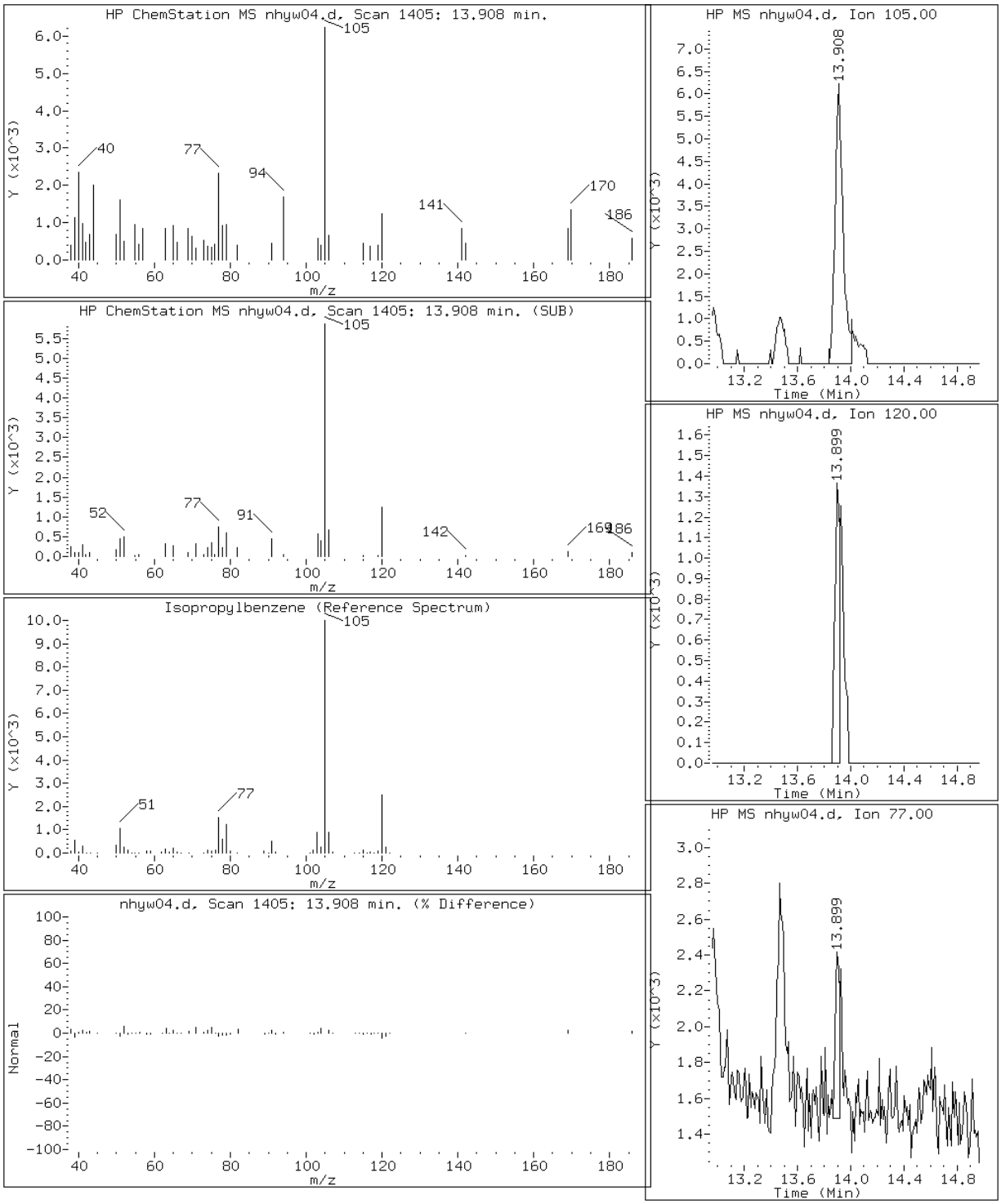
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

59 Isopropylbenzene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

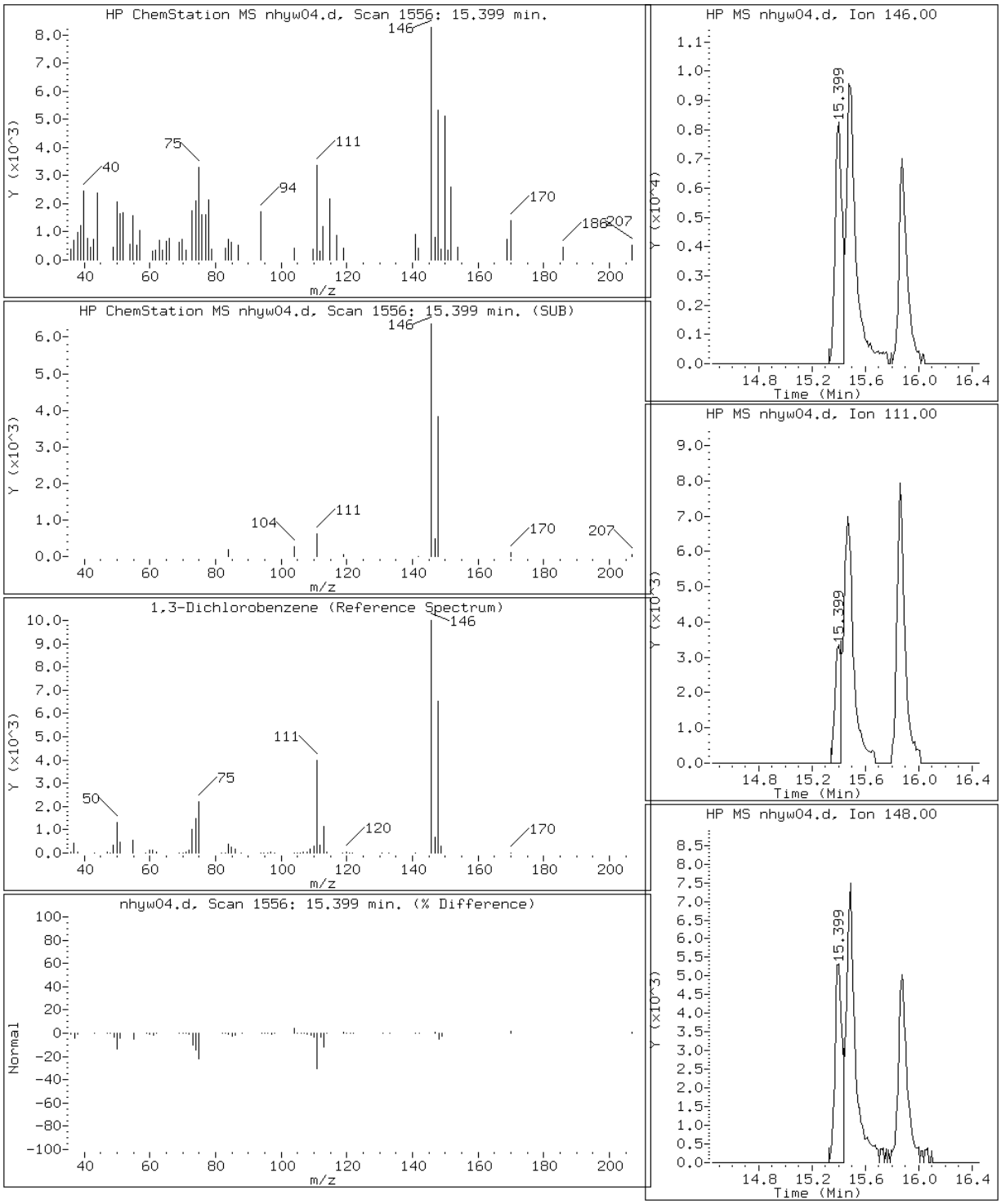
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

62 1,3-Dichlorobenzene



Data File: nhyw04.d

Lab Sample ID: MB

Date: 31-JUL-2013 11:34

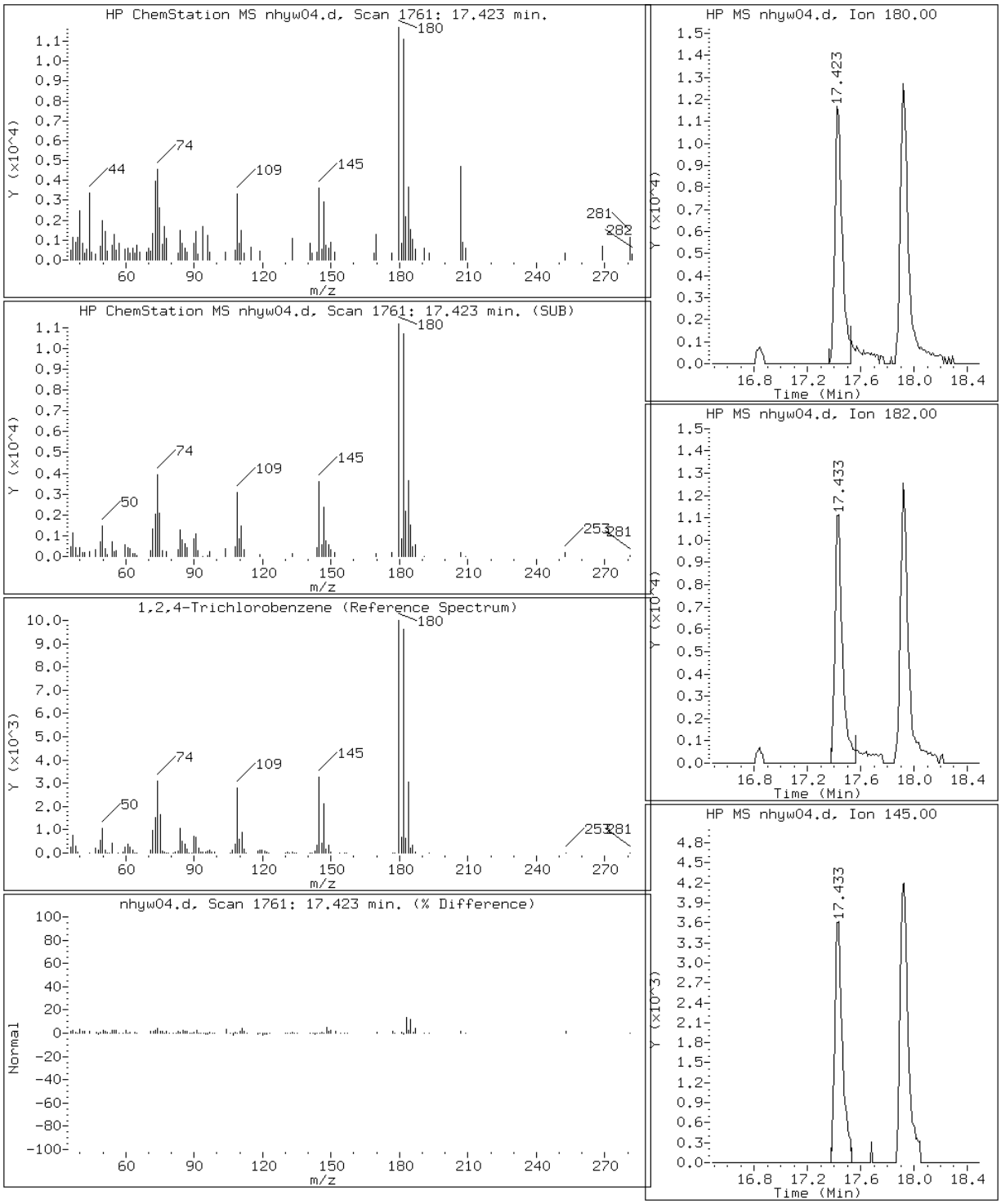
Client ID: VBLKNI

Instrument: N.i

Sample Info: MB

Operator: jpd

68 1,2,4-Trichlorobenzene



Data File: nhyw04.d

Lab Sample ID: MB

Client ID: VBLKNI

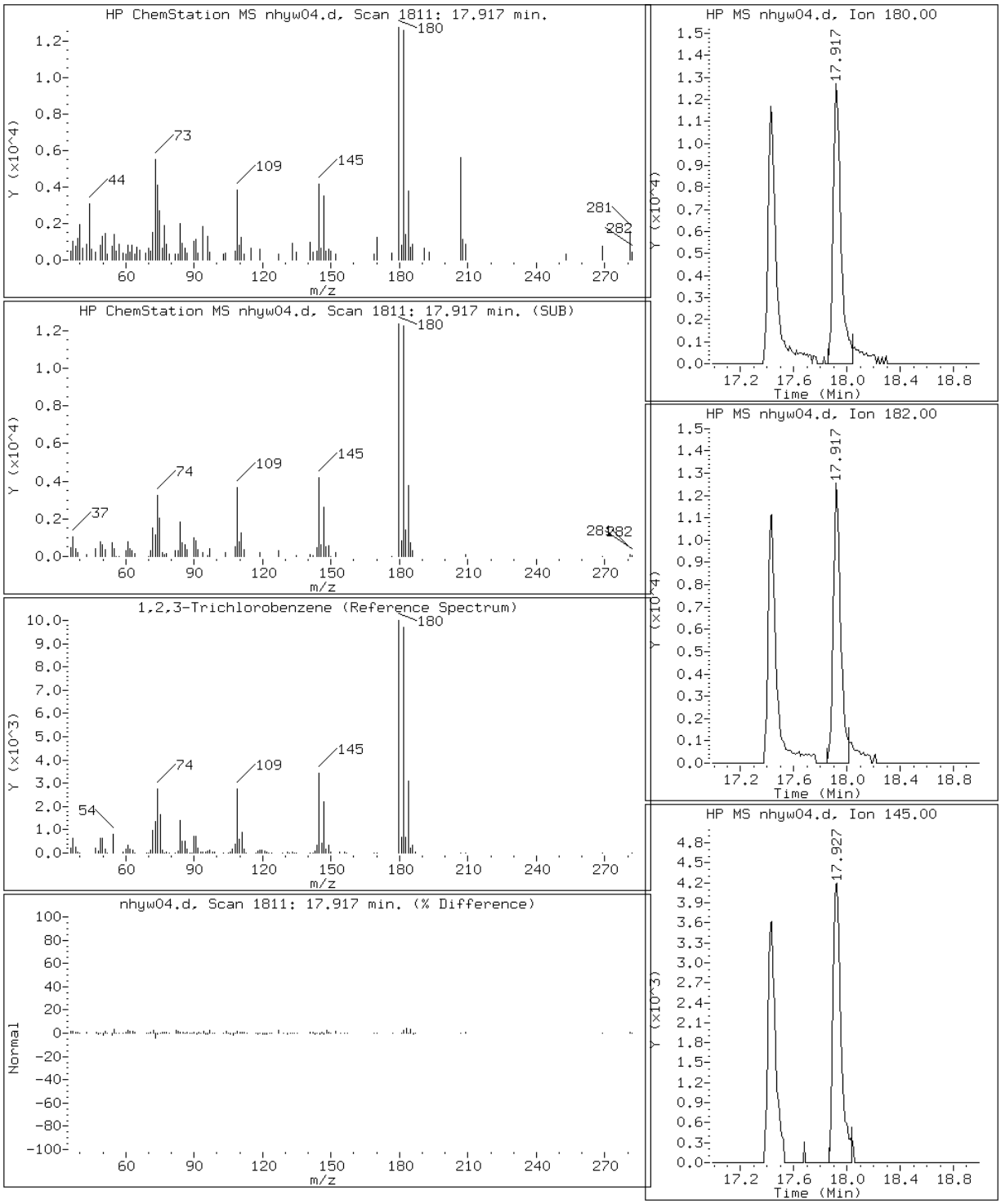
Sample Info: MB

Date: 31-JUL-2013 11:34

Instrument: N.i

Operator: jpd

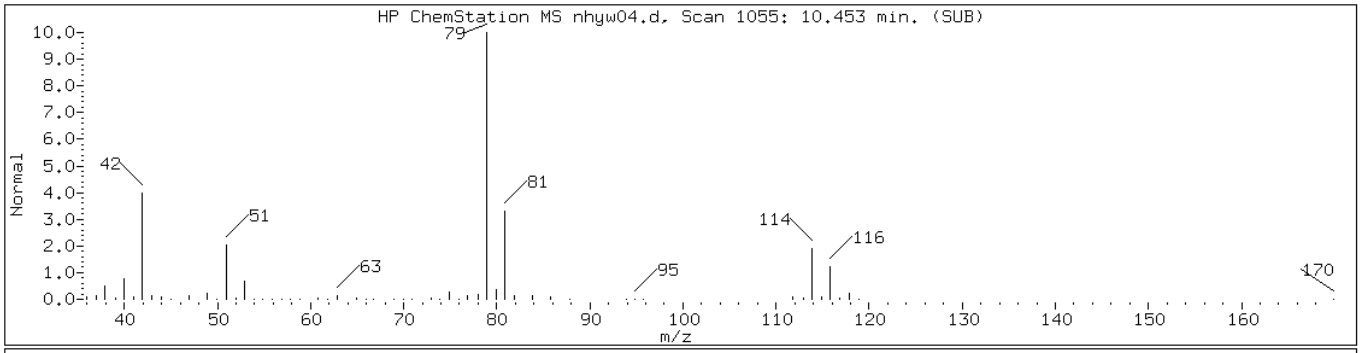
69 1,2,3-Trichlorobenzene

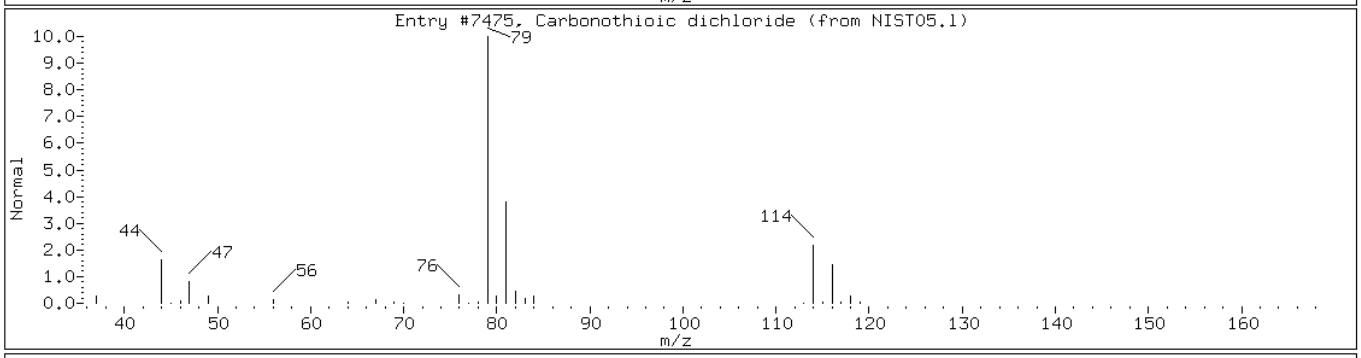


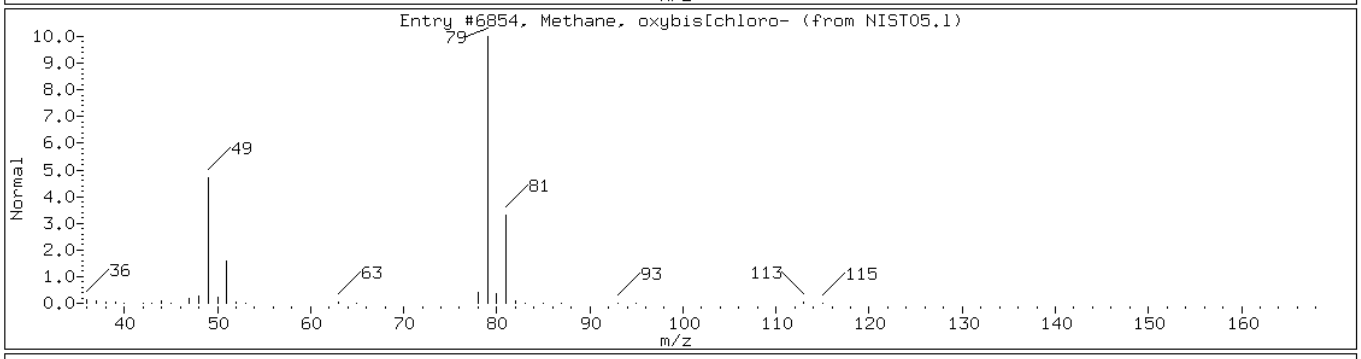
Data File: nhyw04.d
Lab Sample ID: MB Date: 31-JUL-2013 11:34
Client ID: VBLKNI Instrument: N.i
Sample Info: MB Operator: jpd

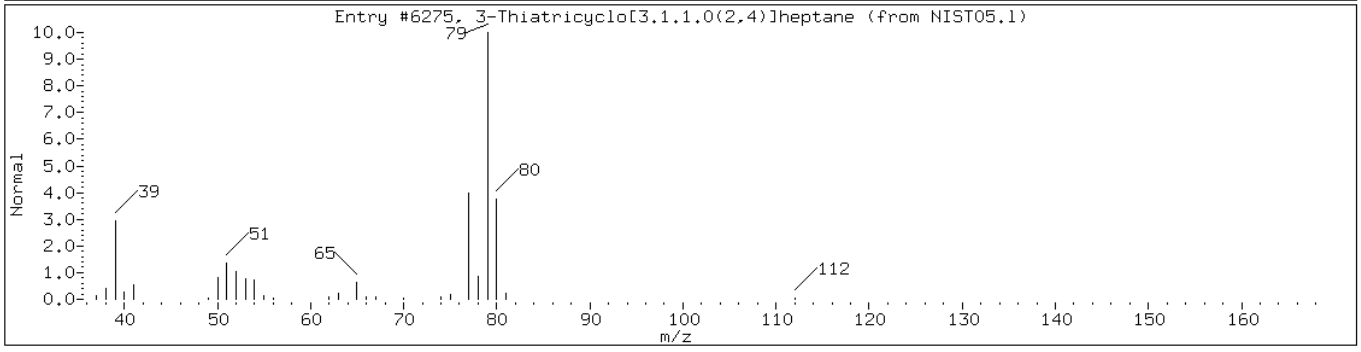
Retention Time: 10.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.l	6275	25	C6H8S	112









SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	TS003 (072413)	84	69	59	92	77	73	72	10
02	TS004 (072413)	93	72	66	116 *	78	80	80	20
03	SBLKQ7	84	68	60	98	78	74	71	33
04	TS003 (072413)RE	91	72	63	108 *	80	78	78	9
05	TS004 (072413)RE	87	70	63	103 *	82	81	74	18

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(17-103)
SDMC2	(BCE) = Bis(2-chloroethyl)ether-d8	(12-98)
SDMC3	(2CP) = 2-Chlorophenol-d4	(13-101)
SDMC4	(4MP) = 4-Methylphenol-d8	(8-100)
SDMC5	(NBZ) = Nitrobenzene-d5	(16-103)
SDMC6	(2NP) = 2-Nitrophenol-d4	(16-104)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(23-104)
SDMC8	(4CA) = 4-Chloroaniline-d4	(1-145)

\# Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	TS003 (072413)	87	79	55	77	79	79	80	79	0
02	TS004 (072413)	92	85	58	82	88	87	84	79	1
03	SBLKQ7	90	80	109	99	44	82	130 *	80	1
04	TS003 (072413)RE	89	82	55	80	77	83	80	88	1
05	TS004 (072413)RE	93	86	56	83	87	87	99	85	1

		QC LIMITS
SDMC9	(DMP) = Dimethylphthalate-d6	(43-111)
SDMC10	(ACY) = Acenaphthylene-d8	(20-97)
SDMC11	(4NP) = 4-Nitrophenol-d4	(16-166)
SDMC12	(FLR) = Fluorene-d10	(40-108)
SDMC13	(NMP) = 4,6-Dinitro-2-methylphenol-d2	(1-121)
SDMC14	(ANC) = Anthracene-d10	(22-98)
SDMC15	(PYR) = Pyrene-d10	(51-120)
SDMC16	(BAP) = Benzo(a)pyrene-d12	(43-111)

\# Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
SBLKQ7

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Lab File ID: RLAAX07.D Lab Sample ID: MB 200-59243/1-B
Instrument ID: R.i Date Extracted: 08/01/2013
Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 08/22/2013
Level: (LOW/MED) LOW Time Analyzed: 1120
Extraction: (Type) SONC GPC Cleanup: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TS003 (072413)	200-17642-2	RLAAU14.D	08/21/2013
02	TS004 (072413)	200-17642-3	RLAAU15.D	08/21/2013
03	TS003 (072413)RE	200-17642-2	RLAAX08.D	08/22/2013
04	TS004 (072413)RE	200-17642-3	RLAAX09.D	08/22/2013

COMMENTS:

5B - FORM V SV
SEMIVOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

EPA SAMPLE NO.
DFTPPP8

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: RLA02.D DFTTP Injection Date: 08/13/2013

Instrument Id: R.i DFTTP Injection Time: 1309

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.6
68	Less than 2.0% of mass 69	1.0 (1.5)1
69	Mass 69 relative abundance	62.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	10.0 - 80.0% of mass 198	53.5
197	Less than 2.0% of mass 198	0
198	Base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1.0% of mass 198	4.5
441	Present, but less than mass 443	9.9 (75.3)1
442	50.0 - 100% of mass 198	72.7
443	15.0 - 24.0% of mass 442	13.2 (18.1)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080LA	IC 200-59785/2	RLA03.D	08/13/2013	1332
02	SSTD040LA	IC 200-59785/3	RLA05.D	08/13/2013	1444
03	SSTD010LA	IC 200-59785/5	RLA07.D	08/13/2013	1556
04	SSTD005LA	IC 200-59785/6	RLA08.D	08/13/2013	1632

5B - FORM V SV
SEMIVOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

EPA SAMPLE NO.
DFTPPQ5

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: RLAAU02.D DFTTP Injection Date: 08/21/2013

Instrument Id: R.i DFTTP Injection Time: 1014

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.7
68	Less than 2.0% of mass 69	0.7 (1.2)1
69	Mass 69 relative abundance	59.4
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	10.0 - 80.0% of mass 198	50.5
197	Less than 2.0% of mass 198	0
198	Base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1.0% of mass 198	4.5
441	Present, but less than mass 443	10.1 (78.1)1
442	50.0 - 100% of mass 198	74.9
443	15.0 - 24.0% of mass 442	13.0 (17.3)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020AU	CCVIS 200-60283/2	RLAAU03.D	08/21/2013	1036
02	TS003 (072413)	200-17642-2	RLAAU14.D	08/21/2013	1706
03	TS004 (072413)	200-17642-3	RLAAU15.D	08/21/2013	1741
04	SSTD020AU	CCVC 200-60283/9	RLAAU16.D	08/21/2013	1817

5B - FORM V SV
SEMIVOLATILE ORGANICS INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

EPA SAMPLE NO.
DFTPPQ6

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File Id: RLAAX01.D DFTTP Injection Date: 08/22/2013

Instrument Id: R.i DFTTP Injection Time: 0747

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.6
68	Less than 2.0% of mass 69	0 (0)1
69	Mass 69 relative abundance	62.9
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of mass 198	53.0
197	Less than 2.0% of mass 198	0
198	Base peak, 100% relative abundance	100
199	5.0 - 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1.0% of mass 198	4.5
441	Present, but less than mass 443	10.1 (77.8)1
442	50.0 - 100% of mass 198	75.1
443	15.0 - 24.0% of mass 442	12.9 (17.2)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020AX	CCVIS 200-60157/2	RLAAX02.D	08/22/2013	0816
02	SBLKQ7	MB 200-59243/1-B	RLAAX07.D	08/22/2013	1120
03	TS003 (072413)RE	200-17642-2	RLAAX08.D	08/22/2013	1155
04	TS004 (072413)RE	200-17642-3	RLAAX09.D	08/22/2013	1231
05	SSTD020AY	CCVC 200-60157/9	RLAAX12.D	08/22/2013	1420
06	SSTD020AZ	CCVC 200-60157/10	RLAAX13.D	08/22/2013	1456

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RXI-5MS ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Date Analyzed: 08/21/2013

Lab File ID (Standard): RLAAU03.D Time Analyzed: 1036

Instrument ID: R.i

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	143251		5.92		384100		7.80		217173		10.29	
	UPPER LIMIT	286502		6.42		768200		8.30		434346		10.79	
	LOWER LIMIT	71626		5.42		192050		7.30		108587		9.79	
	EPA SAMPLE NO.												
01	TS003 (072413)	285333		5.91		920203*		7.79		547328*		10.29	
02	TS004 (072413)	361310*		5.92		1299840*		7.79		717469*		10.30	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RXI-5MS ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Date Analyzed: 08/21/2013

Lab File ID (Standard): RLAAU03.D Time Analyzed: 1036

Instrument ID: R.i

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	341775		12.28		313093		15.85		326355		17.63	
	UPPER LIMIT	683550		12.78		626186		16.35		652710		18.13	
	LOWER LIMIT	170888		11.78		156547		15.35		163178		17.13	
	EPA SAMPLE NO.												
01	TS003 (072413)	531623		12.28		397346		15.85		254930		17.63	
02	TS004 (072413)	644517		12.29		513920		15.85		276130		17.63	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RXI-5MS ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AX Date Analyzed: 08/22/2013

Lab File ID (Standard): RLAAX02.D Time Analyzed: 0816

Instrument ID: R.i

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	204742		5.87		761317		7.75		457126		10.26	
	UPPER LIMIT	409484		6.37		1522634		8.25		914252		10.76	
	LOWER LIMIT	102371		5.37		380659		7.25		228563		9.76	
	EPA SAMPLE NO.												
01	SBLKQ7	244741		5.86		784237		7.74		475294		10.24	
02	TS003 (072413)RE	314871		5.87		1084624		7.74		630309		10.25	
03	TS004 (072413)RE	663810	*	5.88		2020214	*	7.75		937229	*	10.24	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RXI-5MS ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AX Date Analyzed: 08/22/2013

Lab File ID (Standard): RLAAX02.D Time Analyzed: 0816

Instrument ID: R.i

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	635445		12.24		663153		15.80		655333		17.58	
	UPPER LIMIT	1270890		12.74		1326306		16.30		1310666		18.08	
	LOWER LIMIT	317723		11.74		331577		15.30		327667		17.08	
	EPA SAMPLE NO.												
01	SBLKQ7	1037756		12.23		500543		15.80		579962		17.57	
02	TS003 (072413)RE	602972		12.23		477729		15.81		226389	*	17.58	
03	TS004 (072413)RE	853040		12.24		528386		15.80		269754	*	17.58	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2
Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAU14.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	210	U

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2
Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAU14.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	N-Nitrosodiphenylamin [1]	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	55	J
120-12-7	Anthracene	8.6	J
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	15	J B
206-44-0	Fluoranthene	97	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo(a)anthracene	66	J
218-01-9	Chrysene	94	J
117-81-7	Bis(2-ethylhexyl)phthalate	210	B
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	88	J
50-32-8	Benzo(a)pyrene	92	J
193-39-5	Indeno(1,2,3-cd)pyrene	49	J
53-70-3	Dibenzo(a,h)anthracene	210	U
191-24-2	Benzo(g,h,i)perylene	59	J
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

[1] Cannot be separated from Diphenylamine

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAU14.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

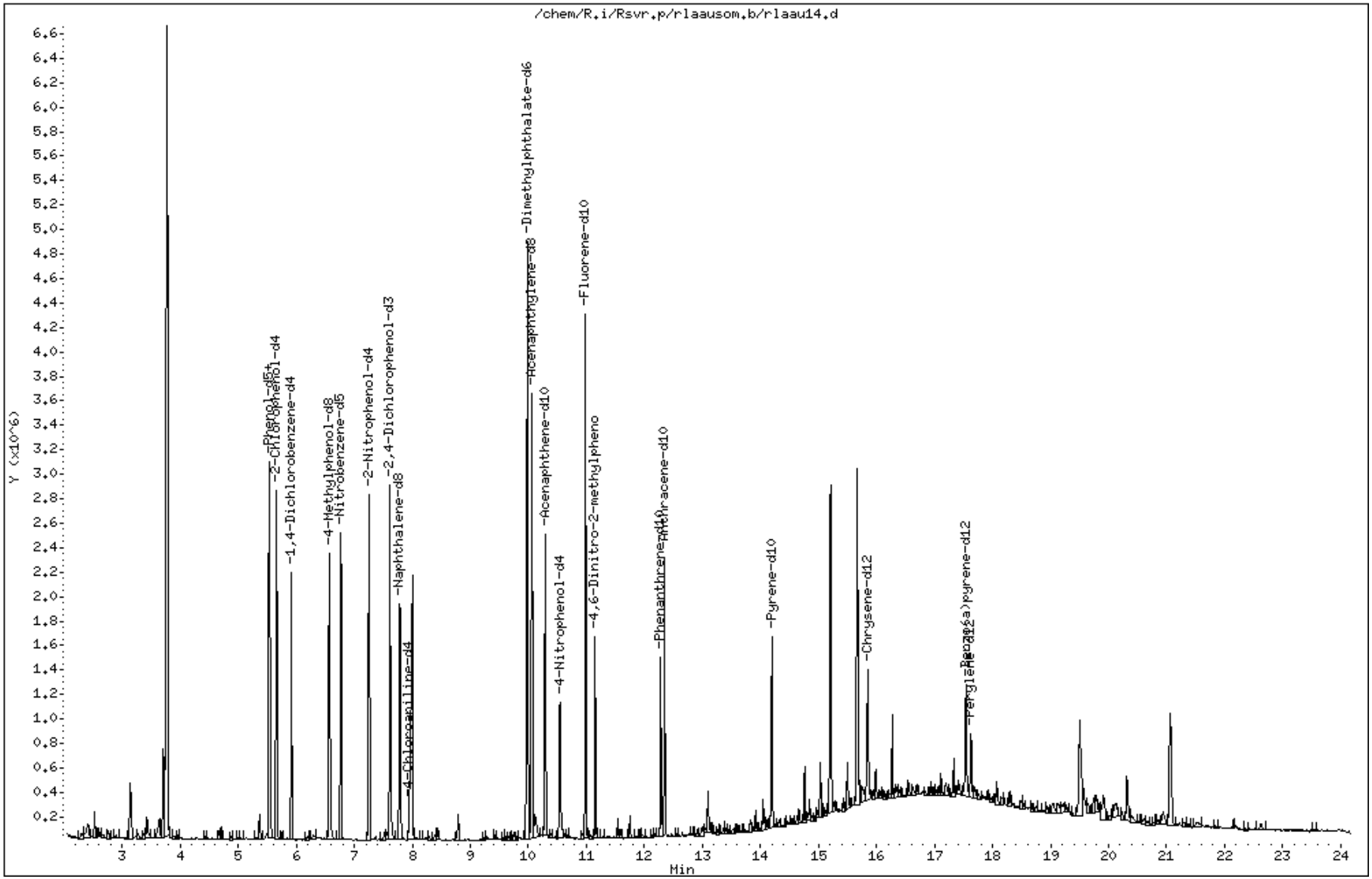
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: /chem/R.i/Rsvr.p/rlaausom.b/rlaau14.d
Date : 21-AUG-2013 17:06
Client ID: TS003 (072413)
Sample Info: 200-17642-F-2-G
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 21-AUG-2013 17:06
Operator : djb Inst ID: R.i
Smp Info : 200-17642-F-2-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 21-Aug-2013 11:26 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng/uL)
5	Benzaldehyde	77	Compound Not Detected.					
$ 6	Phenol-d5	71	5.535	5.525	(0.936)	620401	66.9131	33(Q)
7	Phenol	94	Compound Not Detected.					
$ 8	Bis(2-chloroethyl)ether-d8	67	5.545	5.546	(0.937)	434797	55.4567	28(Q)
9	Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 10	2-Chlorophenol-d4	132	5.658	5.649	(0.957)	468176	47.3391	24
11	2-Chlorophenol	128	Compound Not Detected.					
* 12	1,4-Dichlorobenzene-d4	152	5.915	5.916	(1.000)	285333	40.0000	
14	2-Methylphenol	108	Compound Not Detected.					
15	2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 16	4-Methylphenol-d8	113	6.572	6.573	(1.111)	413289	73.9529	37(Q)
17	Acetophenone	105	Compound Not Detected.					
18	4-Methylphenol	108	Compound Not Detected.					
20	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
21	Hexachloroethane	116	Compound Not Detected.					
$ 22	Nitrobenzene-d5	128	6.768	6.768	(0.868)	265241	61.6590	31(Q)
23	Nitrobenzene	77	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng/uL)
	24	Isophorone	82	Compound Not Detected.					
$	25	2-Nitrophenol-d4	143	7.250	7.251	(0.930)	317923	58.7332	29
	26	2-Nitrophenol	139	Compound Not Detected.					
	27	2,4-Dimethylphenol	107	Compound Not Detected.					
	28	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	29	2,4-Dichlorophenol-d3	165	7.620	7.611	(0.978)	584798	57.9764	29
	30	2,4-Dichlorophenol	162	Compound Not Detected.					
*	31	Naphthalene-d8	136	7.795	7.796	(1.000)	920203	40.0000	
	32	Naphthalene	128	Compound Not Detected.					
$	33	4-Chloroaniline-d4	131	7.949	7.939	(1.020)	79596	7.63841	3.8(a)
	34	4-Chloroaniline	127	Compound Not Detected.					
	35	Hexachlorobutadiene	224	Compound Not Detected.					
	36	Caprolactam	113	Compound Not Detected.					
	37	4-Chloro-3-methylphenol	107	Compound Not Detected.					
	38	2-Methylnaphthalene	142	Compound Not Detected.					
	39	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	40	Hexachlorocyclopentadiene	236	Compound Not Detected.					
	41	2,4,6-Trichlorophenol	196	Compound Not Detected.					
	42	2,4,5-Trichlorophenol	196	Compound Not Detected.					
	43	1,1'-Biphenyl	154	Compound Not Detected.					
	45	2-Chloronaphthalene	162	Compound Not Detected.					
	46	2-Nitroaniline	65	Compound Not Detected.					
$	47	Dimethylphthalate-d6	166	9.983	9.984	(0.970)	1707185	69.6297	35
	48	Dimethylphthalate	163	Compound Not Detected.					
	51	2,6-Dinitrotoluene	165	Compound Not Detected.					
$	49	Acenaphthylene-d8	160	10.065	10.056	(0.978)	1730866	63.2615	32
	50	Acenaphthylene	152	Compound Not Detected.					
	52	3-Nitroaniline	138	Compound Not Detected.					
*	53	Acenaphthene-d10	164	10.291	10.292	(1.000)	547328	40.0000	
	54	Acenaphthene	153	Compound Not Detected.					
	55	2,4-Dinitrophenol	184	Compound Not Detected.					
$	56	4-Nitrophenol-d4	143	10.548	10.538	(1.025)	108017	44.0404	22
	57	4-Nitrophenol	109	Compound Not Detected.					
	58	Dibenzofuran	168	Compound Not Detected.					
	60	2,4-Dinitrotoluene	165	Compound Not Detected.					
	61	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	62	Diethylphthalate	149	Compound Not Detected.					
$	63	Fluorene-d10	176	10.990	10.980	(1.068)	1006744	61.3190	31
	64	Fluorene	166	Compound Not Detected.					
	65	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	66	4-Nitroaniline	138	Compound Not Detected.					
$	67	4,6-Dinitro-2-methylphenol-d2	200	11.154	11.155	(0.908)	153183	63.2795	32
	68	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	69	N-Nitrosodiphenylamine	169	Compound Not Detected.					
	70	4-Bromophenyl-phenylether	248	Compound Not Detected.					
	71	Hexachlorobenzene	283	Compound Not Detected.					
	72	Atrazine	200	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	73 Pentachlorophenol	265	Compound Not Detected.					
*	74 Phenanthrene-d10	188	12.284	12.285	(1.000)	531623	40.0000	
	75 Phenanthrene	178	12.315	12.315	(1.002)	36014	2.75887	1.4(a)
$	76 Anthracene-d10	188	12.346	12.346	(1.005)	930365	63.0701	32
	77 Anthracene	178	12.376	12.367	(1.008)	5518	0.43004	0.22(a)
	78 Carbazole	167	Compound Not Detected.					
	79 Di-n-butylphthalate	149	13.178	13.178	(1.073)	13831	0.74282	0.37(a)
	80 Fluoranthene	202	13.917	13.918	(1.133)	65971	4.81227	2.4(a)
$	82 Pyrene-d10	212	14.195	14.185	(0.896)	637858	63.8660	32
	83 Pyrene	202	14.215	14.216	(0.897)	59757	6.40936	3.2(aM)
	84 Butylbenzylphthalate	149	Compound Not Detected.					
	85 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	86 Benzo(a)anthracene	228	15.828	15.829	(0.999)	31094	3.26606	1.6(a)
*	87 Chrysene-d12	240	15.848	15.849	(1.000)	397346	40.0000	
	88 Chrysene	228	15.879	15.880	(1.002)	40287	4.66394	2.3(a)
	89 Bis(2-ethylhexyl)phthalate	149	15.992	15.983	(1.009)	68631	10.2572	5.1
	90 Di-n-octylphthalate	149	Compound Not Detected.					
	91 Benzo(b)fluoranthene	252	17.194	17.185	(0.976)	38142	5.35013	2.7(aM)
	92 Benzo(k)fluoranthene	252	17.215	17.215	(0.977)	31655	4.38211	2.2(aM)
$	93 Benzo(a)pyrene-d12	264	17.543	17.534	(0.995)	397986	62.9670	31
	94 Benzo(a)pyrene	252	17.564	17.565	(0.996)	28276	4.57983	2.3(a)
*	95 Perylene-d12	264	17.626	17.626	(1.000)	254930	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.920	18.921	(1.073)	17399	2.44659	1.2(a)
	97 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	98 Benzo(g,h,i)perylene	276	19.269	19.270	(1.093)	17605	2.95044	1.5(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 21-AUG-2013 17:06
Operator : djb Inst ID: R.i
Smp Info : 200-17642-F-2-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 21-Aug-2013 11:26 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Manual Integration Report

Data File: rlaau14.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 21-AUG-2013 17:06
Instrument ID: R.i
Client ID: TS003 (072413)
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/26/2013

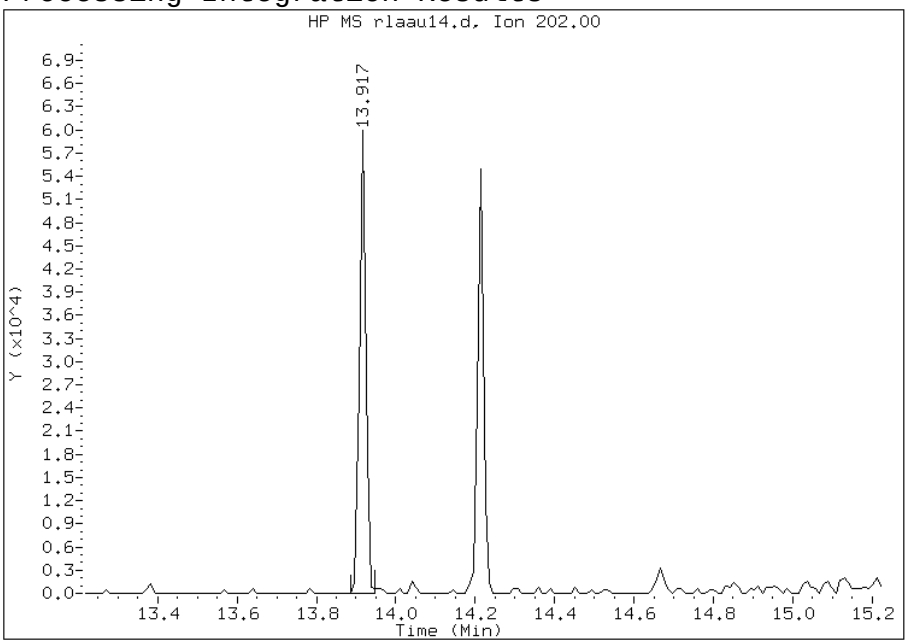
Processing Integration Results

RT: 13.92

Response: 65971

Amount: 7.08

Conc: 3.54



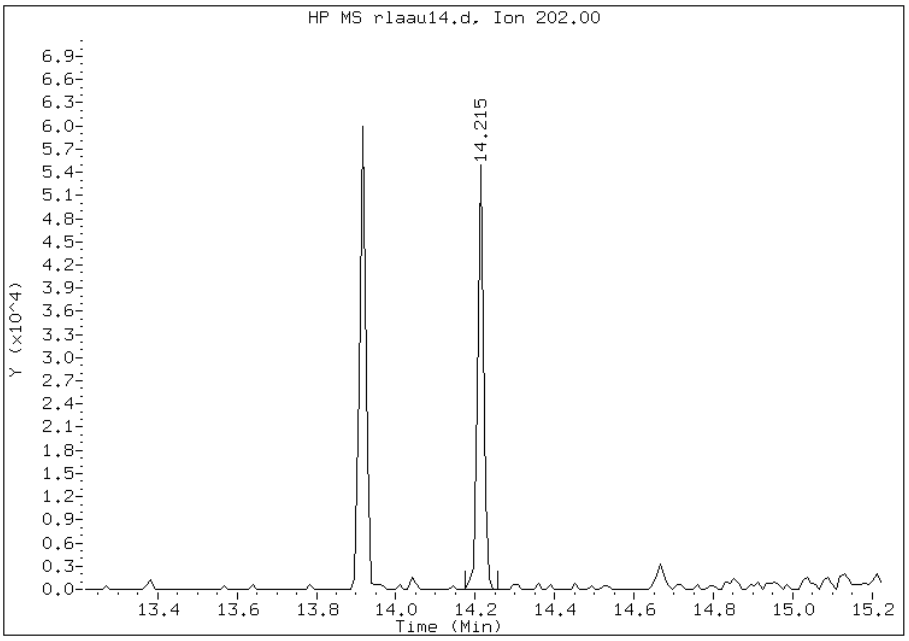
Manual Integration Results

RT: 14.22

Response: 59757

Amount: 6.41

Conc: 3.20



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaau14.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 21-AUG-2013 17:06
Instrument ID: R.i
Client ID: TS003 (072413)
Compound: 91 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 08/26/2013

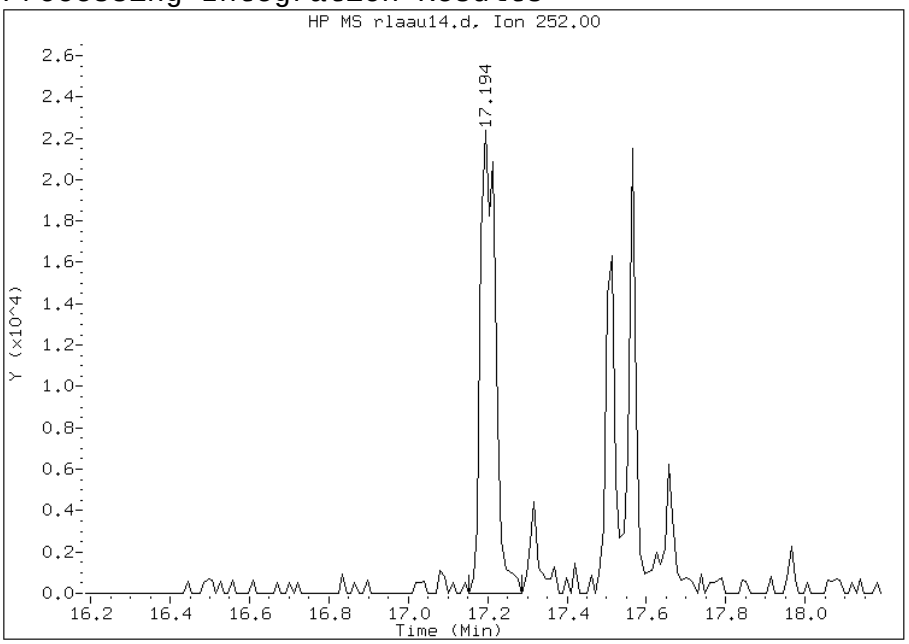
Processing Integration Results

RT: 17.19

Response: 60088

Amount: 8.43

Conc: 4.21



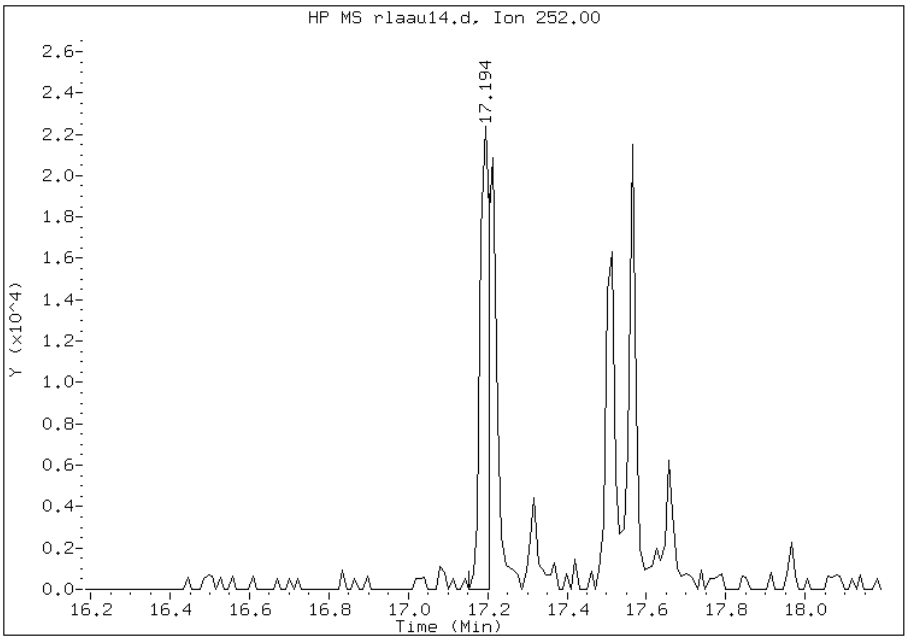
Manual Integration Results

RT: 17.19

Response: 38142

Amount: 5.35

Conc: 2.68



File Uploaded By: je
Manual Integration Reason: Split peak

Manual Integration Report

Data File: rlaau14.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 21-AUG-2013 17:06
Instrument ID: R.i
Client ID: TS003 (072413)
Compound: 92 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/26/2013

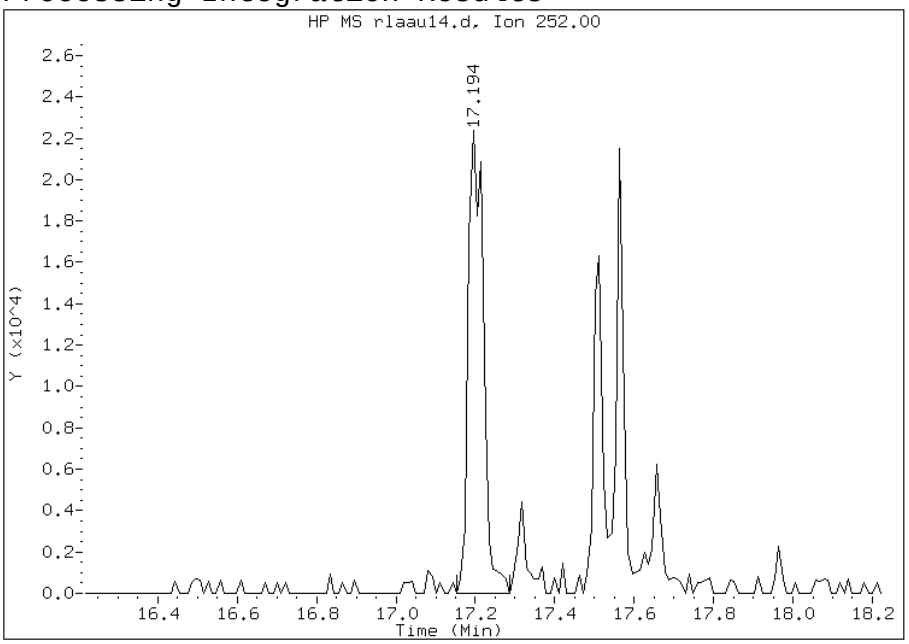
Processing Integration Results

RT: 17.19

Response: 60088

Amount: 8.32

Conc: 4.16



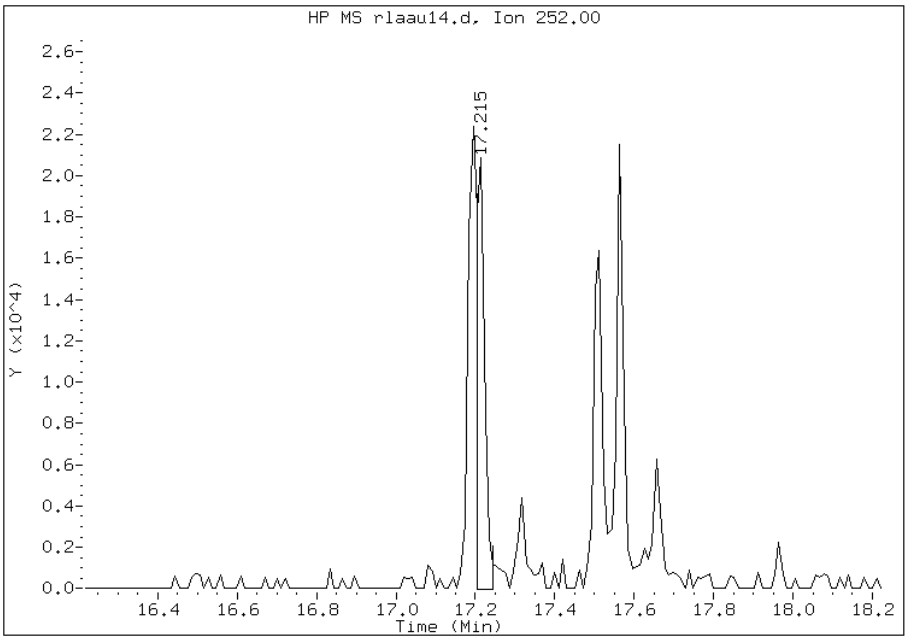
Manual Integration Results

RT: 17.21

Response: 31655

Amount: 4.38

Conc: 2.19



File Uploaded By: je
Manual Integration Reason:

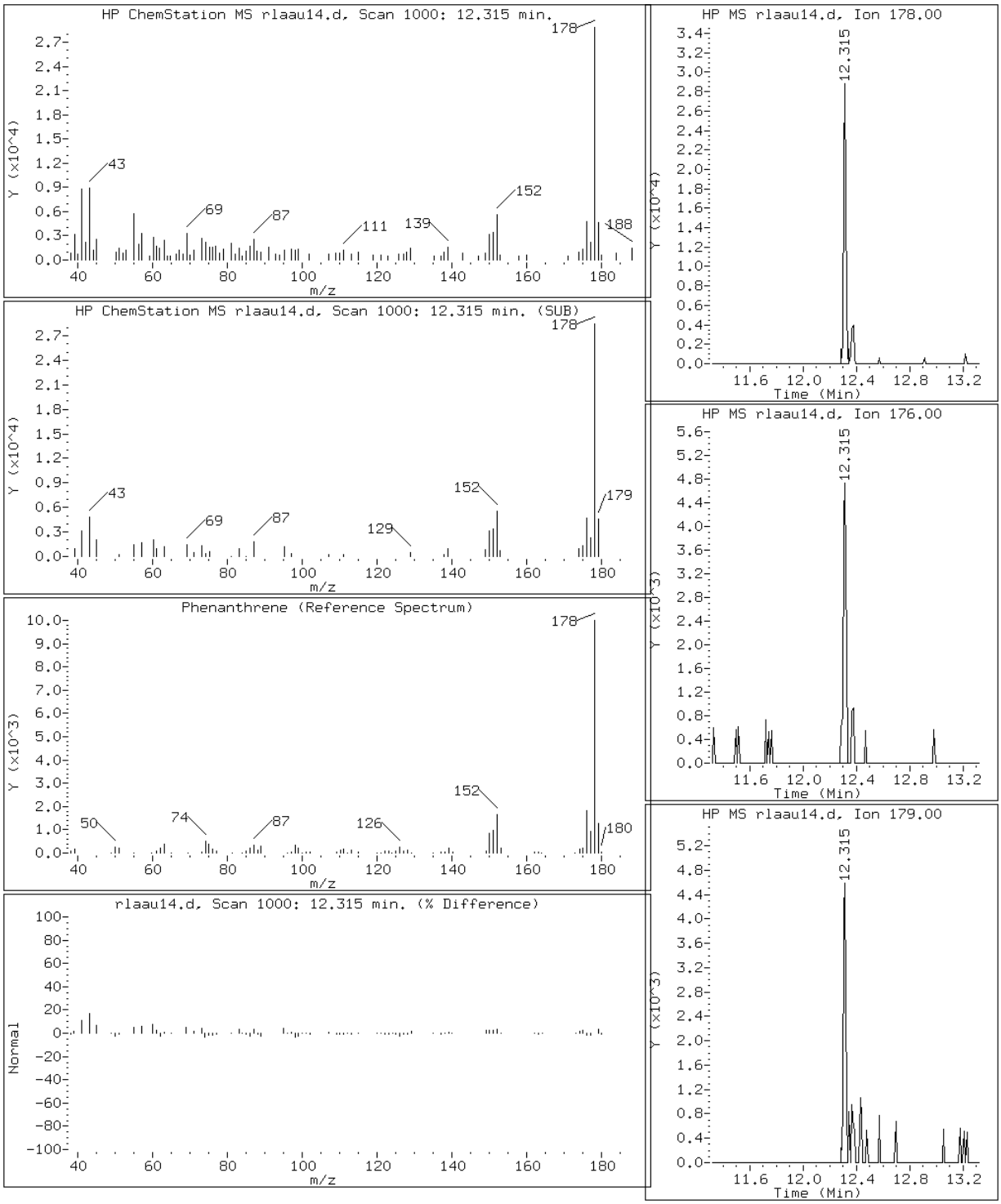
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

75 Phenanthrene



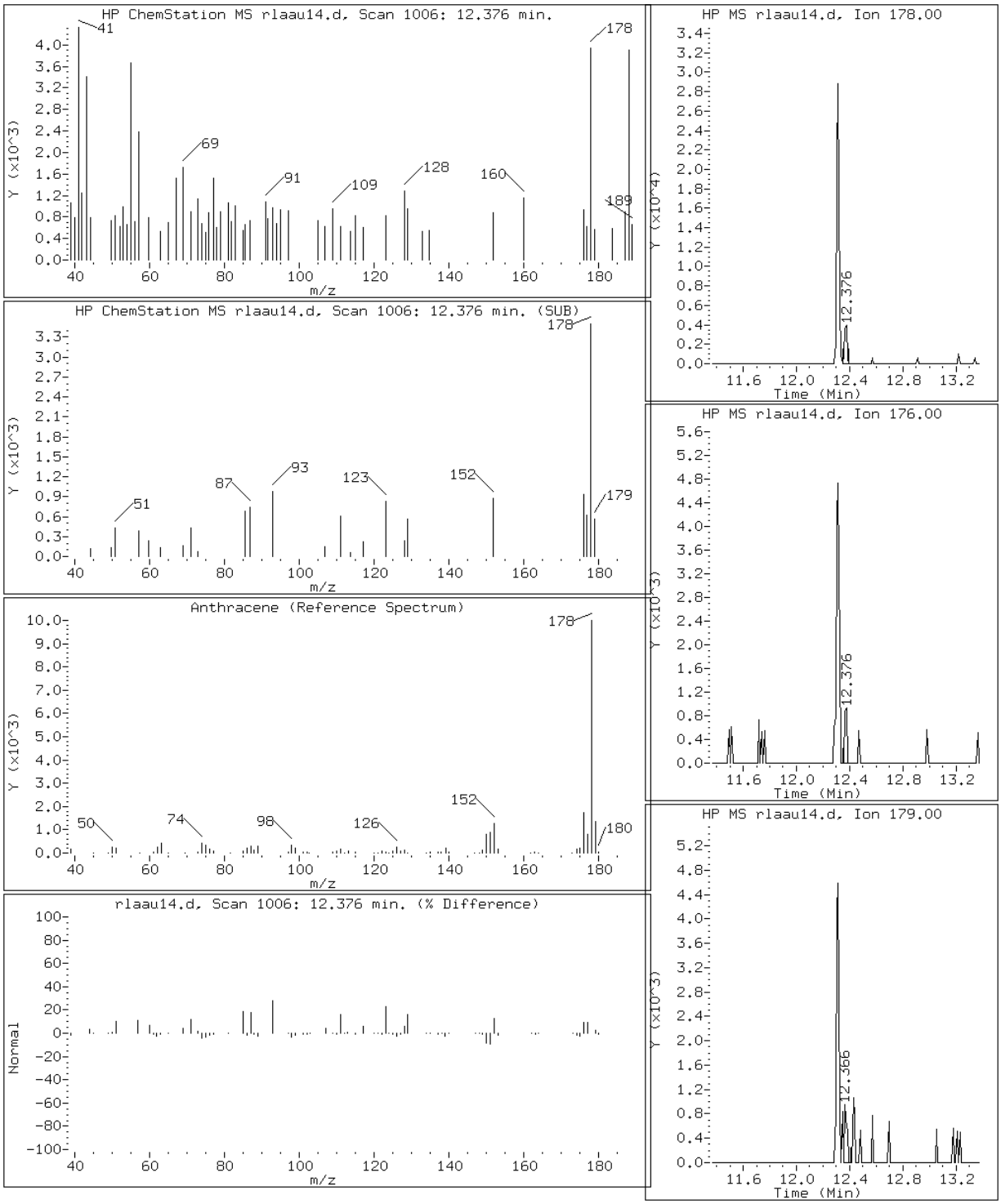
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

77 Anthracene



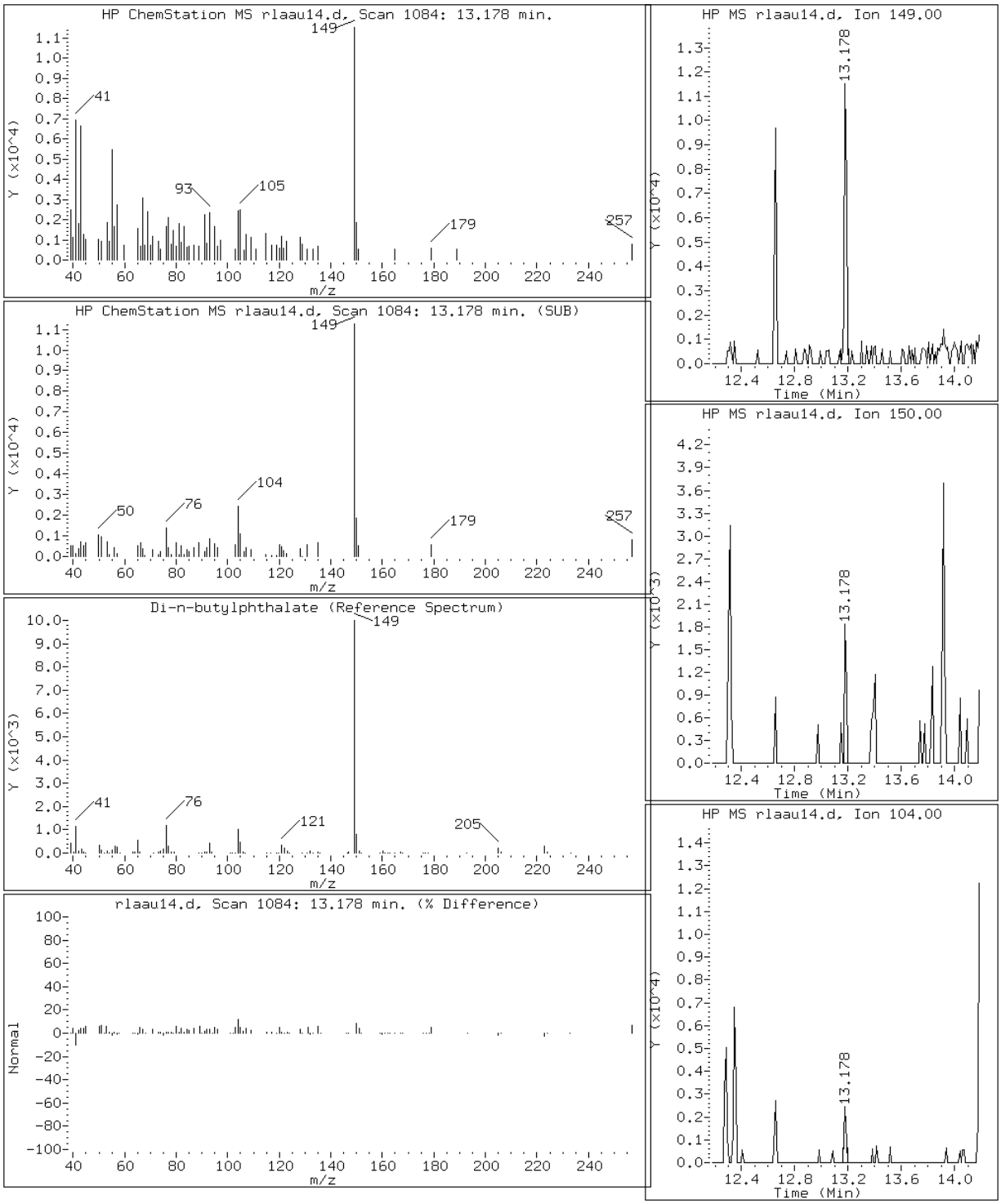
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

79 Di-n-butylphthalate



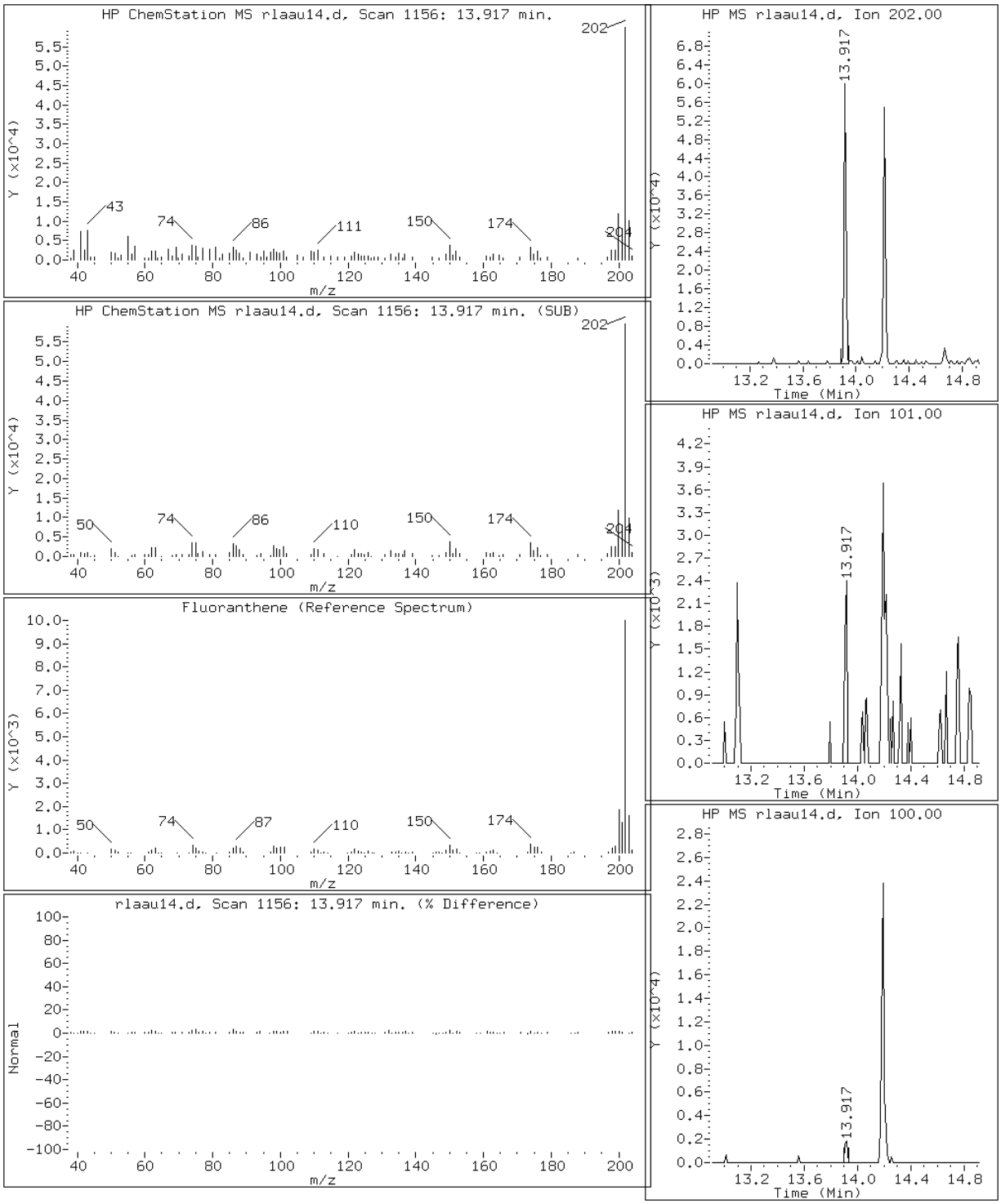
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

80 Fluoranthene



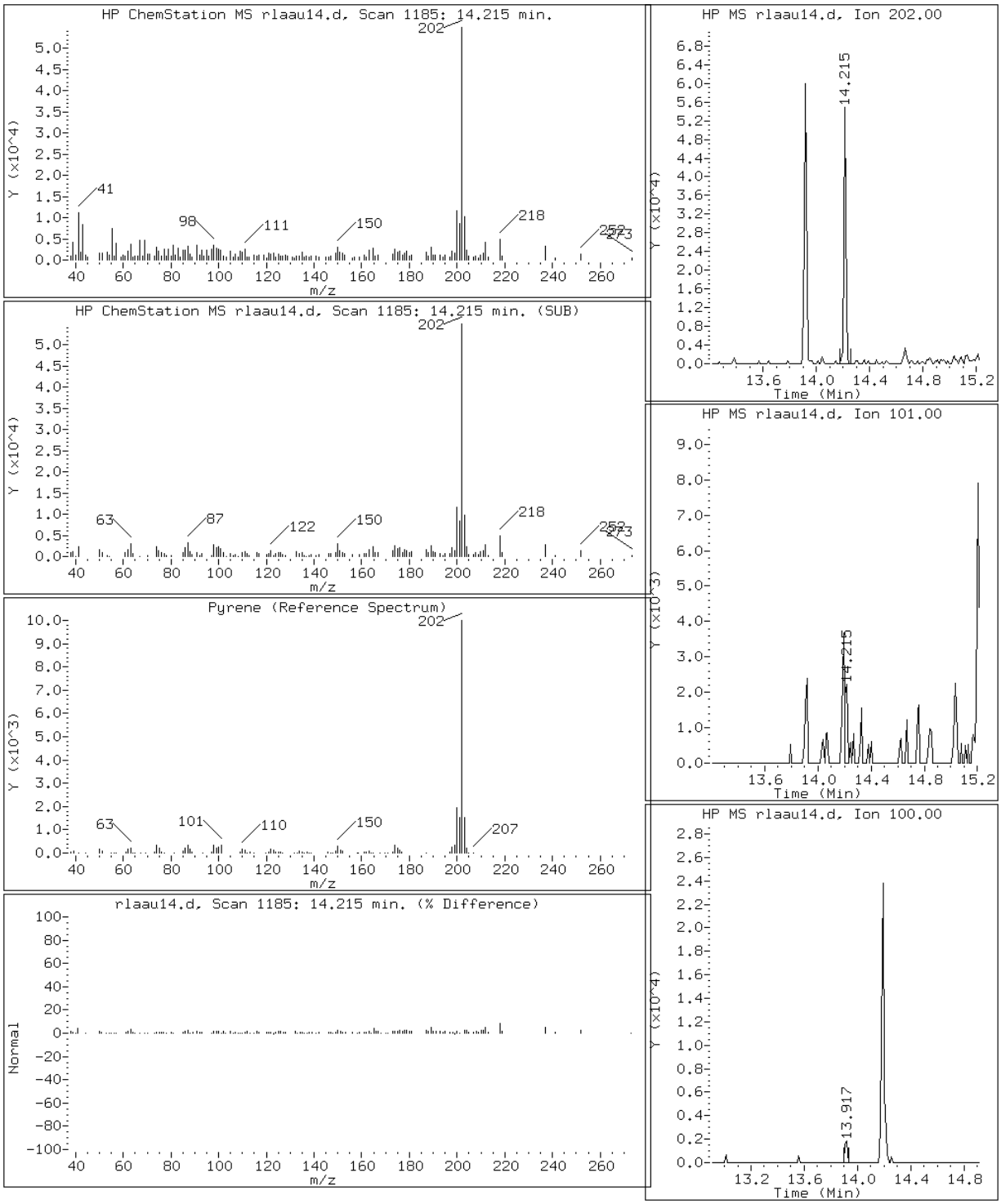
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

83 Pyrene



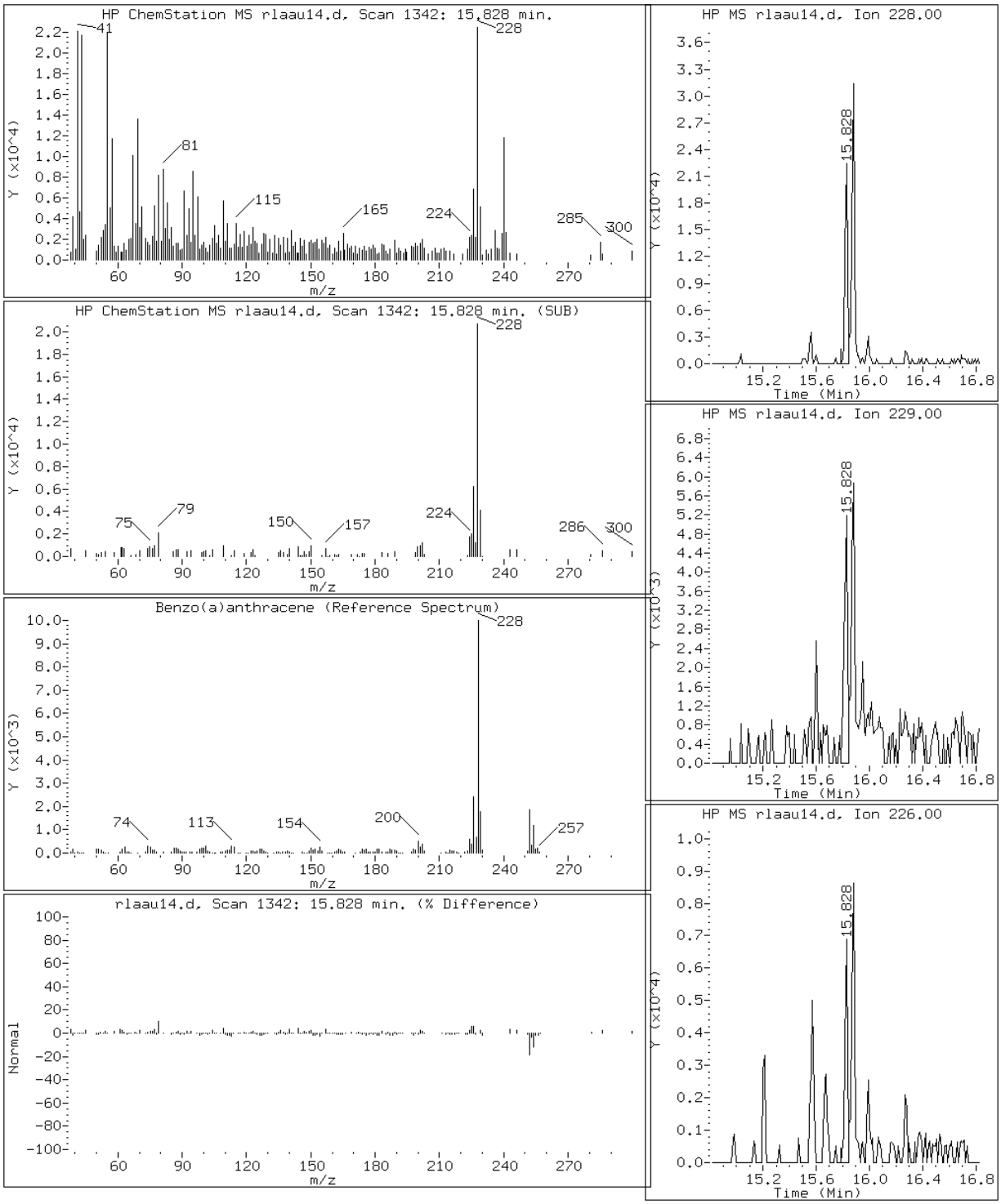
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

86 Benzo(a)anthracene



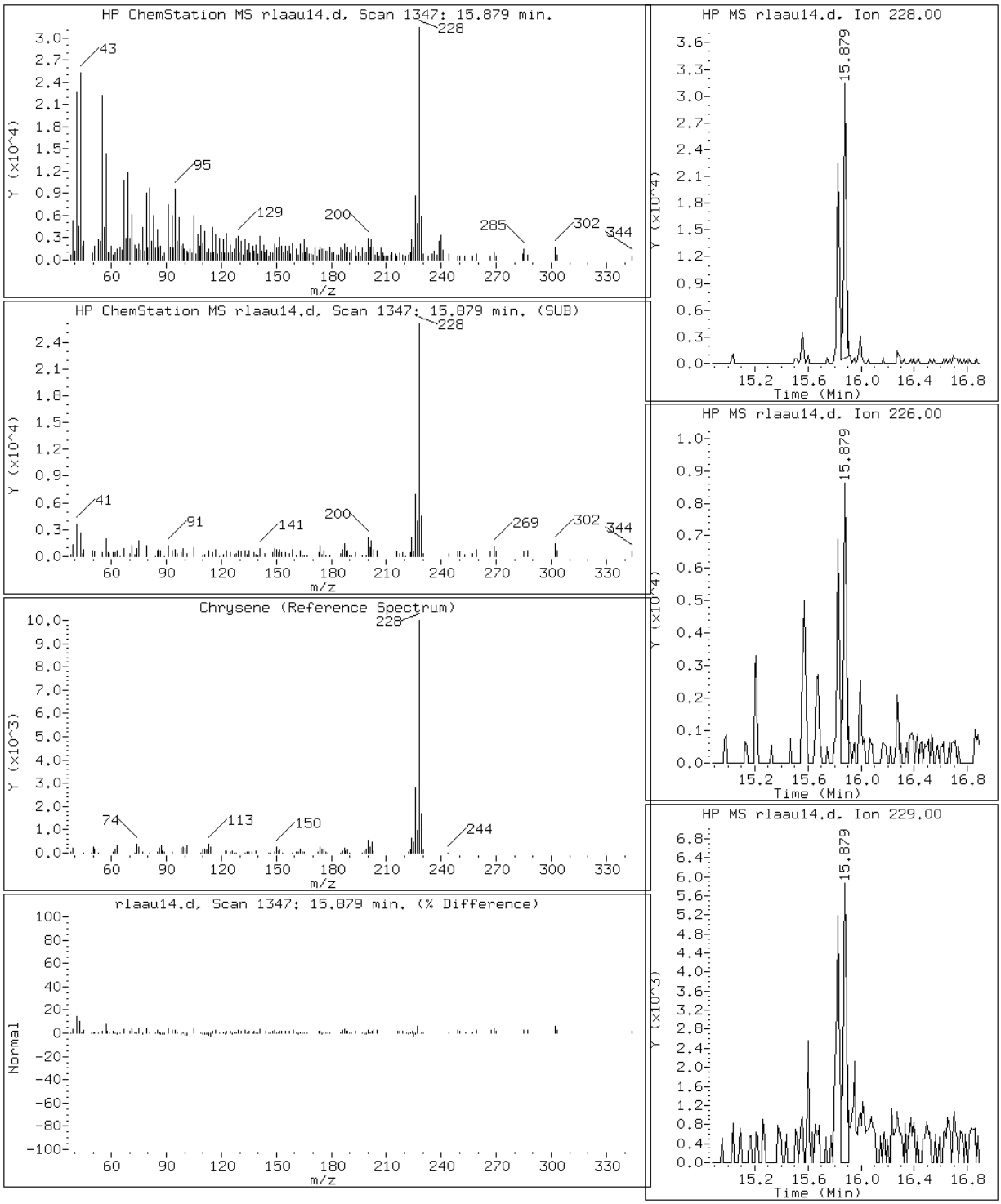
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

88 Chrysene



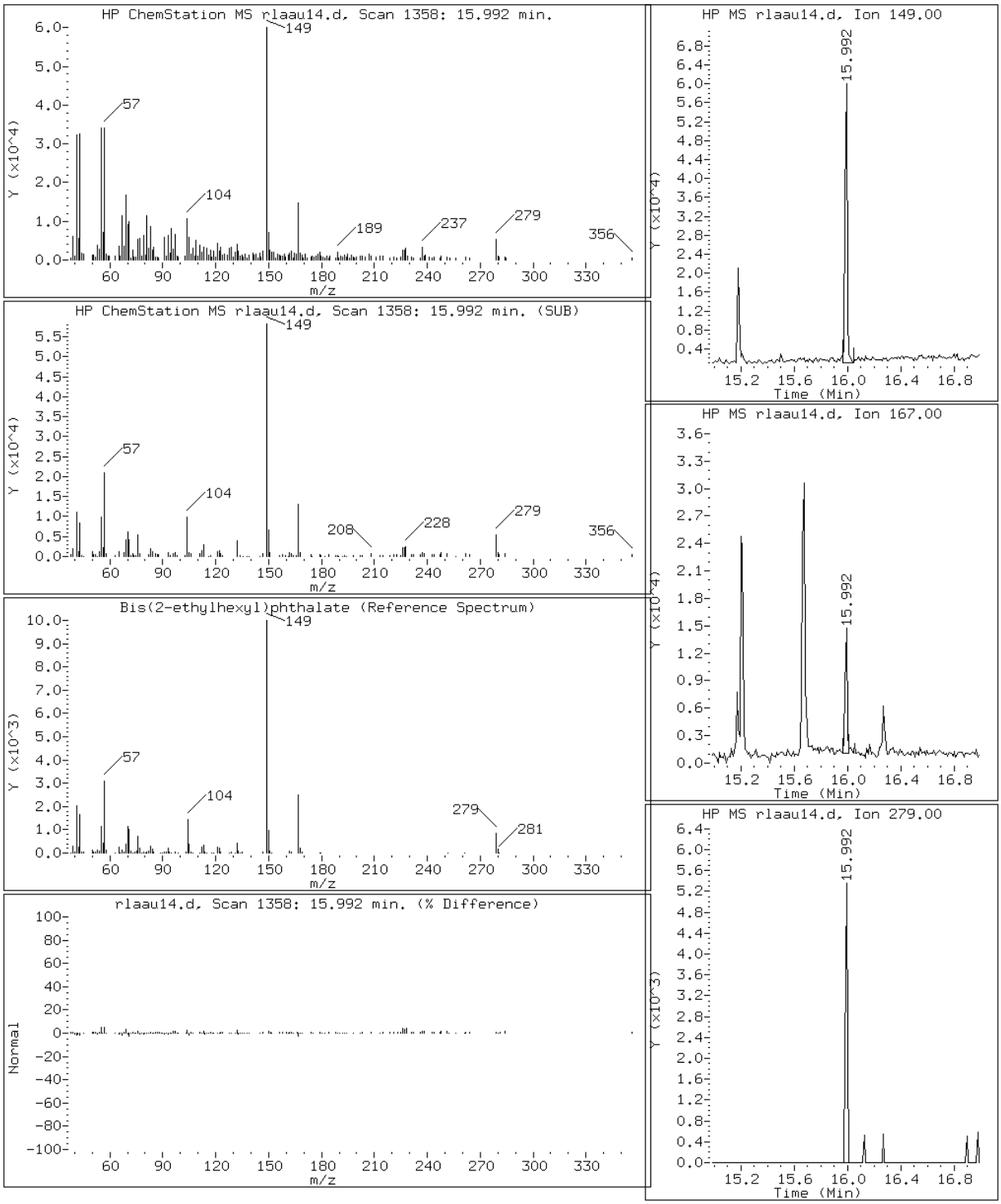
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

89 Bis(2-ethylhexyl)phthalate



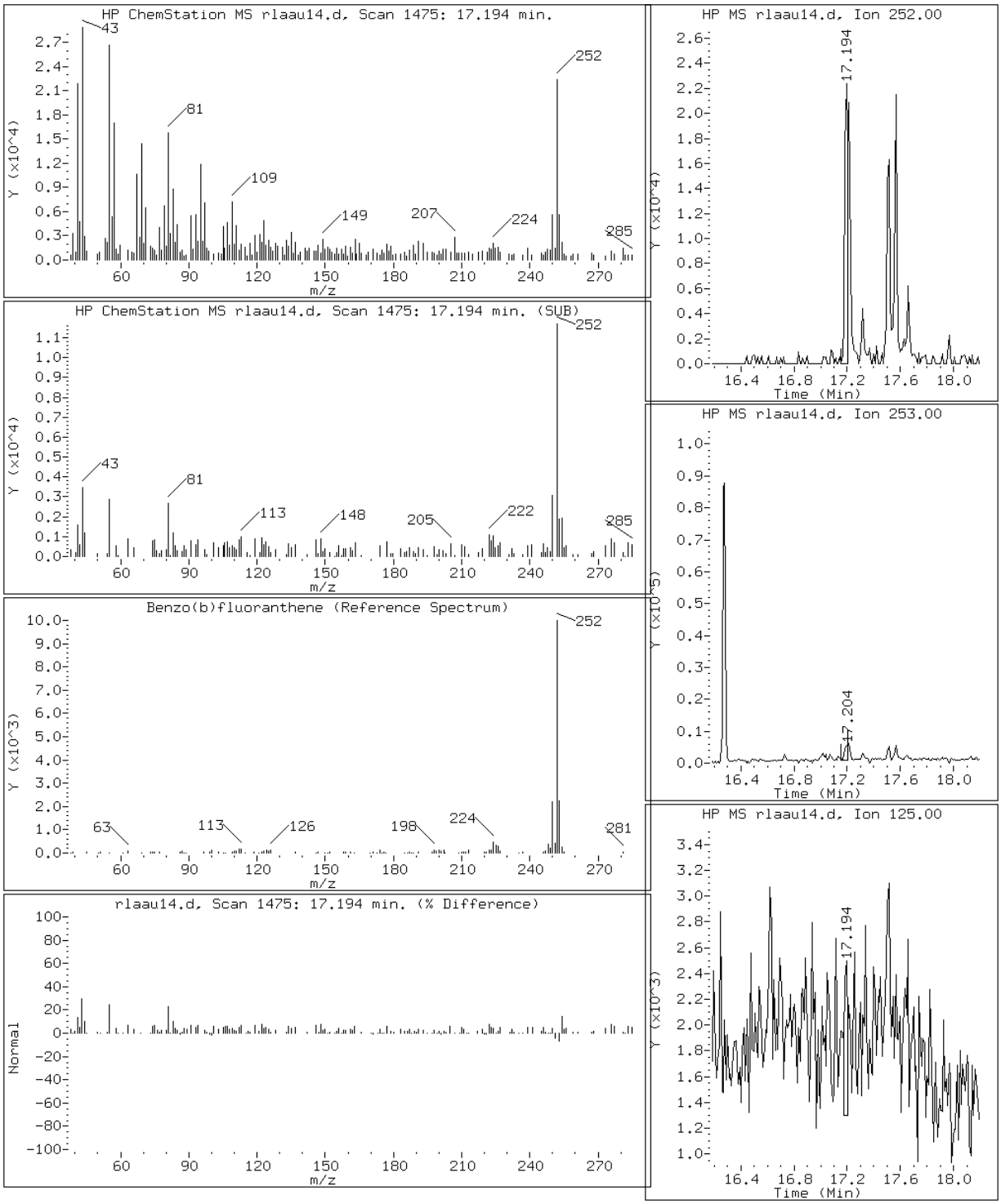
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

91 Benzo(b)fluoranthene



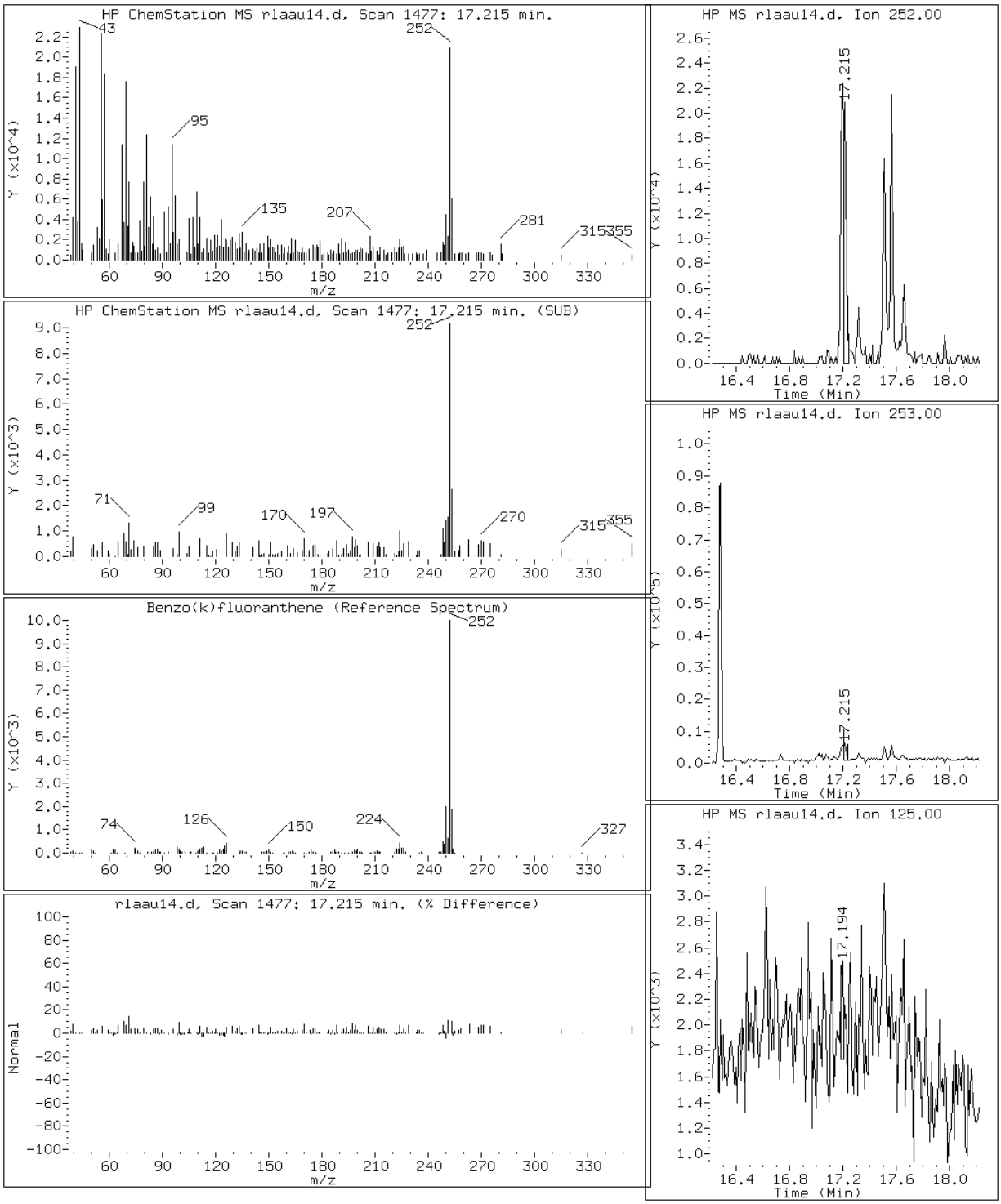
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

92 Benzo(k)fluoranthene



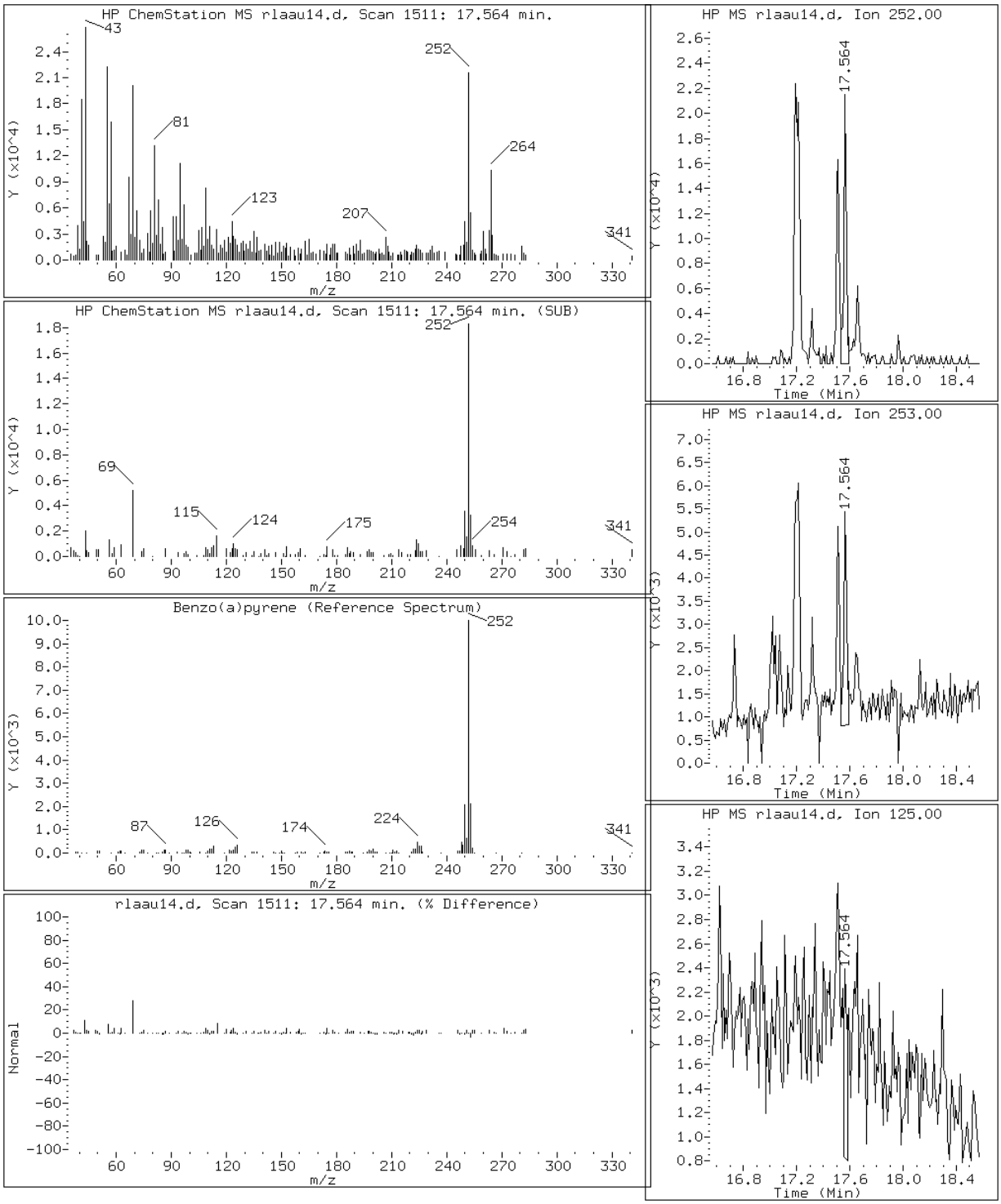
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

94 Benzo(a)pyrene



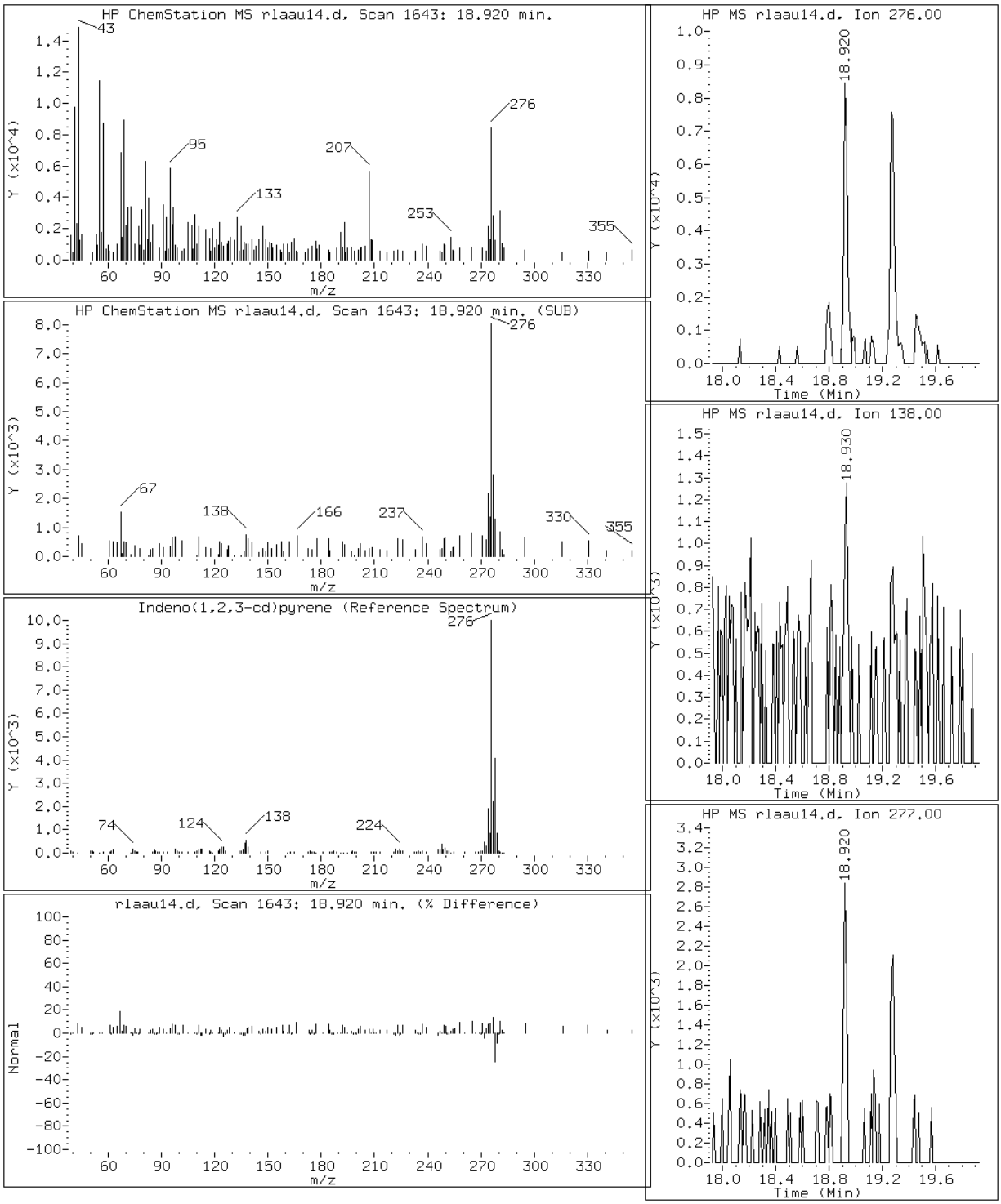
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

96 Indeno(1,2,3-cd)pyrene



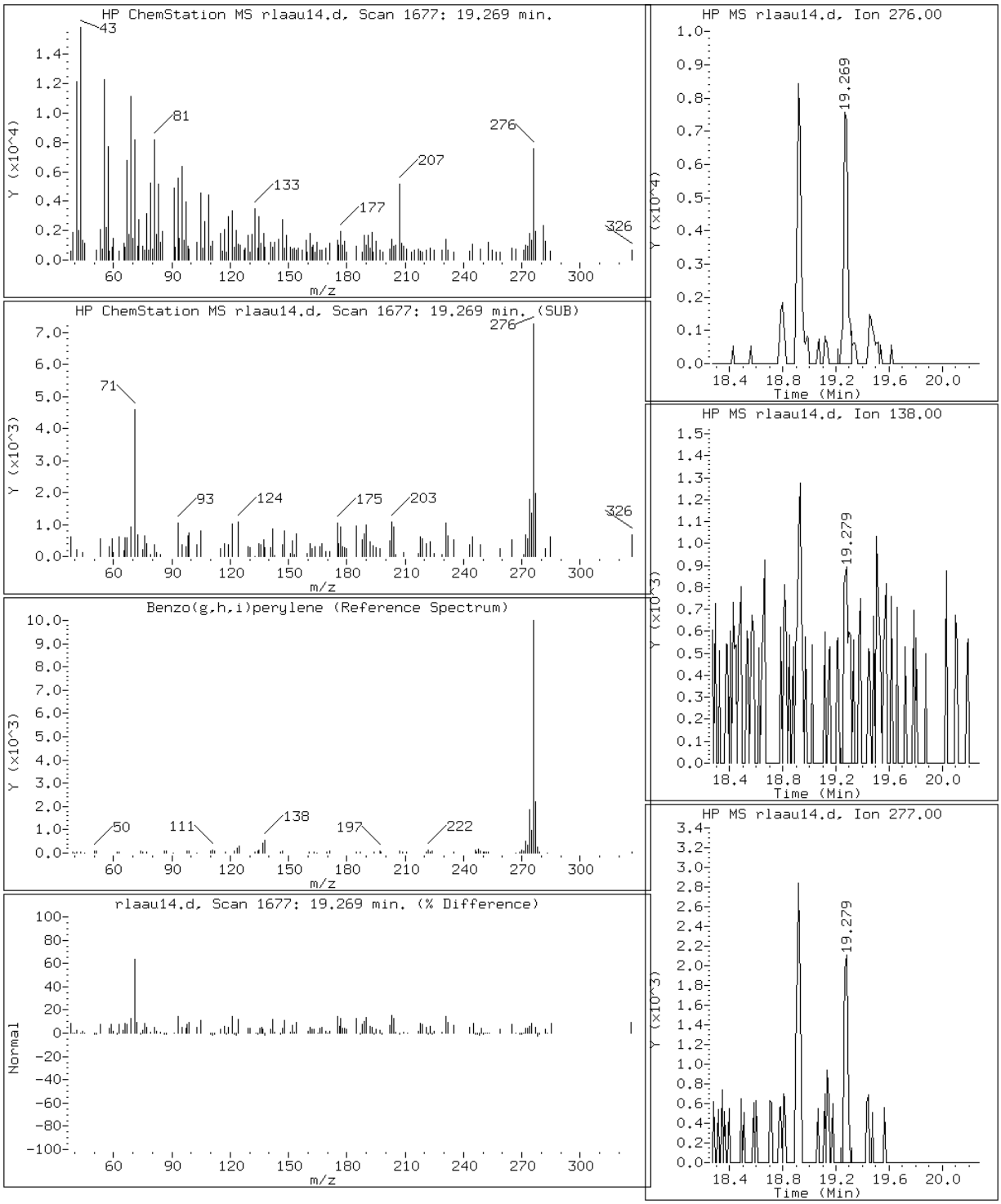
Data File: rlaau14.d

Lab Sample ID: 200-17642-2 Date: 21-AUG-2013 17:06

Client ID: TS003 (072413) Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

98 Benzo(g,h,i)perylene



EPA SAMPLE NO.
TS003 (072413)RE

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2
Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAX08.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	7.5	J
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	81	J
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	210	U

EPA SAMPLE NO.
TS003 (072413)RE

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2
Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAX08.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	N-Nitrosodiphenylamin [1]	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	58	J
120-12-7	Anthracene	11	J
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	19	J B
206-44-0	Fluoranthene	97	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo(a)anthracene	67	J
218-01-9	Chrysene	95	J
117-81-7	Bis(2-ethylhexyl)phthalate	220	B
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	90	J
193-39-5	Indeno(1,2,3-cd)pyrene	57	J
53-70-3	Dibenzo(a,h)anthracene	20	J
191-24-2	Benzo(g,h,i)perylene	62	J
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

[1] Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 30.5 (g/mL) g Lab File ID: RLAAX08.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

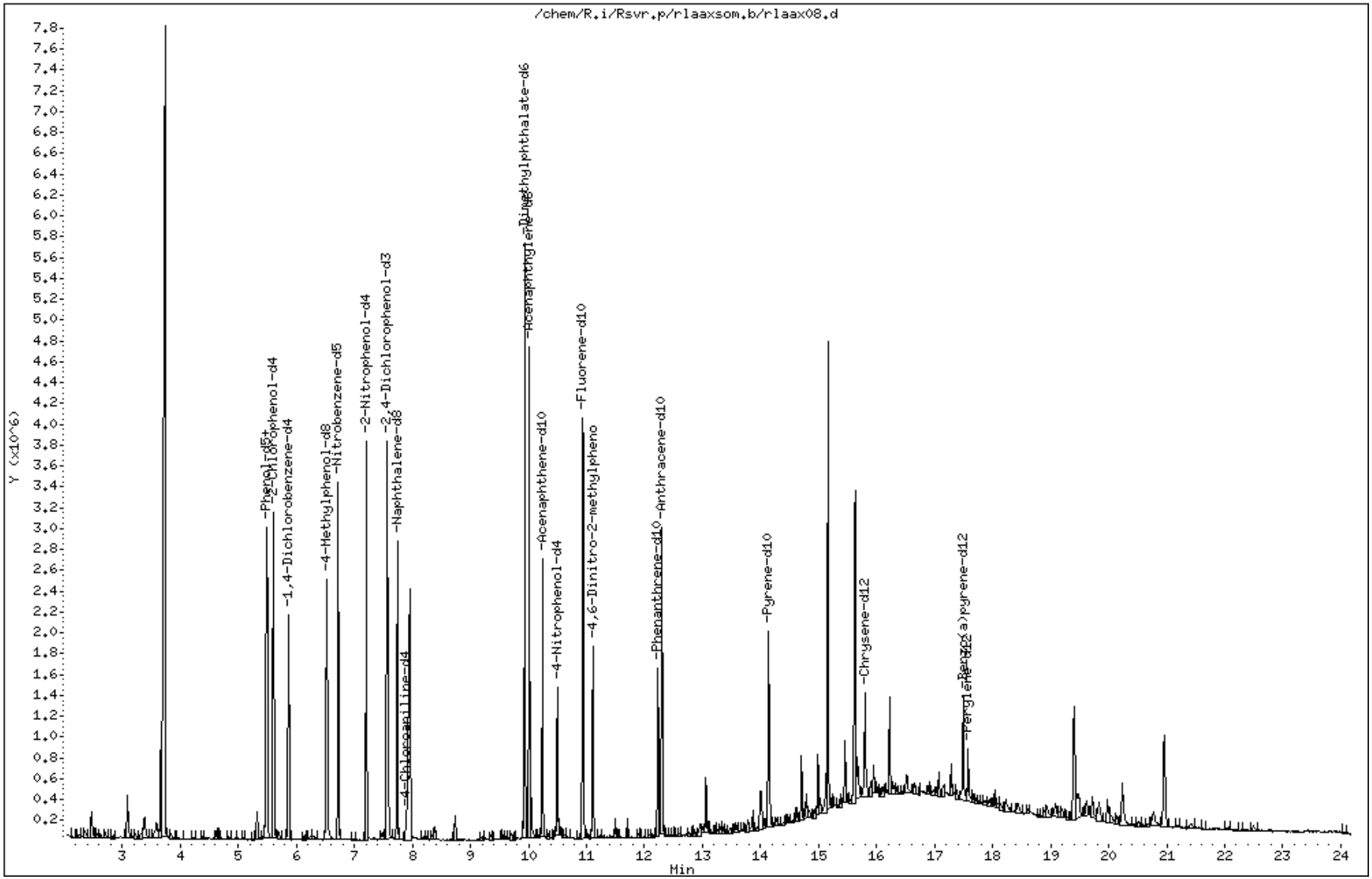
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax08.d
Date : 22-AUG-2013 11:55
Client ID: TS003 (072413)RE
Sample Info: 200-17642-F-2-G
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)RE
Inj Date : 22-AUG-2013 11:55
Operator : djb Inst ID: R.i
Smp Info : 200-17642-F-2-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 26-Aug-2013 11:58 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng/uL)
5	Benzaldehyde	77	Compound Not Detected.					
$ 6	Phenol-d5	71	5.482	5.480	(0.934)	744201	72.7358	36(Q)
7	Phenol	94	Compound Not Detected.					
$ 8	Bis(2-chloroethyl)ether-d8	67	5.502	5.501	(0.937)	497296	57.4780	29(Q)
9	Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 10	2-Chlorophenol-d4	132	5.605	5.603	(0.954)	548926	50.2972	25
11	2-Chlorophenol	128	Compound Not Detected.					
* 12	1,4-Dichlorobenzene-d4	152	5.872	5.871	(1.000)	314871	40.0000	
14	2-Methylphenol	108	Compound Not Detected.					
15	2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 16	4-Methylphenol-d8	113	6.529	6.528	(1.112)	531078	86.1150	43(R)
17	Acetophenone	105	6.499	6.507	(1.107)	6020	0.37344	0.19(aQ)
18	4-Methylphenol	108	Compound Not Detected.					
20	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
21	Hexachloroethane	116	Compound Not Detected.					
$ 22	Nitrobenzene-d5	128	6.725	6.733	(0.869)	326510	64.3957	32(Q)
23	Nitrobenzene	77	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	24 Isophorone	82	Compound Not Detected.					
$	25 2-Nitrophenol-d4	143	7.207	7.216	(0.931)	396440	62.1360	31
	26 2-Nitrophenol	139	Compound Not Detected.					
	27 2,4-Dimethylphenol	107	Compound Not Detected.					
	28 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	29 2,4-Dichlorophenol-d3	165	7.567	7.576	(0.977)	743244	62.5146	31
	30 2,4-Dichlorophenol	162	Compound Not Detected.					
*	31 Naphthalene-d8	136	7.742	7.750	(1.000)	1084624	40.0000	
	32 Naphthalene	128	Compound Not Detected.					
$	33 4-Chloroaniline-d4	131	7.896	7.904	(1.020)	87110	7.09225	3.5(a)
	34 4-Chloroaniline	127	Compound Not Detected.					
	35 Hexachlorobutadiene	224	Compound Not Detected.					
	36 Caprolactam	113	8.337	8.377	(1.077)	7508	4.00864	2.0(aQMH)
	37 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	38 2-Methylnaphthalene	142	Compound Not Detected.					
	39 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	40 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	41 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	42 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	43 1,1'-Biphenyl	154	Compound Not Detected.					
	45 2-Chloronaphthalene	162	Compound Not Detected.					
	46 2-Nitroaniline	65	Compound Not Detected.					
$	47 Dimethylphthalate-d6	166	9.940	9.949	(0.970)	2020352	71.5542	36
	48 Dimethylphthalate	163	Compound Not Detected.					
	51 2,6-Dinitrotoluene	165	Compound Not Detected.					
$	49 Acenaphthylene-d8	160	10.012	10.021	(0.977)	2068997	65.6644	33
	50 Acenaphthylene	152	Compound Not Detected.					
	52 3-Nitroaniline	138	Compound Not Detected.					
*	53 Acenaphthene-d10	164	10.248	10.257	(1.000)	630309	40.0000	
	54 Acenaphthene	153	Compound Not Detected.					
	55 2,4-Dinitrophenol	184	Compound Not Detected.					
$	56 4-Nitrophenol-d4	143	10.495	10.503	(1.024)	123459	43.7096	22
	57 4-Nitrophenol	109	Compound Not Detected.					
	58 Dibenzofuran	168	Compound Not Detected.					
	60 2,4-Dinitrotoluene	165	Compound Not Detected.					
	61 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	62 Diethylphthalate	149	Compound Not Detected.					
$	63 Fluorene-d10	176	10.947	10.945	(1.068)	1206899	63.8324	32
	64 Fluorene	166	Compound Not Detected.					
	65 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	66 4-Nitroaniline	138	Compound Not Detected.					
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.111	11.120	(0.908)	168722	61.4513	31(Q)
	68 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	69 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	70 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	71 Hexachlorobenzene	283	Compound Not Detected.					
	72 Atrazine	200	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng/uL)
	73 Pentachlorophenol	265	Compound Not Detected.					
*	74 Phenanthrene-d10	188	12.231	12.239	(1.000)	602972	40.0000	
	75 Phenanthrene	178	12.261	12.270	(1.003)	42773	2.88892	1.4(a)
$	76 Anthracene-d10	188	12.303	12.311	(1.006)	1109725	66.3272	33
	77 Anthracene	178	12.323	12.332	(1.008)	8325	0.57203	0.29(a)
	78 Carbazole	167	Compound Not Detected.					
	79 Di-n-butylphthalate	149	13.135	13.143	(1.074)	19693	0.93250	0.47(a)
	80 Fluoranthene	202	13.864	13.873	(1.134)	74935	4.81935	2.4(a)
$	82 Pyrene-d10	212	14.141	14.150	(0.895)	773256	64.3956	32
	83 Pyrene	202	14.162	14.171	(0.896)	72713	6.48672	3.2(aM)
	84 Butylbenzylphthalate	149	Compound Not Detected.					
	85 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	86 Benzo(a)anthracene	228	15.775	15.784	(0.998)	38102	3.32876	1.7(a)
*	87 Chrysene-d12	240	15.806	15.804	(1.000)	477729	40.0000	
	88 Chrysene	228	15.826	15.835	(1.001)	48834	4.70217	2.4(a)
	89 Bis(2-ethylhexyl)phthalate	149	15.949	15.948	(1.009)	89080	11.0733	5.5
	90 Di-n-octylphthalate	149	Compound Not Detected.					
	91 Benzo(b)fluoranthene	252	17.141	17.150	(0.975)	36619	5.78406	2.9(aH)
	92 Benzo(k)fluoranthene	252	17.161	17.170	(0.976)	38706	6.03372	3.0(aM)
$	93 Benzo(a)pyrene-d12	264	17.490	17.499	(0.995)	396692	70.6747	35
	94 Benzo(a)pyrene	252	17.511	17.520	(0.996)	24510	4.47034	2.2(a)
*	95 Perylene-d12	264	17.583	17.581	(1.000)	226389	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.846	18.865	(1.072)	17813	2.82059	1.4(a)
	97 Dibenzo(a,h)anthracene	278	18.856	18.876	(1.072)	5344	0.99737	0.50(aQ)
	98 Benzo(g,h,i)perylene	276	19.195	19.215	(1.092)	16269	3.07027	1.5(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)RE
Inj Date : 22-AUG-2013 11:55
Operator : djb Inst ID: R.i
Smp Info : 200-17642-F-2-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 26-Aug-2013 11:58 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

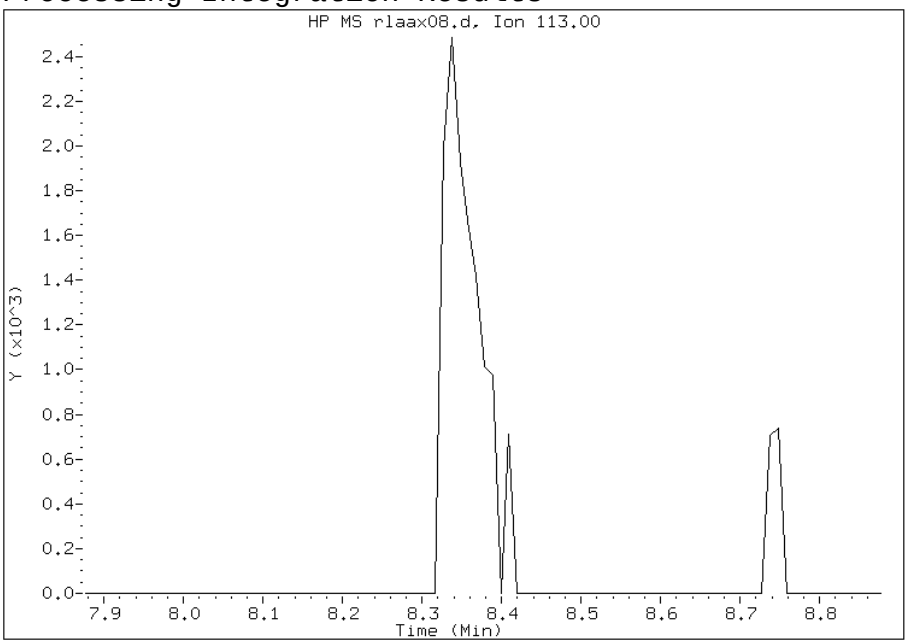
Manual Integration Report

Data File: rlaax08.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 22-AUG-2013 11:55
Instrument ID: R.i
Client ID: TS003 (072413)RE
Compound: 36 Caprolactam
CAS #: 105-60-2
Report Date: 08/26/2013

Processing Integration Results

Not Detected

Expected RT: 8.38



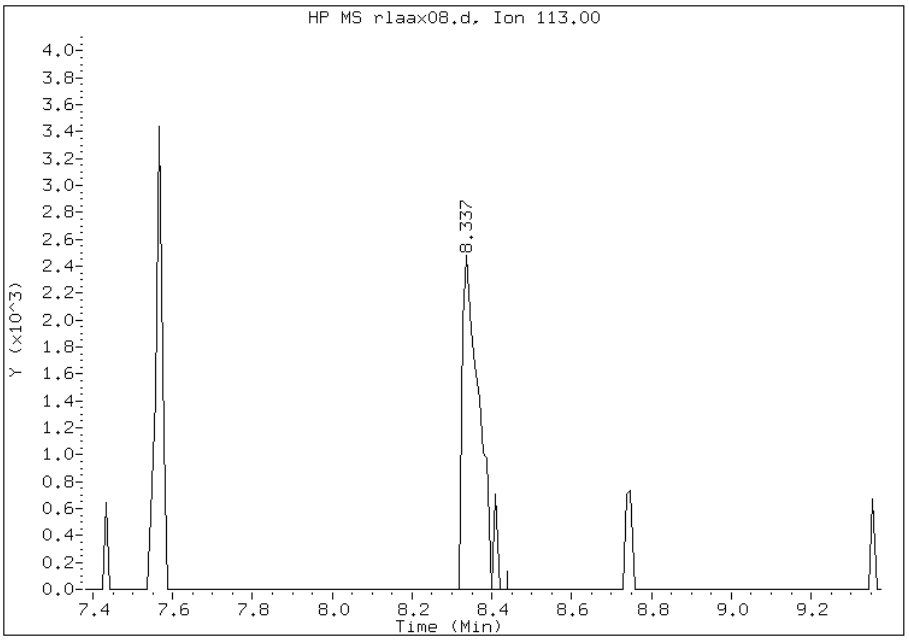
Manual Integration Results

RT: 8.34

Response: 7508

Amount: 4.01

Conc: 2.00



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaax08.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 22-AUG-2013 11:55
Instrument ID: R.i
Client ID: TS003 (072413)RE
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/26/2013

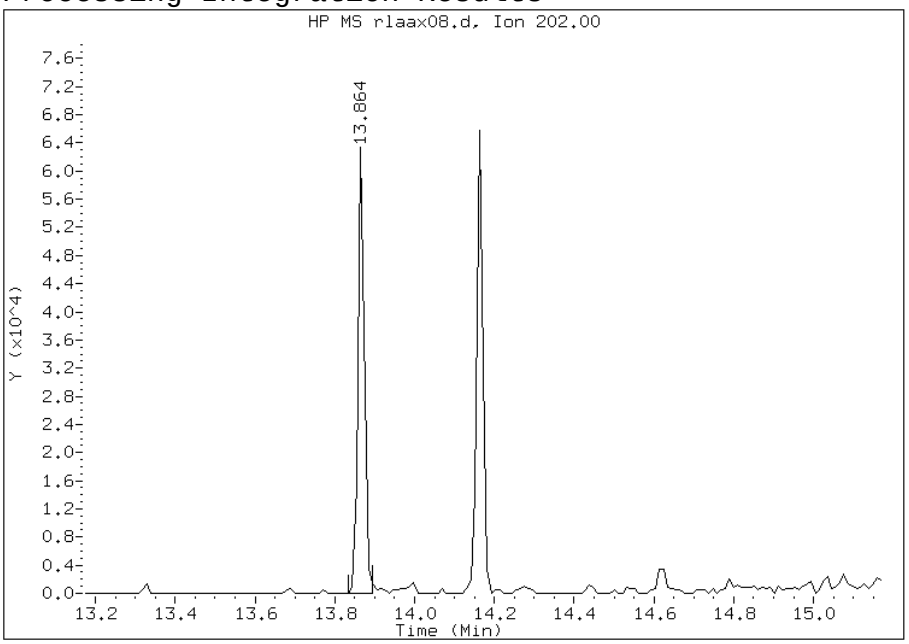
Processing Integration Results

RT: 13.86

Response: 74935

Amount: 6.68

Conc: 3.34



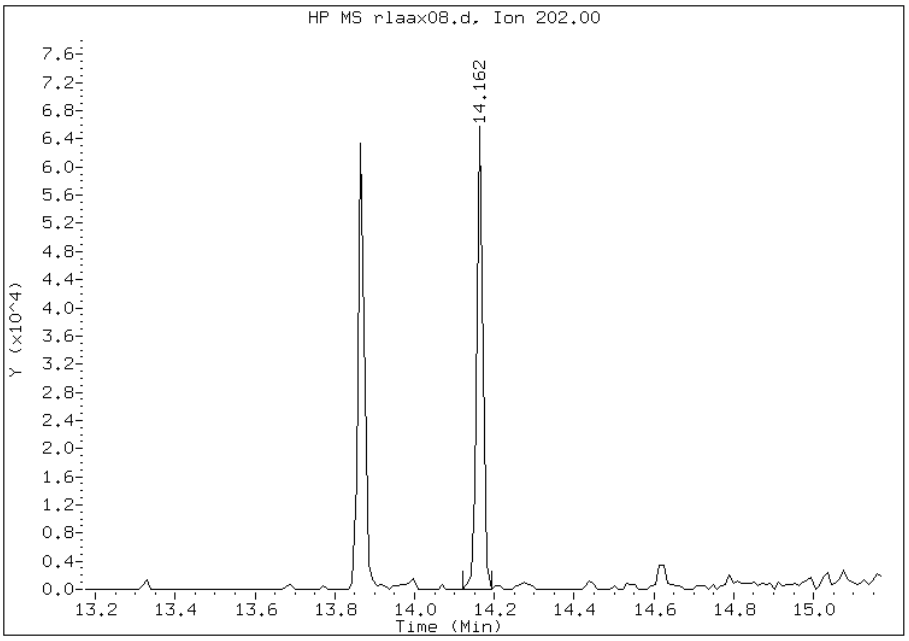
Manual Integration Results

RT: 14.16

Response: 72713

Amount: 6.49

Conc: 3.24



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaax08.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 22-AUG-2013 11:55
Instrument ID: R.i
Client ID: TS003 (072413)RE
Compound: 92 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/26/2013

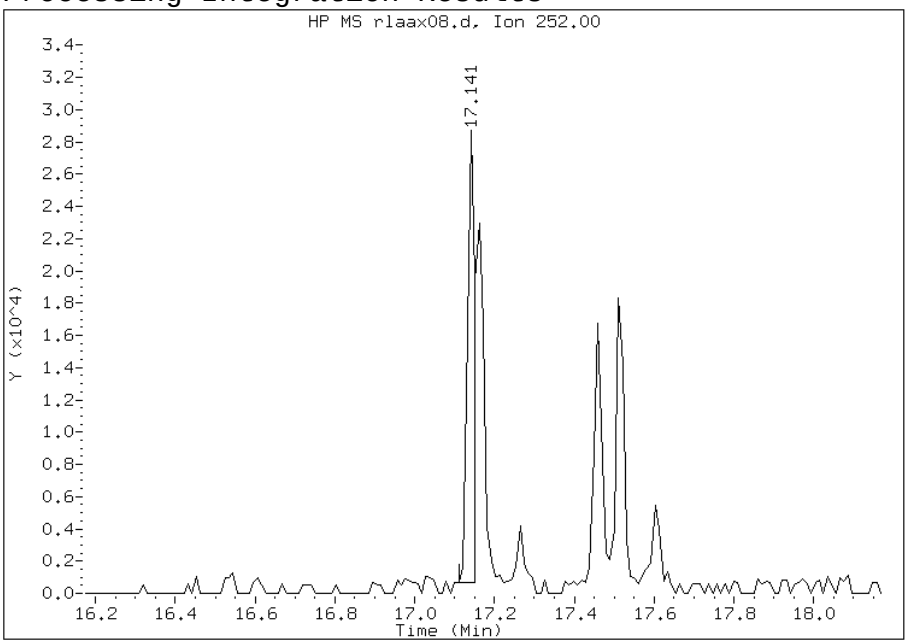
Processing Integration Results

RT: 17.14

Response: 36619

Amount: 5.71

Conc: 2.85



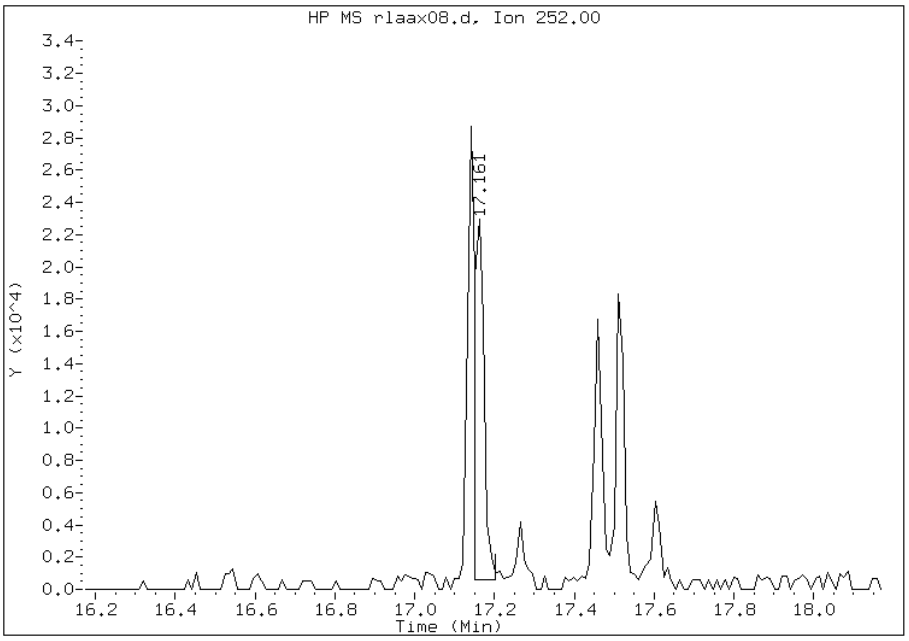
Manual Integration Results

RT: 17.16

Response: 38706

Amount: 6.03

Conc: 3.02



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

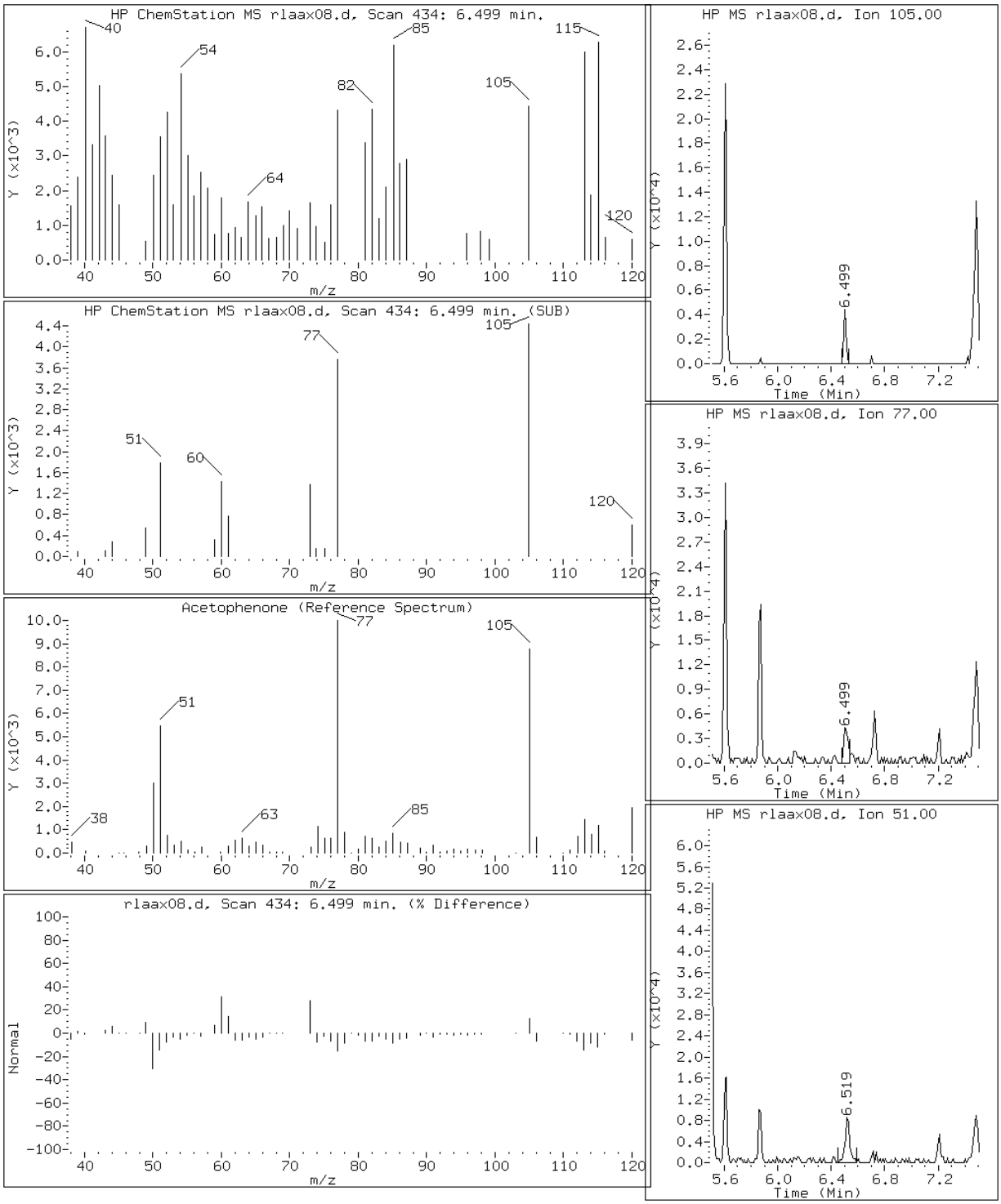
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

17 Acetophenone



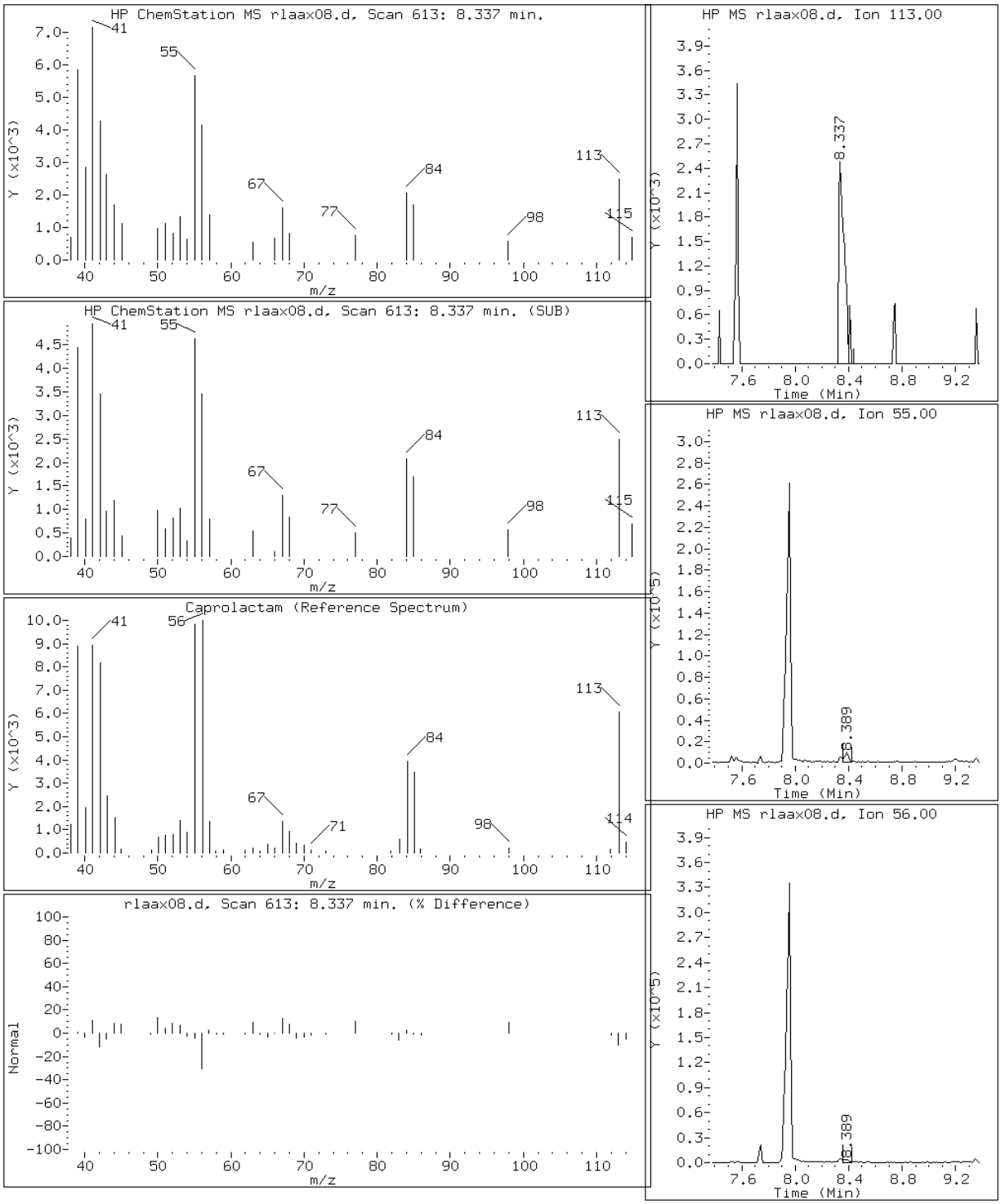
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

36 Caprolactam



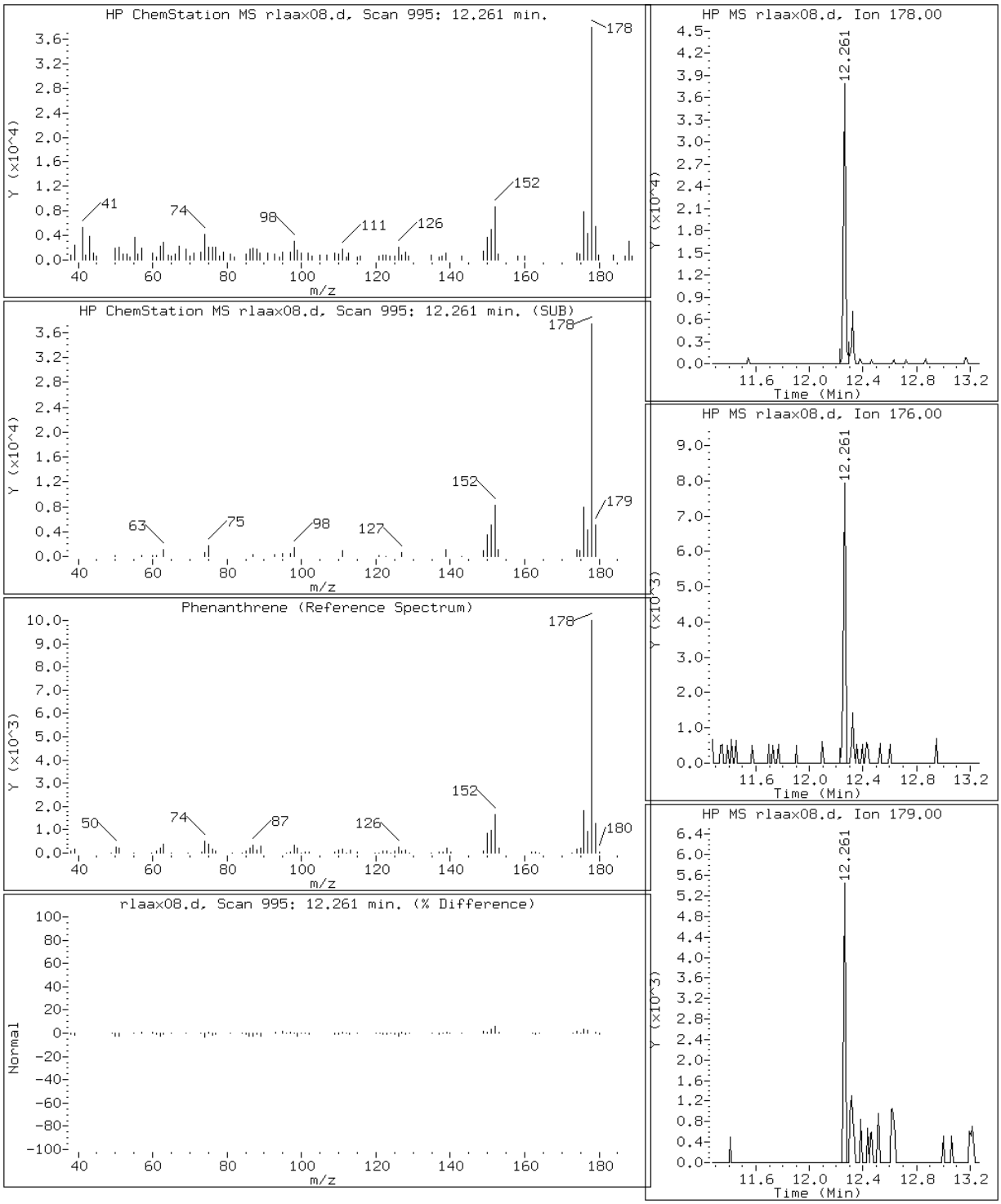
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

75 Phenanthrene



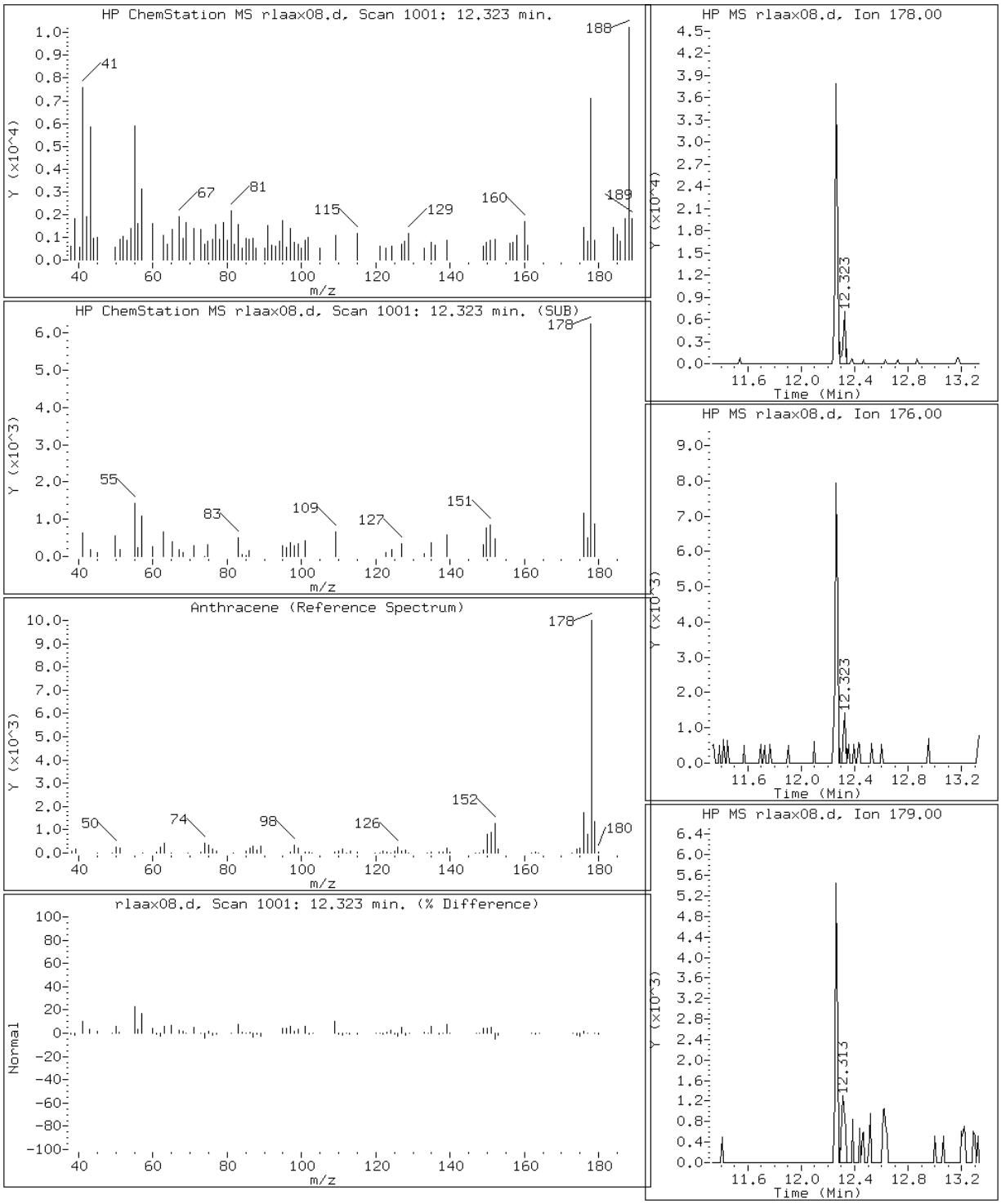
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

77 Anthracene



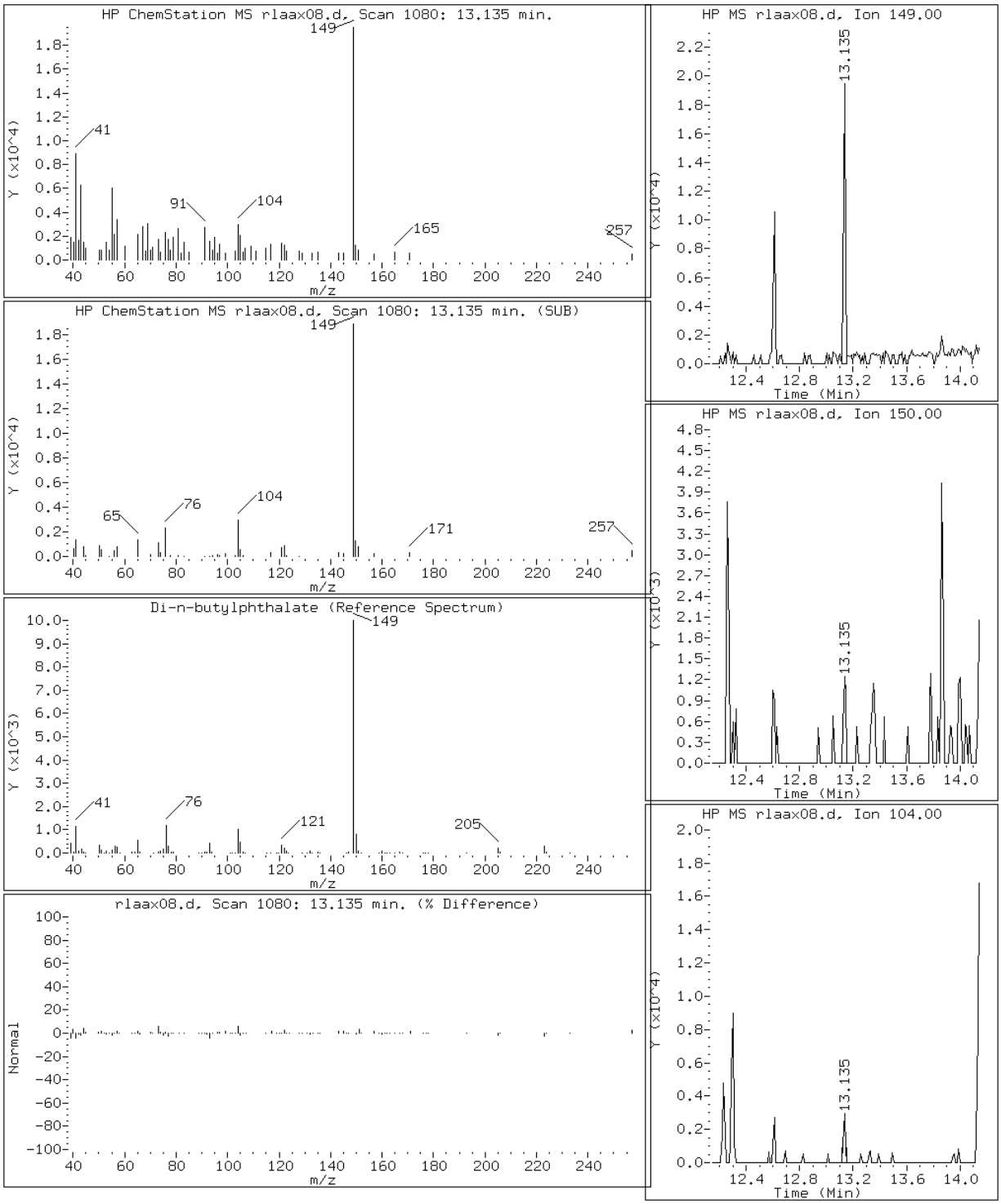
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

79 Di-n-butylphthalate



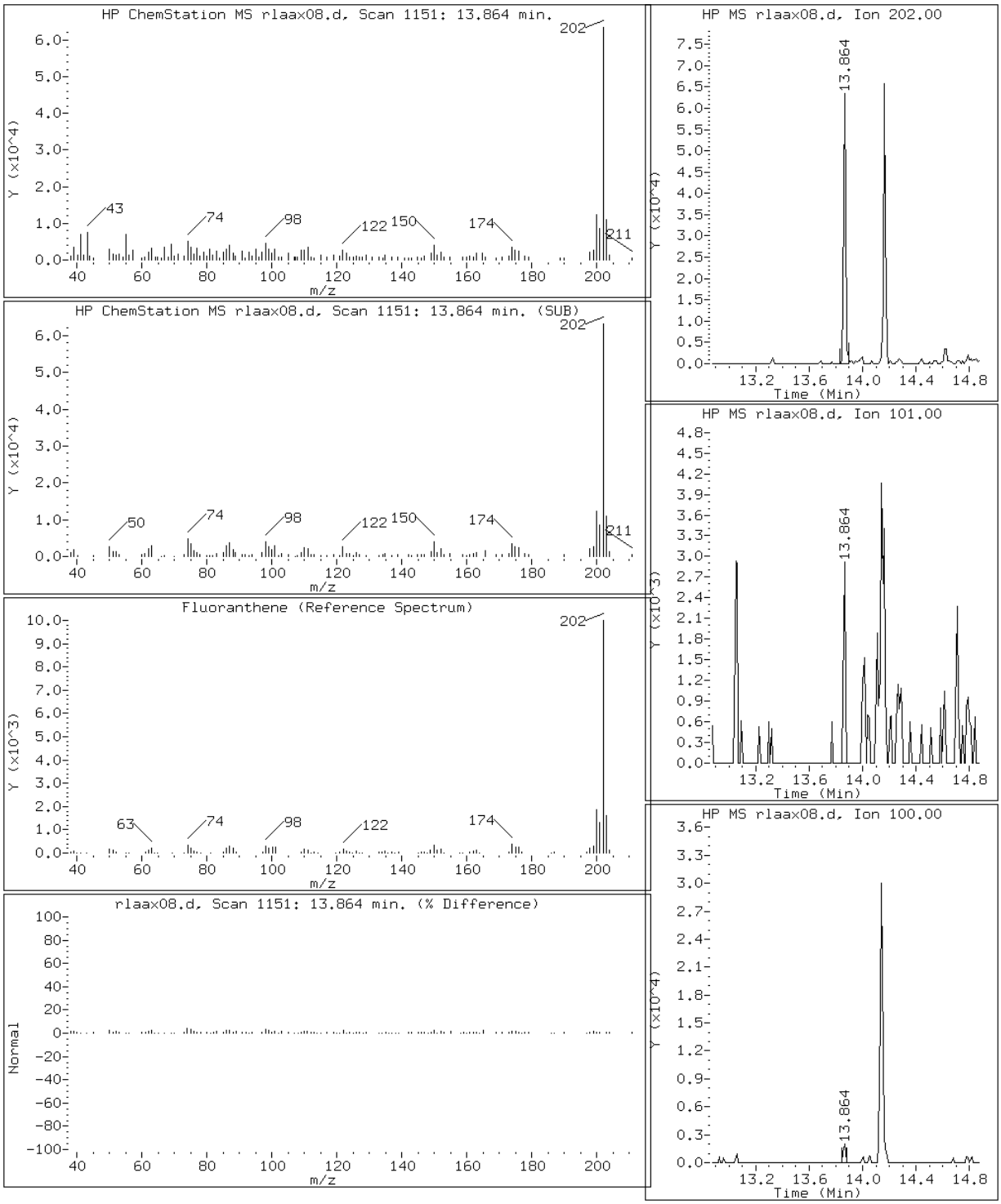
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

80 Fluoranthene



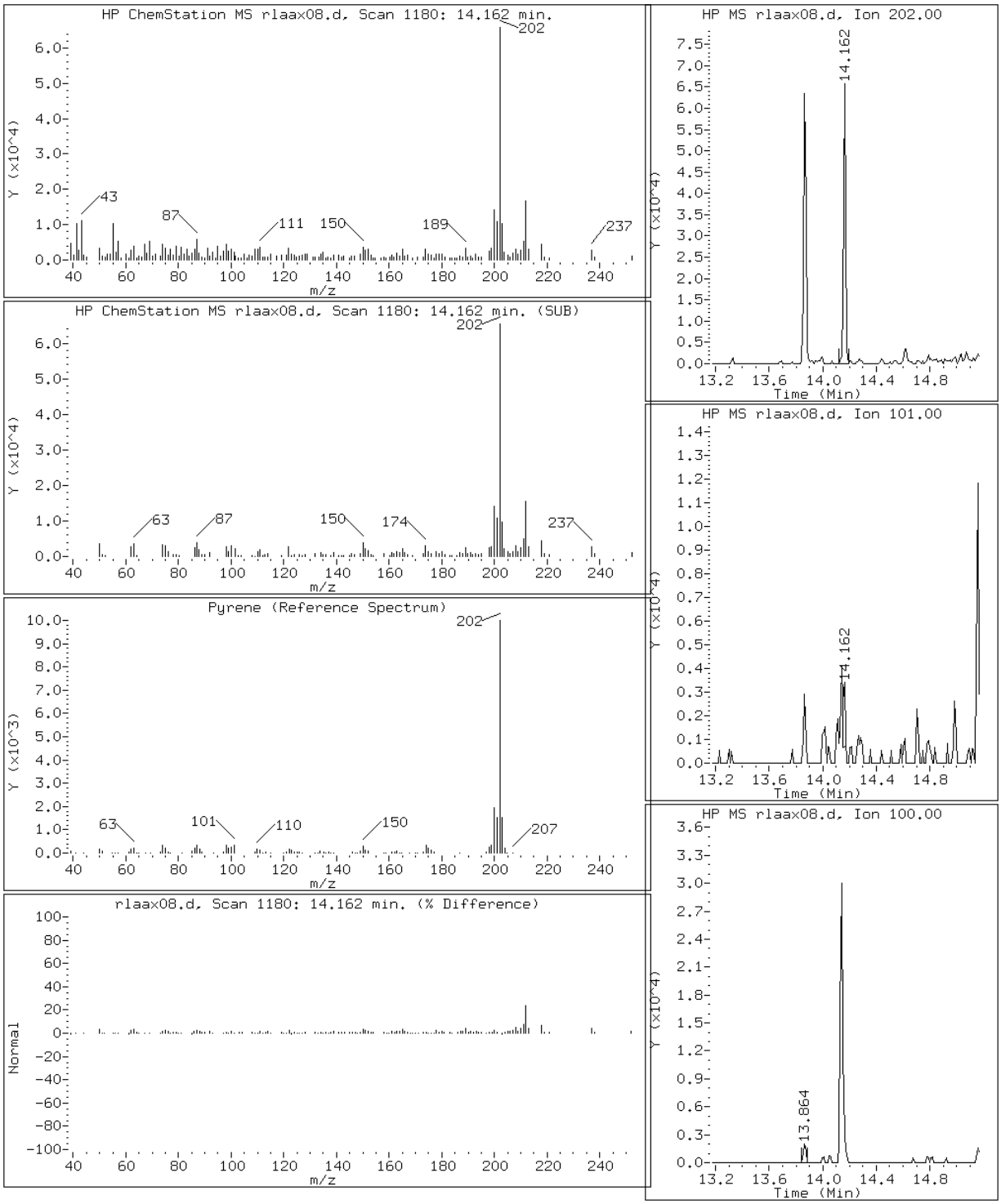
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

83 Pyrene



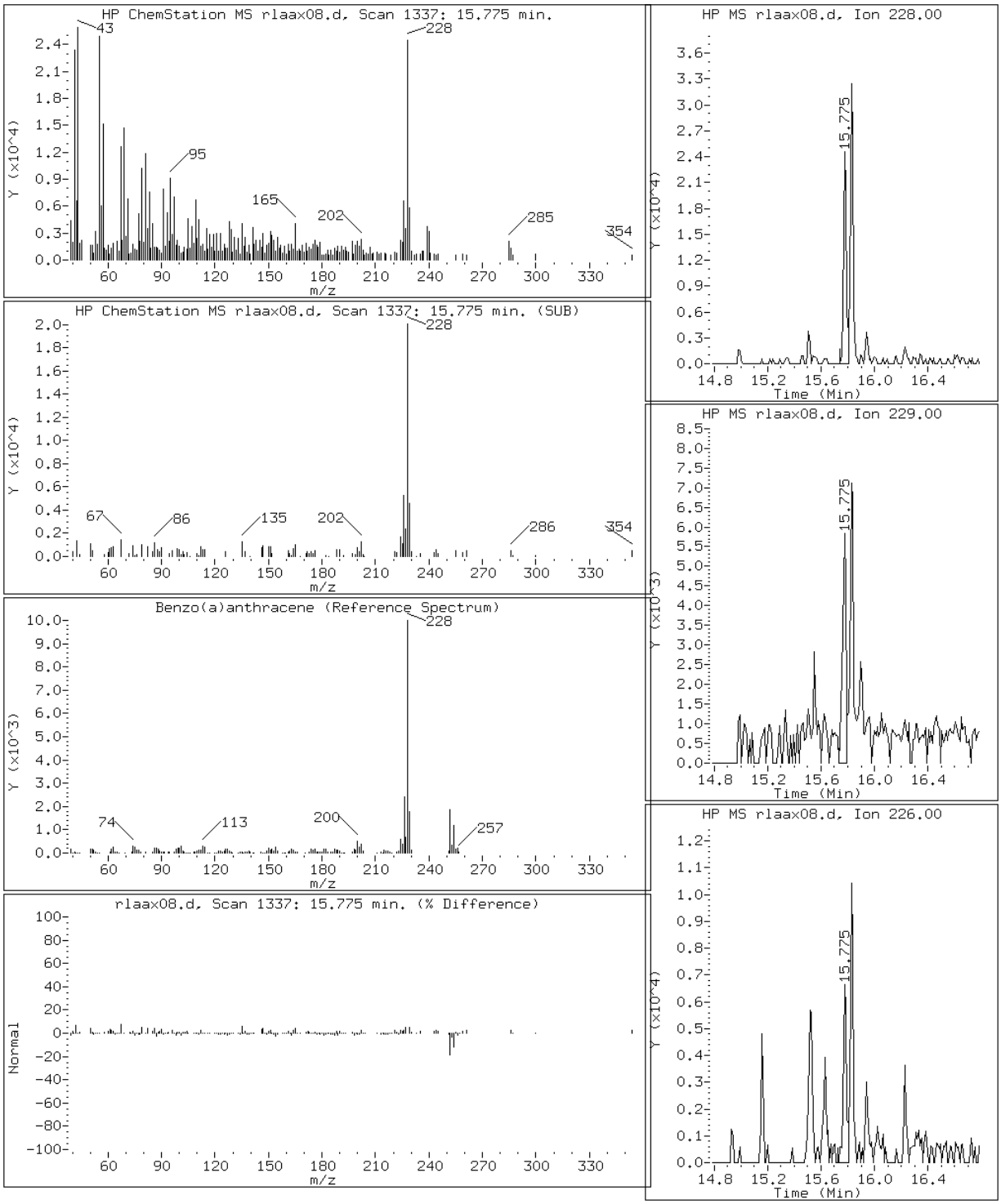
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

86 Benzo(a)anthracene



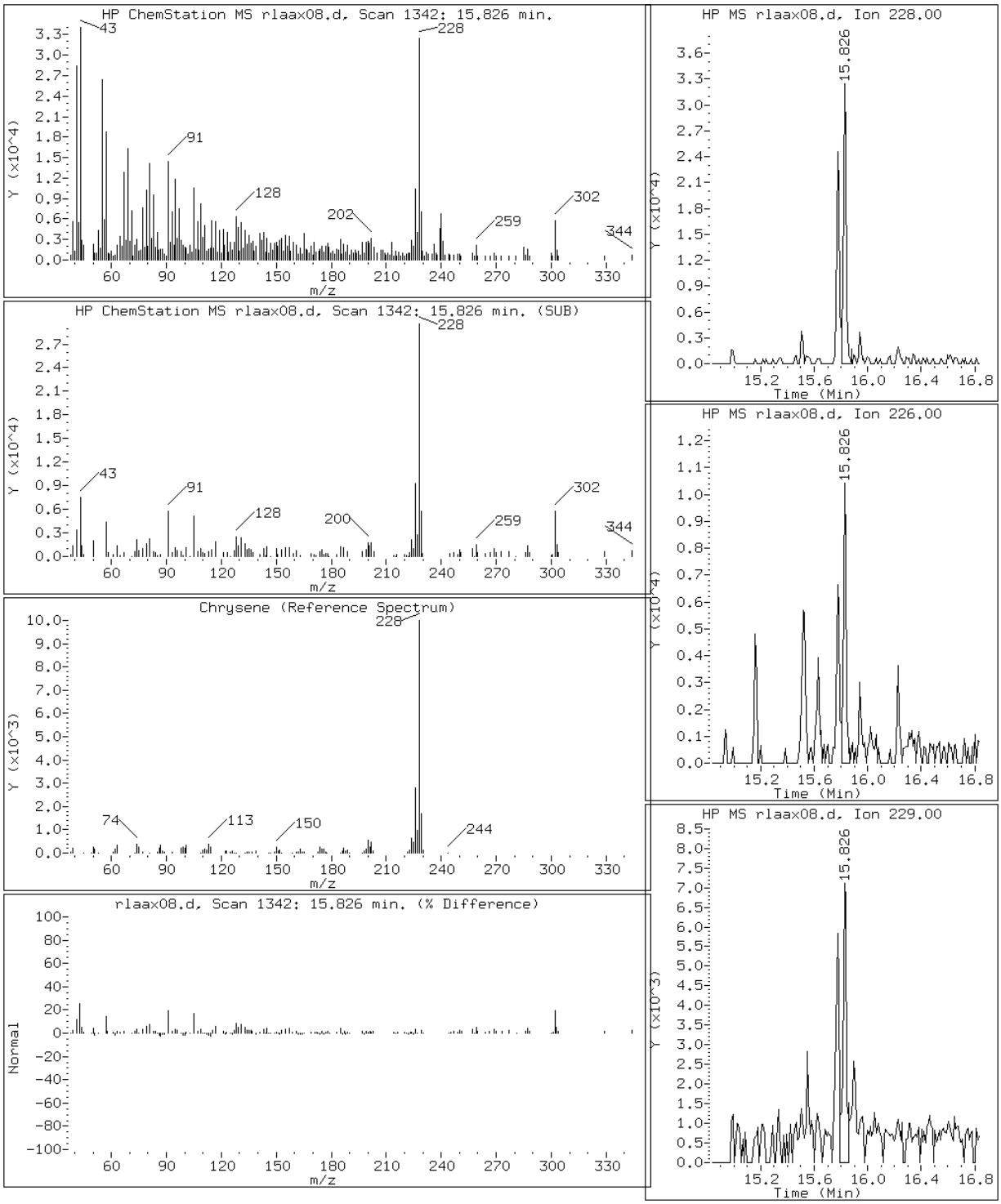
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

88 Chrysene



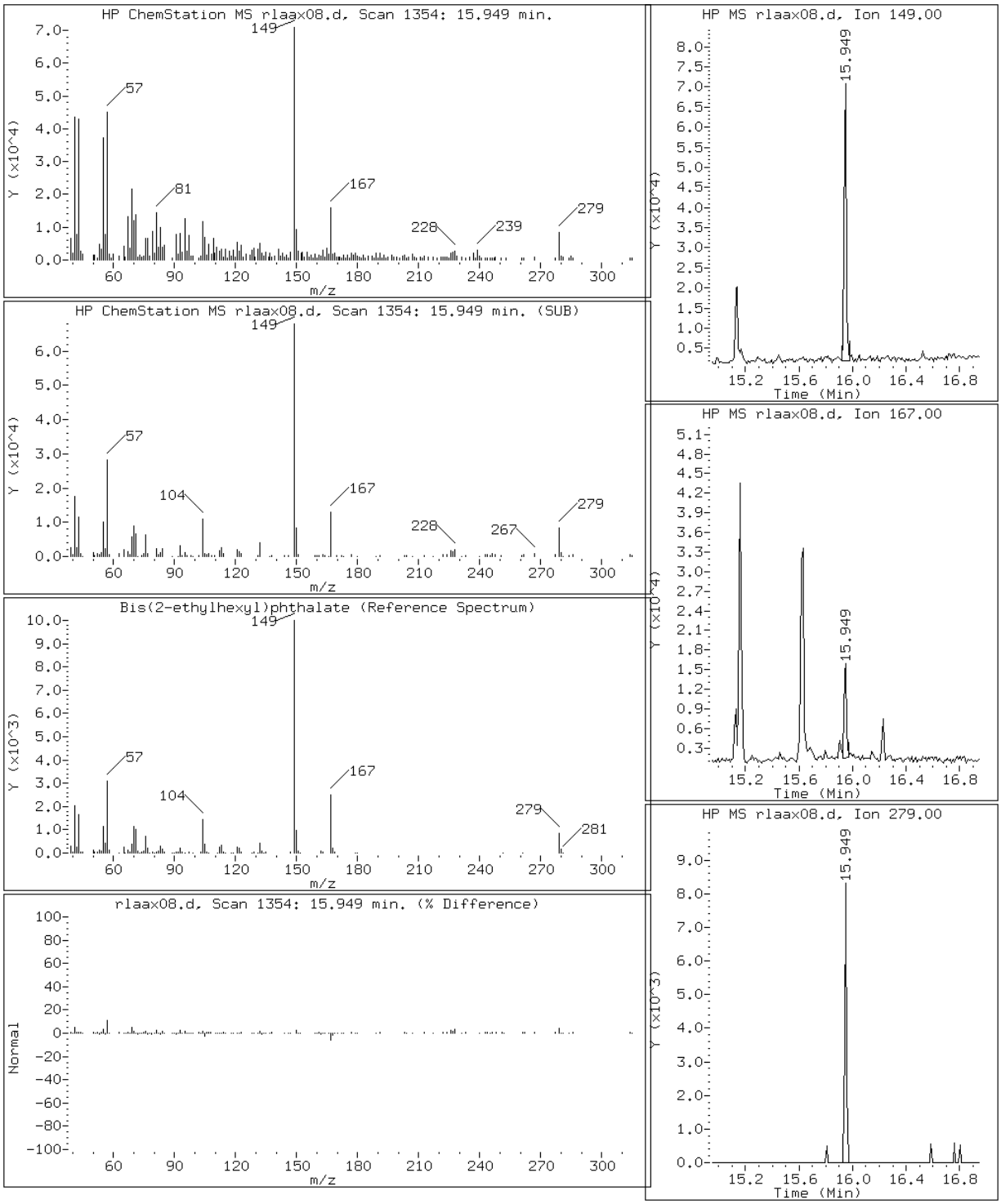
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

89 Bis(2-ethylhexyl)phthalate



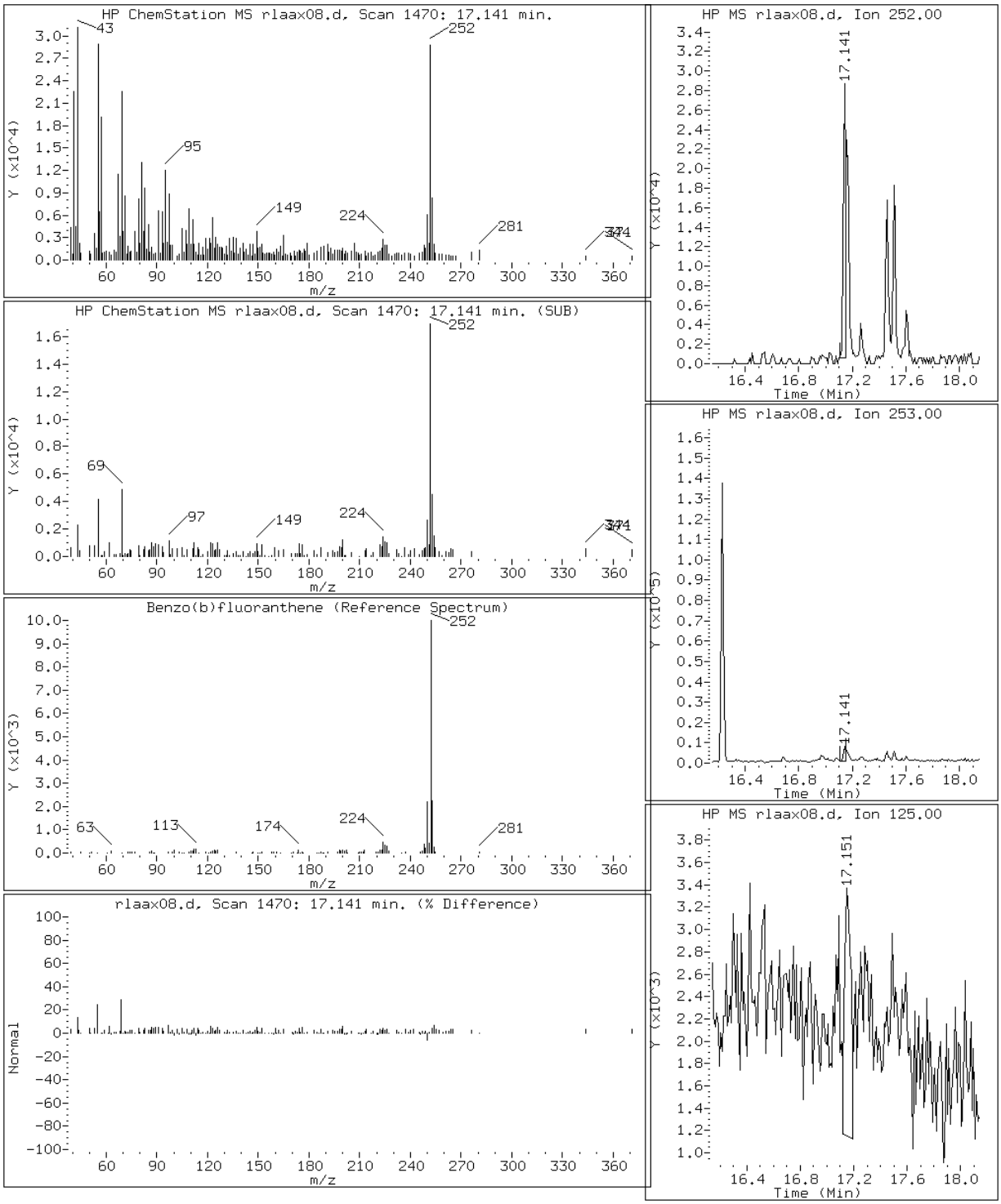
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

91 Benzo(b)fluoranthene



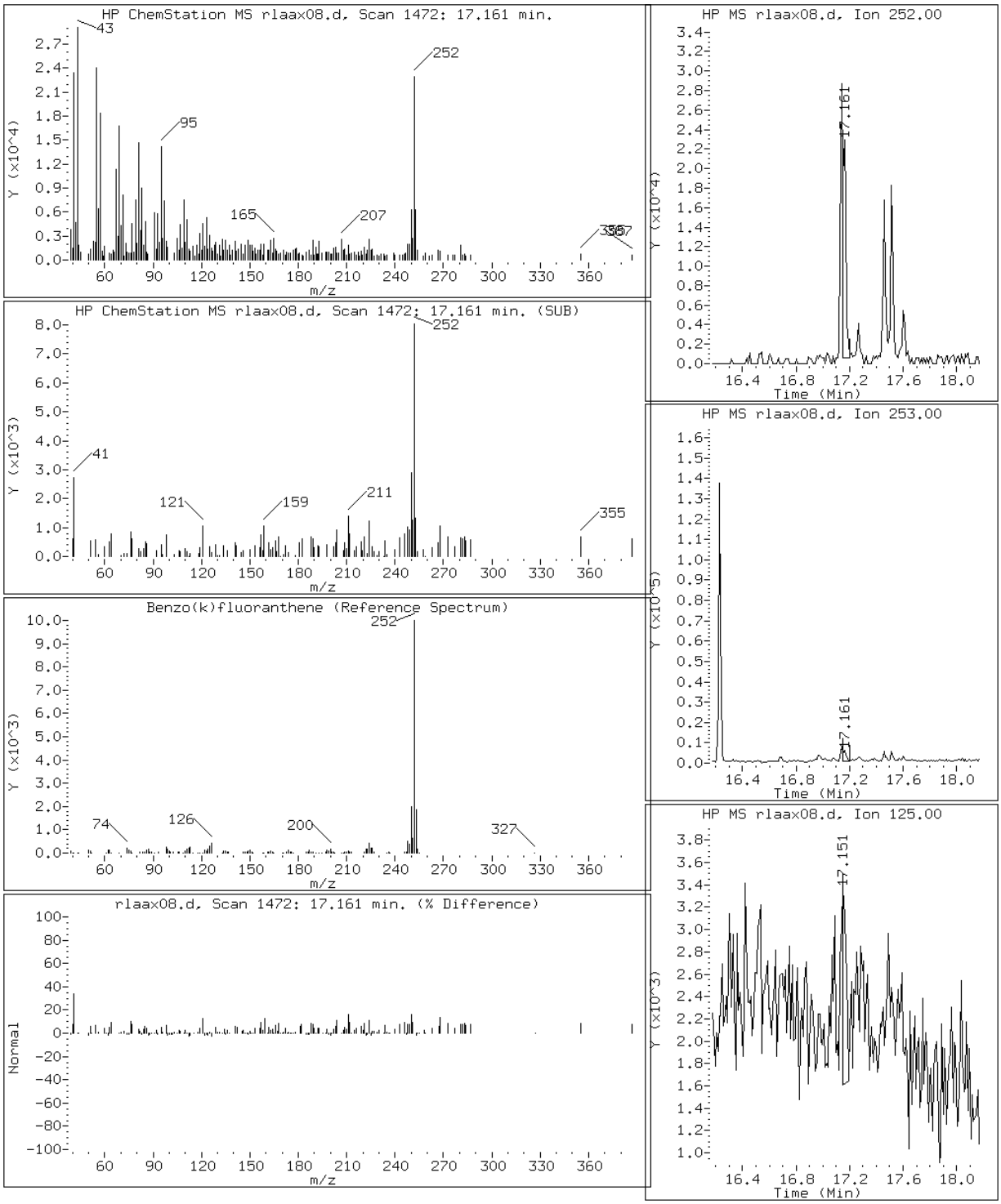
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

92 Benzo(k)fluoranthene



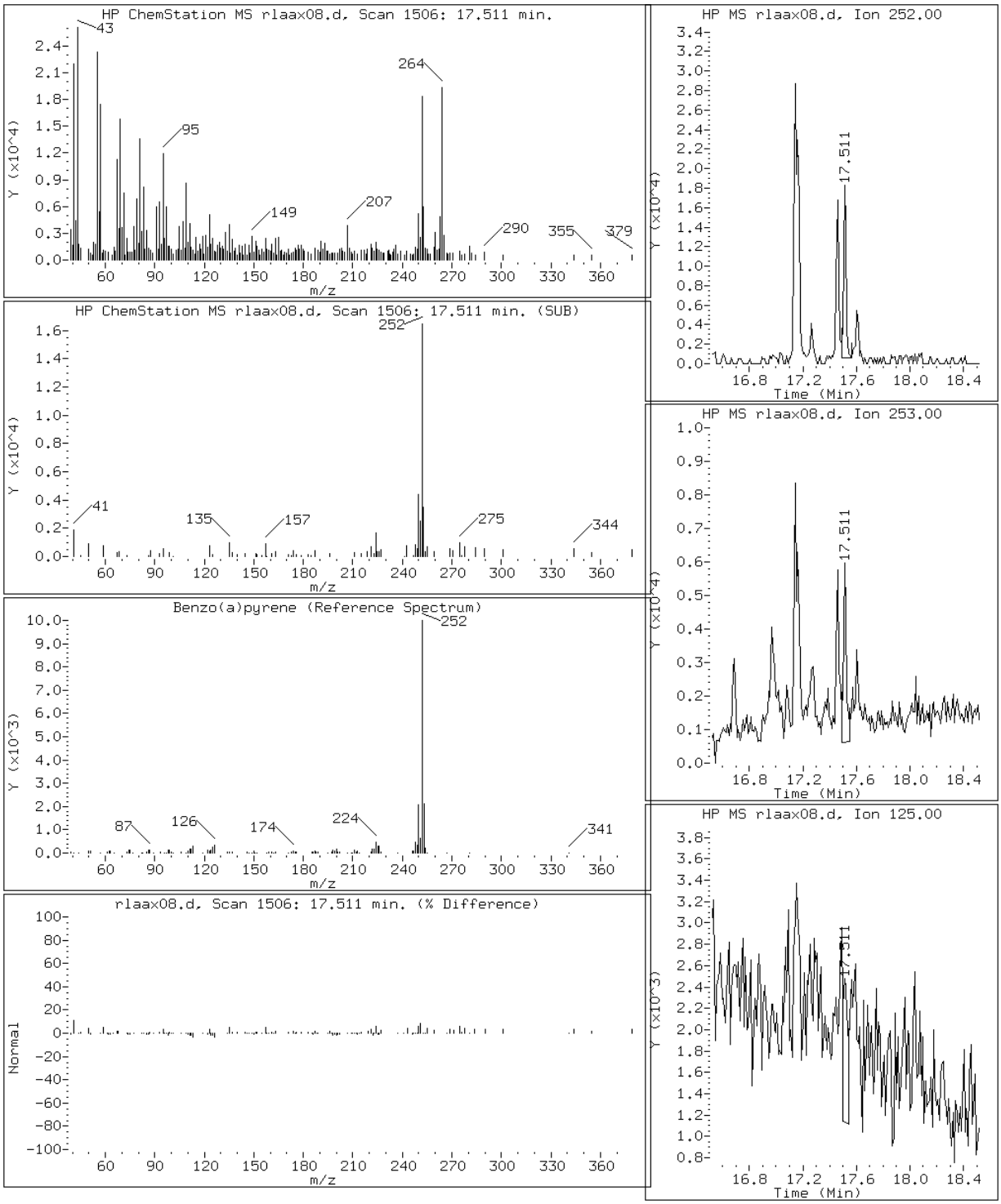
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

94 Benzo(a)pyrene



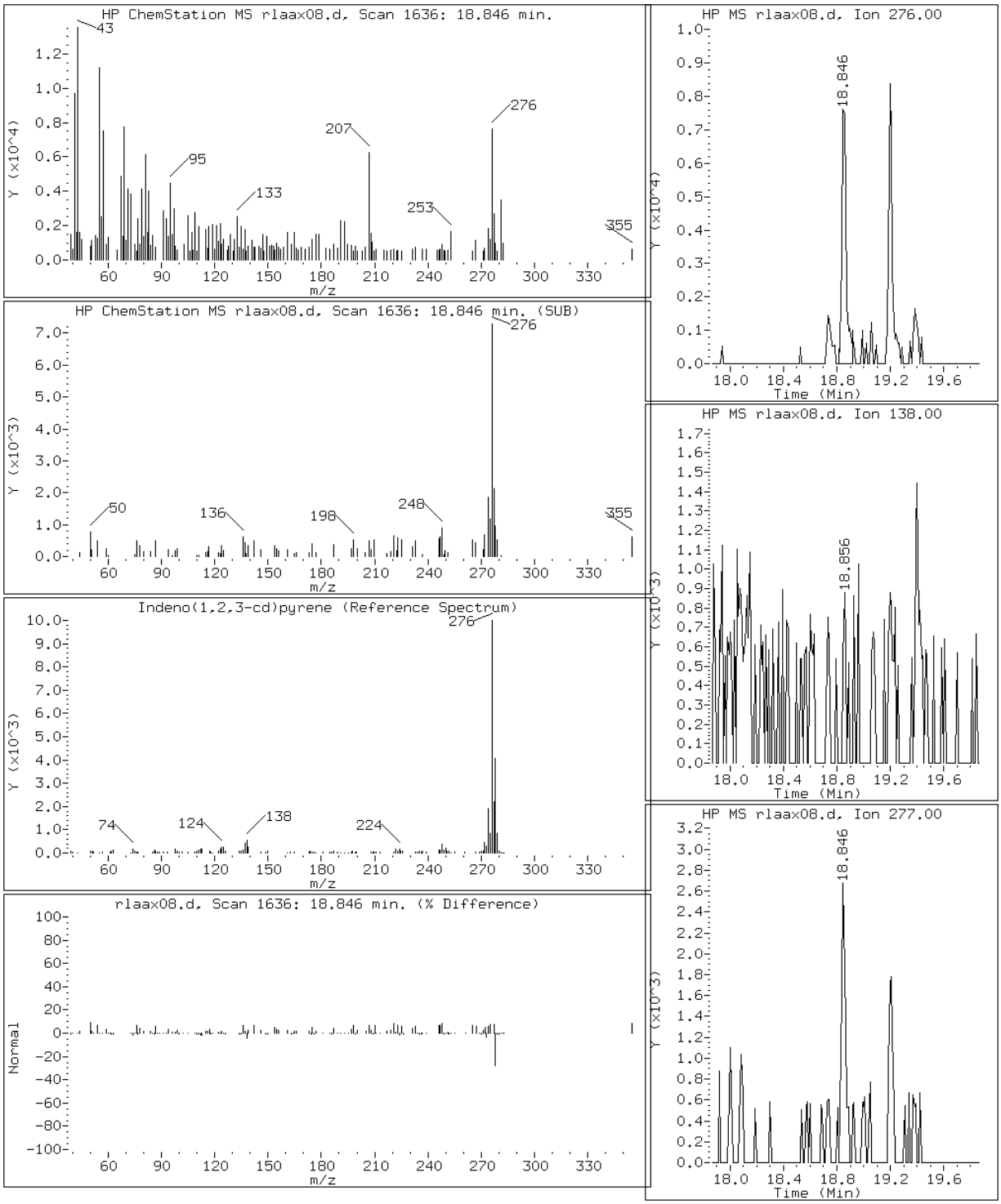
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

96 Indeno(1,2,3-cd)pyrene



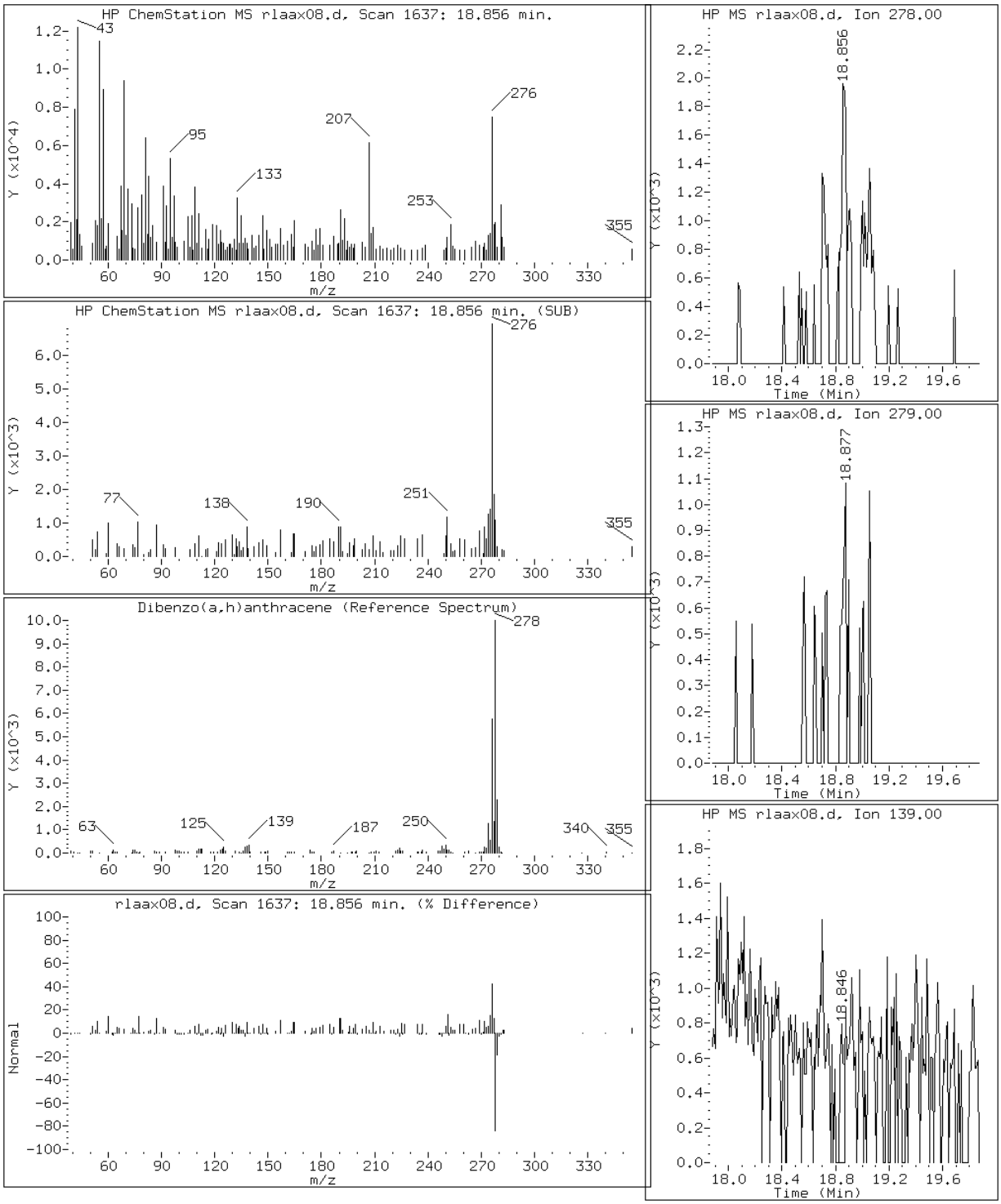
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

97 Dibenzo(a,h)anthracene



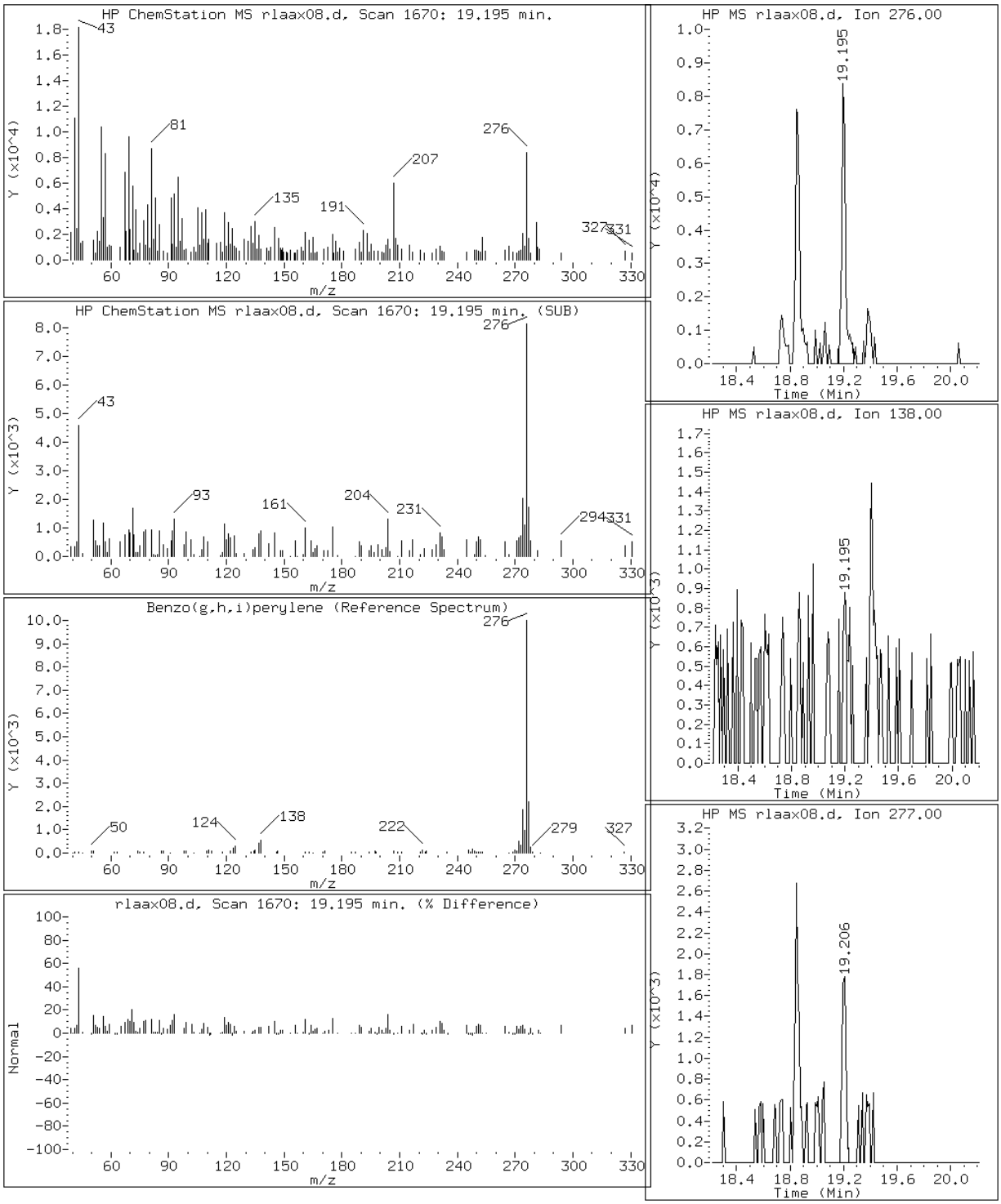
Data File: rlaax08.d

Lab Sample ID: 200-17642-2 Date: 22-AUG-2013 11:55

Client ID: TS003 (072413)RE Instrument: R.i

Sample Info: 200-17642-F-2-G Operator: djb

98 Benzo(g,h,i)perylene



EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3
Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAU15.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013
GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	130	J
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	3.5	J
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3
Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAU15.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013
GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamin [1]	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	51	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	18	J B
206-44-0	Fluoranthene	85	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	80	J B
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	50	J
218-01-9	Chrysene	69	J
117-81-7	Bis(2-ethylhexyl)phthalate	210	B
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo(b)fluoranthene	58	J
207-08-9	Benzo(k)fluoranthene	65	J
50-32-8	Benzo(a)pyrene	61	J
193-39-5	Indeno(1,2,3-cd)pyrene	23	J
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	27	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

[1] Cannot be separated from Diphenylamine

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAU15.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/21/2013

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: /chem/R.i/Rsvr.p/rlaausom.b/rlaau15.d

Page 1

Date : 21-AUG-2013 17:41

Client ID: TS004 (072413)

Instrument: R.i

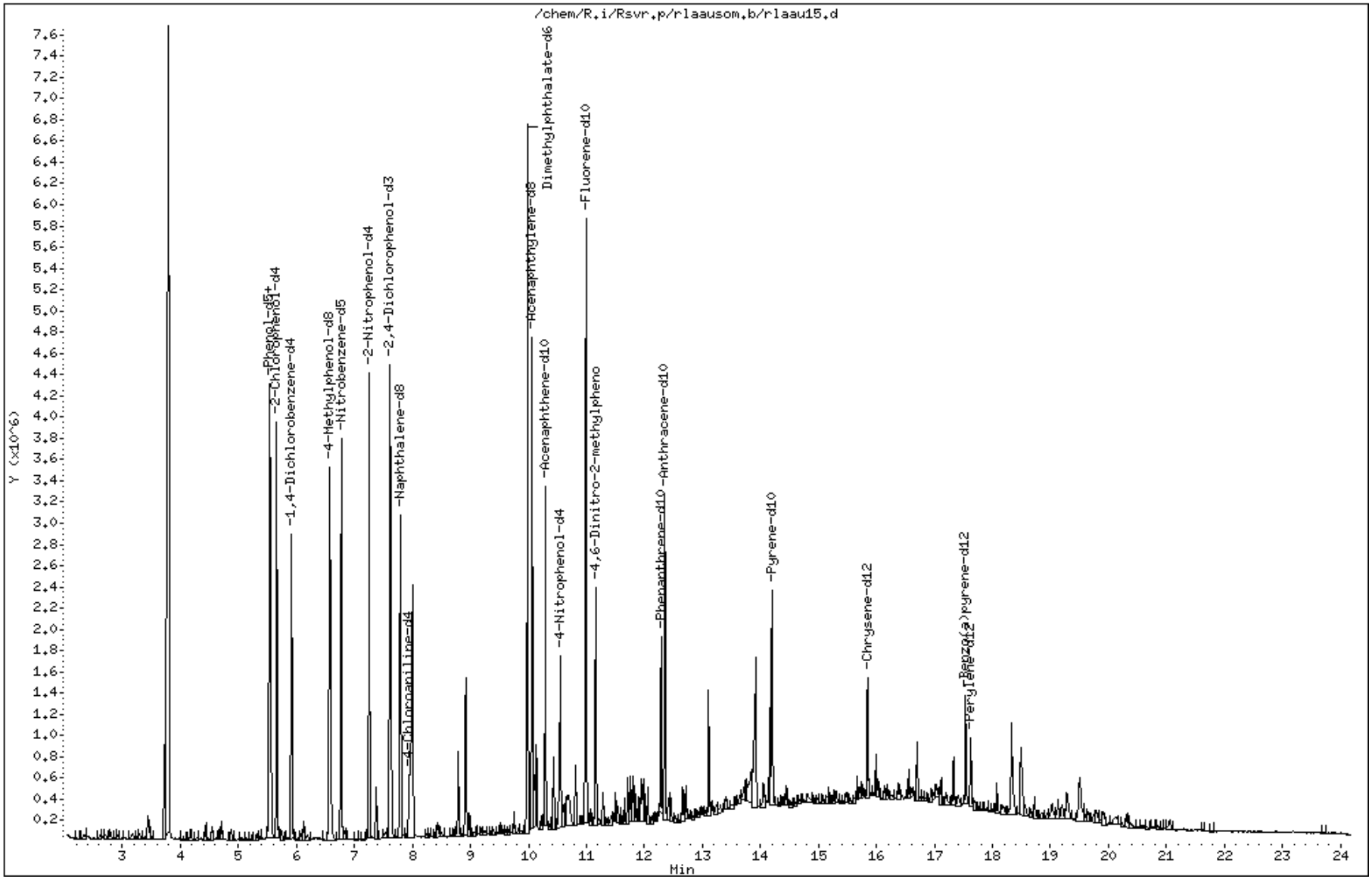
Sample Info: 200-17642-D-3-G

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 21-AUG-2013 17:41
Operator : djb Inst ID: R.i
Smp Info : 200-17642-D-3-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 21-Aug-2013 11:26 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng/uL)
5	Benzaldehyde	77	Compound Not Detected.					
$ 6	Phenol-d5	71	5.539	5.525	(0.936)	876685	74.6714	37(Q)
7	Phenol	94	Compound Not Detected.					
$ 8	Bis(2-chloroethyl)ether-d8	67	5.549	5.546	(0.938)	574426	57.8594	29(Q)
9	Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 10	2-Chlorophenol-d4	132	5.662	5.649	(0.957)	660215	52.7191	26
11	2-Chlorophenol	128	Compound Not Detected.					
* 12	1,4-Dichlorobenzene-d4	152	5.919	5.916	(1.000)	361310	40.0000	
14	2-Methylphenol	108	Compound Not Detected.					
15	2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 16	4-Methylphenol-d8	113	6.576	6.573	(1.111)	659453	93.1874	47(QR)
17	Acetophenone	105	6.556	6.553	(1.108)	127171	6.87492	3.4(aQH)
18	4-Methylphenol	108	Compound Not Detected.					
20	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
21	Hexachloroethane	116	Compound Not Detected.					
$ 22	Nitrobenzene-d5	128	6.772	6.768	(0.869)	380357	62.5952	31(Q)
23	Nitrobenzene	77	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng/uL)
	24	Isophorone	82	Compound Not Detected.					
$	25	2-Nitrophenol-d4	143	7.254	7.251	(0.931)	488372	63.8713	32
	26	2-Nitrophenol	139	Compound Not Detected.					
	27	2,4-Dimethylphenol	107	Compound Not Detected.					
	28	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	29	2,4-Dichlorophenol-d3	165	7.614	7.611	(0.978)	916584	64.3297	32
	30	2,4-Dichlorophenol	162	Compound Not Detected.					
*	31	Naphthalene-d8	136	7.789	7.796	(1.000)	1299840	40.0000	
	32	Naphthalene	128	7.819	7.816	(1.004)	5553	0.18333	0.092(aM)
$	33	4-Chloroaniline-d4	131	7.943	7.939	(1.020)	236535	16.0694	8.0
	34	4-Chloroaniline	127	Compound Not Detected.					
	35	Hexachlorobutadiene	224	Compound Not Detected.					
	36	Caprolactam	113	Compound Not Detected.					
	37	4-Chloro-3-methylphenol	107	Compound Not Detected.					
	38	2-Methylnaphthalene	142	Compound Not Detected.					
	39	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	40	Hexachlorocyclopentadiene	236	Compound Not Detected.					
	41	2,4,6-Trichlorophenol	196	Compound Not Detected.					
	42	2,4,5-Trichlorophenol	196	Compound Not Detected.					
	43	1,1'-Biphenyl	154	Compound Not Detected.					
	45	2-Chloronaphthalene	162	Compound Not Detected.					
	46	2-Nitroaniline	65	Compound Not Detected.					
$	47	Dimethylphthalate-d6	166	9.987	9.984	(0.970)	2359224	73.4053	37
	48	Dimethylphthalate	163	Compound Not Detected.					
	51	2,6-Dinitrotoluene	165	Compound Not Detected.					
$	49	Acenaphthylene-d8	160	10.069	10.056	(0.978)	2435876	67.9166	34
	50	Acenaphthylene	152	Compound Not Detected.					
	52	3-Nitroaniline	138	Compound Not Detected.					
*	53	Acenaphthene-d10	164	10.295	10.292	(1.000)	717469	40.0000	
	54	Acenaphthene	153	Compound Not Detected.					
	55	2,4-Dinitrophenol	184	Compound Not Detected.					
$	56	4-Nitrophenol-d4	143	10.552	10.538	(1.025)	148813	46.2855	23(Q)
	57	4-Nitrophenol	109	Compound Not Detected.					
	58	Dibenzofuran	168	Compound Not Detected.					
	60	2,4-Dinitrotoluene	165	Compound Not Detected.					
	61	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	62	Diethylphthalate	149	Compound Not Detected.					
$	63	Fluorene-d10	176	10.994	10.980	(1.068)	1418017	65.8873	33
	64	Fluorene	166	Compound Not Detected.					
	65	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	66	4-Nitroaniline	138	Compound Not Detected.					
$	67	4,6-Dinitro-2-methylphenol-d2	200	11.158	11.155	(0.908)	207026	70.5418	35(Q)
	68	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	69	N-Nitrosodiphenylamine	169	Compound Not Detected.					
	70	4-Bromophenyl-phenylether	248	Compound Not Detected.					
	71	Hexachlorobenzene	283	Compound Not Detected.					
	72	Atrazine	200	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	73 Pentachlorophenol	265	Compound Not Detected.					
*	74 Phenanthrene-d10	188	12.288	12.285	(1.000)	644517	40.0000	
	75 Phenanthrene	178	12.319	12.315	(1.002)	42426	2.68078	1.3(a)
$	76 Anthracene-d10	188	12.350	12.346	(1.005)	1247673	69.7654	35
	77 Anthracene	178	Compound Not Detected.					
	78 Carbazole	167	Compound Not Detected.					
	79 Di-n-butylphthalate	149	13.182	13.178	(1.073)	21395	0.94779	0.47(a)
	80 Fluoranthene	202	13.921	13.918	(1.133)	74831	4.50244	2.3(a)
$	82 Pyrene-d10	212	14.199	14.185	(0.896)	870207	67.3661	34
	83 Pyrene	202	14.219	14.216	(0.897)	69244	5.74224	2.9(aQM)
	84 Butylbenzylphthalate	149	15.175	15.181	(0.957)	29026	4.23142	2.1(a)
	85 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	86 Benzo(a)anthracene	228	15.832	15.829	(0.999)	32508	2.64005	1.3(a)
*	87 Chrysene-d12	240	15.852	15.849	(1.000)	513920	40.0000	
	88 Chrysene	228	15.883	15.880	(1.002)	40498	3.62489	1.8(a)
	89 Bis(2-ethylhexyl)phthalate	149	15.986	15.983	(1.008)	93996	10.8615	5.4
	90 Di-n-octylphthalate	149	Compound Not Detected.					
	91 Benzo(b)fluoranthene	252	17.188	17.185	(0.975)	23803	3.08248	1.5(aMH)
	92 Benzo(k)fluoranthene	252	17.208	17.215	(0.976)	26811	3.42659	1.7(aM)
$	93 Benzo(a)pyrene-d12	264	17.537	17.534	(0.995)	434855	63.5180	32
	94 Benzo(a)pyrene	252	17.568	17.565	(0.996)	21333	3.19000	1.6(aQ)
*	95 Perylene-d12	264	17.630	17.626	(1.000)	276130	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.924	18.921	(1.073)	9530	1.23719	0.62(a)
	97 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	98 Benzo(g,h,i)perylene	276	19.273	19.270	(1.093)	9095	1.40722	0.70(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 21-AUG-2013 17:41
Operator : djb Inst ID: R.i
Smp Info : 200-17642-D-3-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 21-Aug-2013 11:26 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

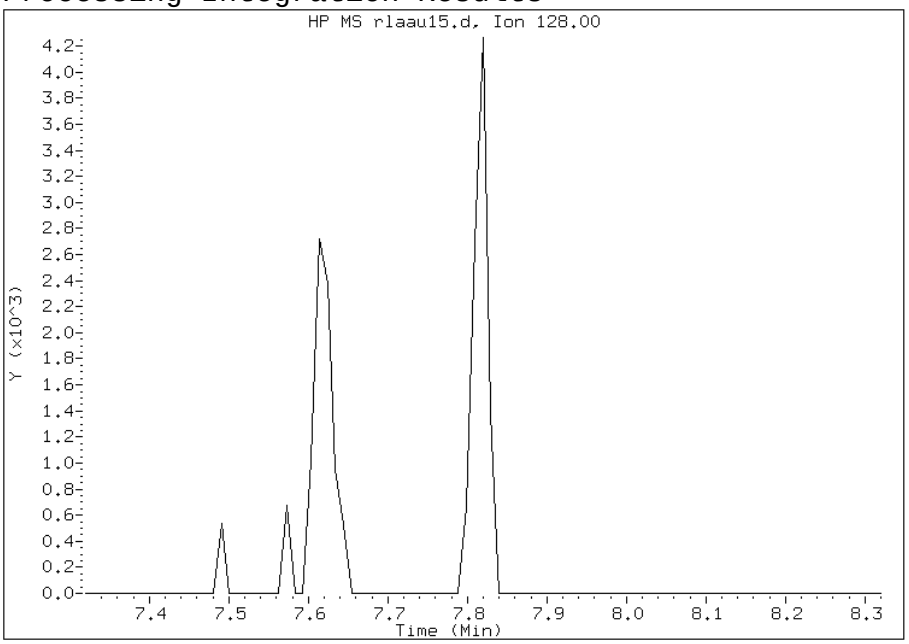
Manual Integration Report

Data File: rlaau15.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 21-AUG-2013 17:41
Instrument ID: R.i
Client ID: TS004 (072413)
Compound: 32 Naphthalene
CAS #: 91-20-3
Report Date: 08/26/2013

Processing Integration Results

Not Detected

Expected RT: 7.82



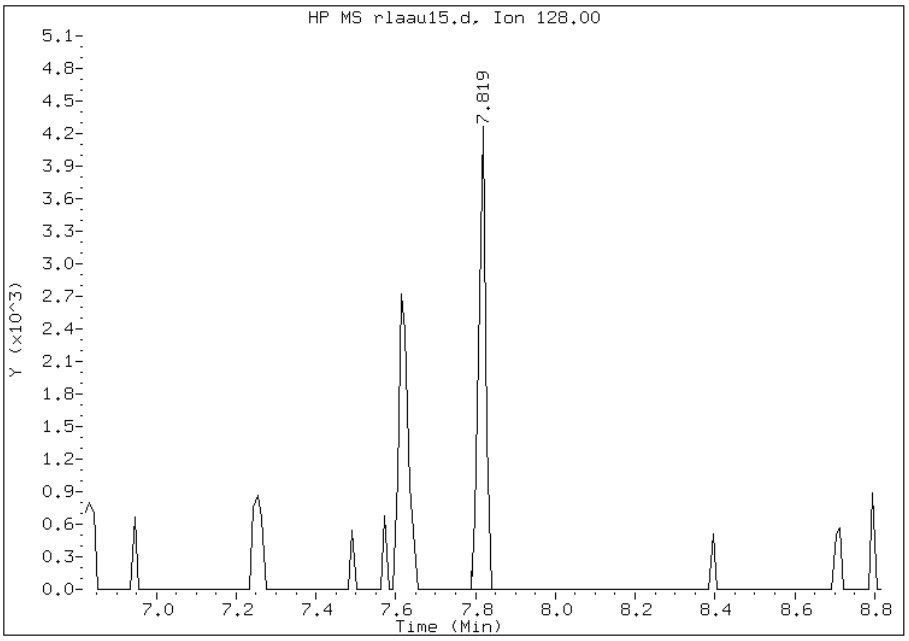
Manual Integration Results

RT: 7.82

Response: 5553

Amount: 0.183330

Conc: 0.091665



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Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaau15.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 21-AUG-2013 17:41
Instrument ID: R.i
Client ID: TS004 (072413)
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/26/2013

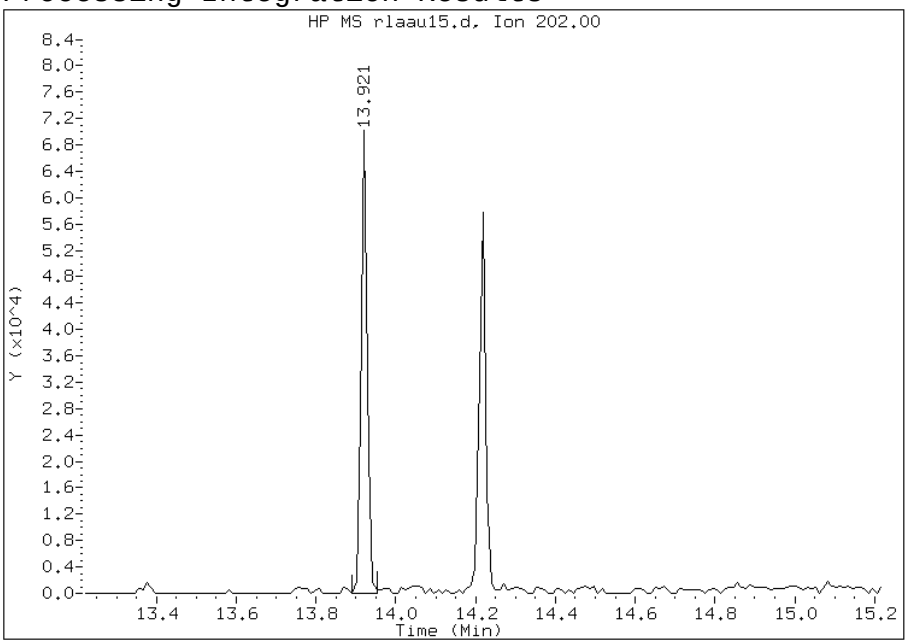
Processing Integration Results

RT: 13.92

Response: 74831

Amount: 6.21

Conc: 3.10



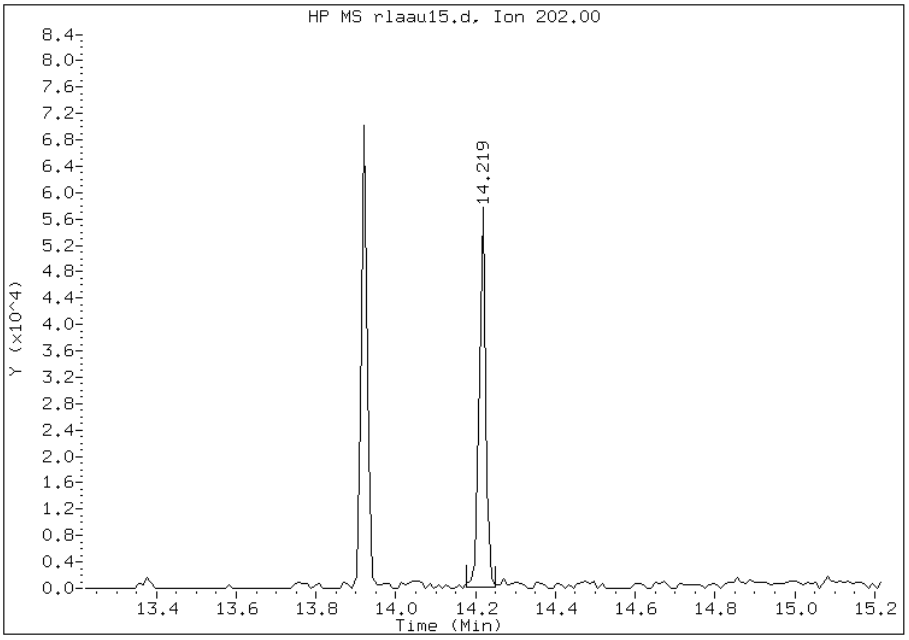
Manual Integration Results

RT: 14.22

Response: 69244

Amount: 5.74

Conc: 2.87



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaau15.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 21-AUG-2013 17:41
Instrument ID: R.i
Client ID: TS004 (072413)
Compound: 91 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 08/26/2013

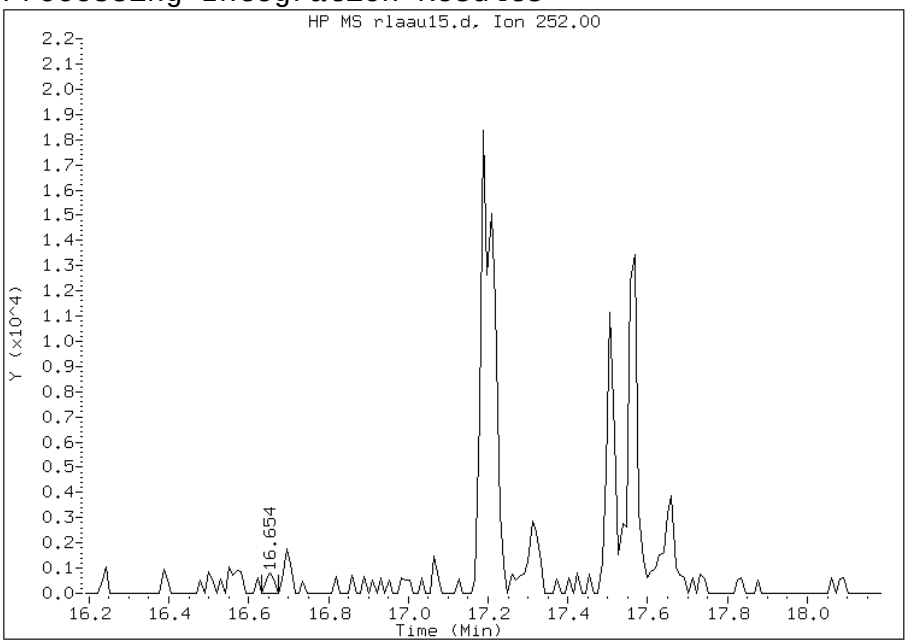
Processing Integration Results

RT: 16.65

Response: 1197

Amount: 0.155011

Conc: 0.077505



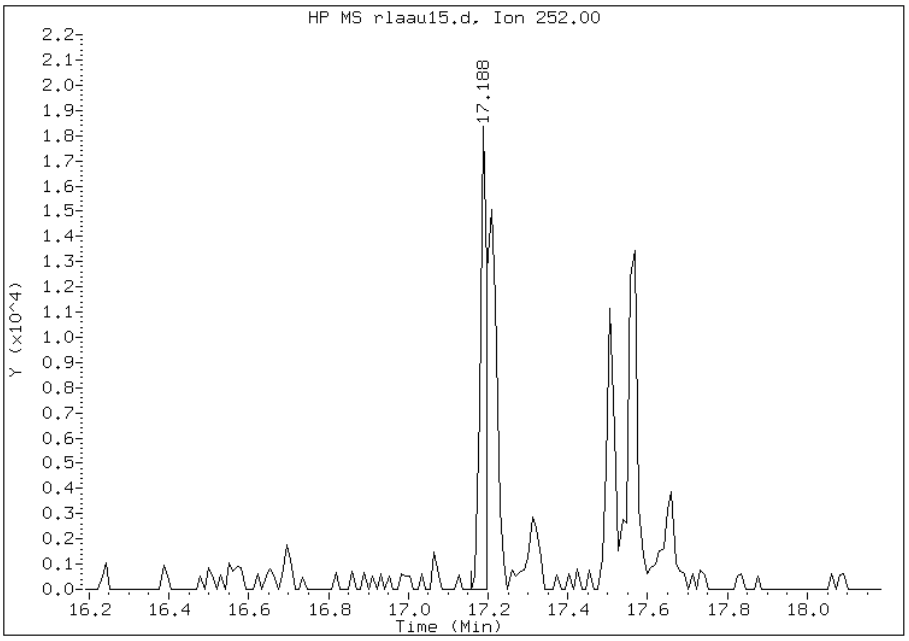
Manual Integration Results

RT: 17.19

Response: 23803

Amount: 3.08

Conc: 1.54



File Uploaded By: je
Manual Integration Reason: Split peak

Manual Integration Report

Data File: rlaau15.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 21-AUG-2013 17:41
Instrument ID: R.i
Client ID: TS004 (072413)
Compound: 92 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/26/2013

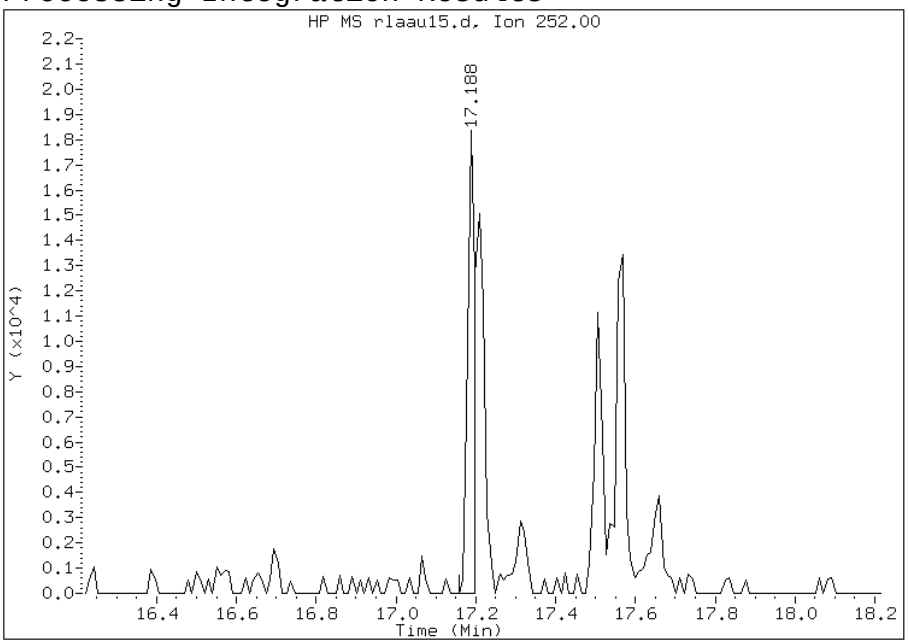
Processing Integration Results

RT: 17.19

Response: 23803

Amount: 3.04

Conc: 1.52



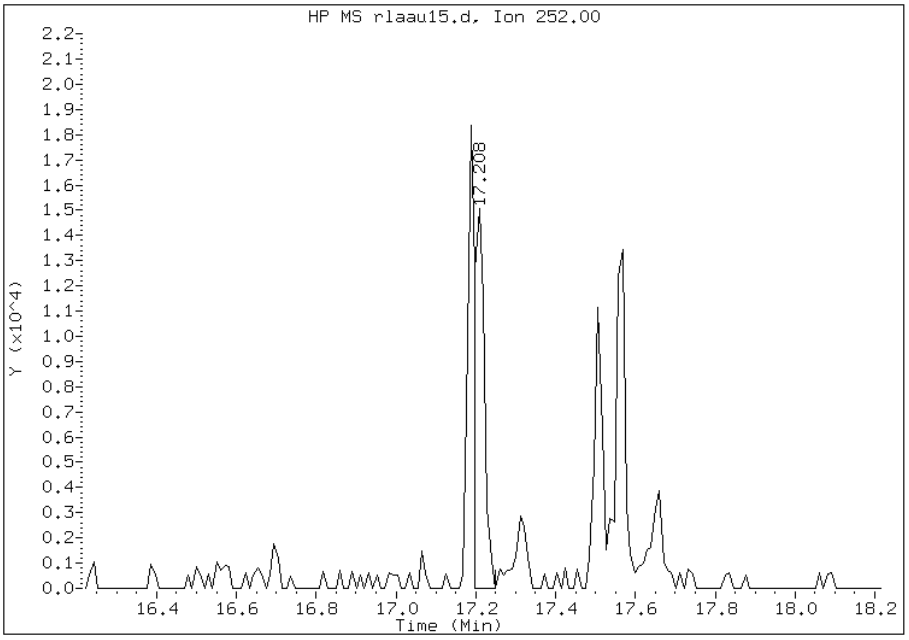
Manual Integration Results

RT: 17.21

Response: 26811

Amount: 3.43

Conc: 1.71



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaau15.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 21-AUG-2013 17:41
Instrument ID: R.i
Client ID: TS004 (072413)
Compound: 98 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/26/2013

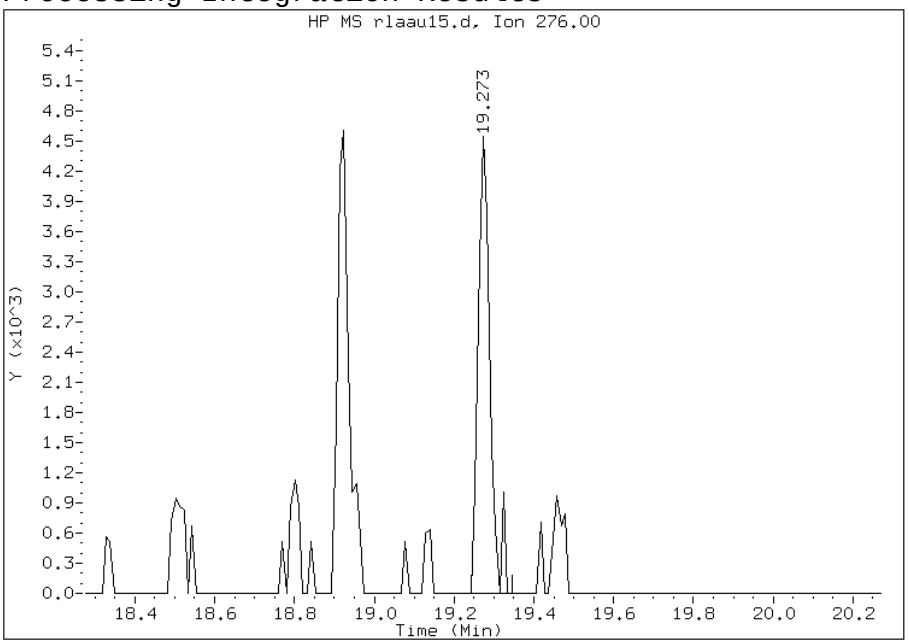
Processing Integration Results

RT: 19.27

Response: 9720

Amount: 1.50

Conc: 0.751959



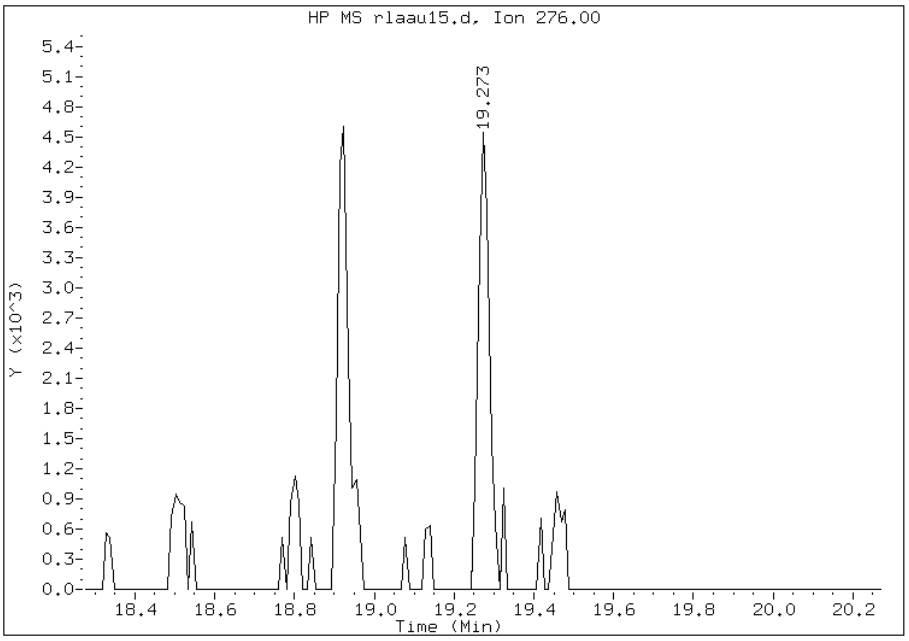
Manual Integration Results

RT: 19.27

Response: 9095

Amount: 1.41

Conc: 0.703608



File Uploaded By: je
Manual Integration Reason:

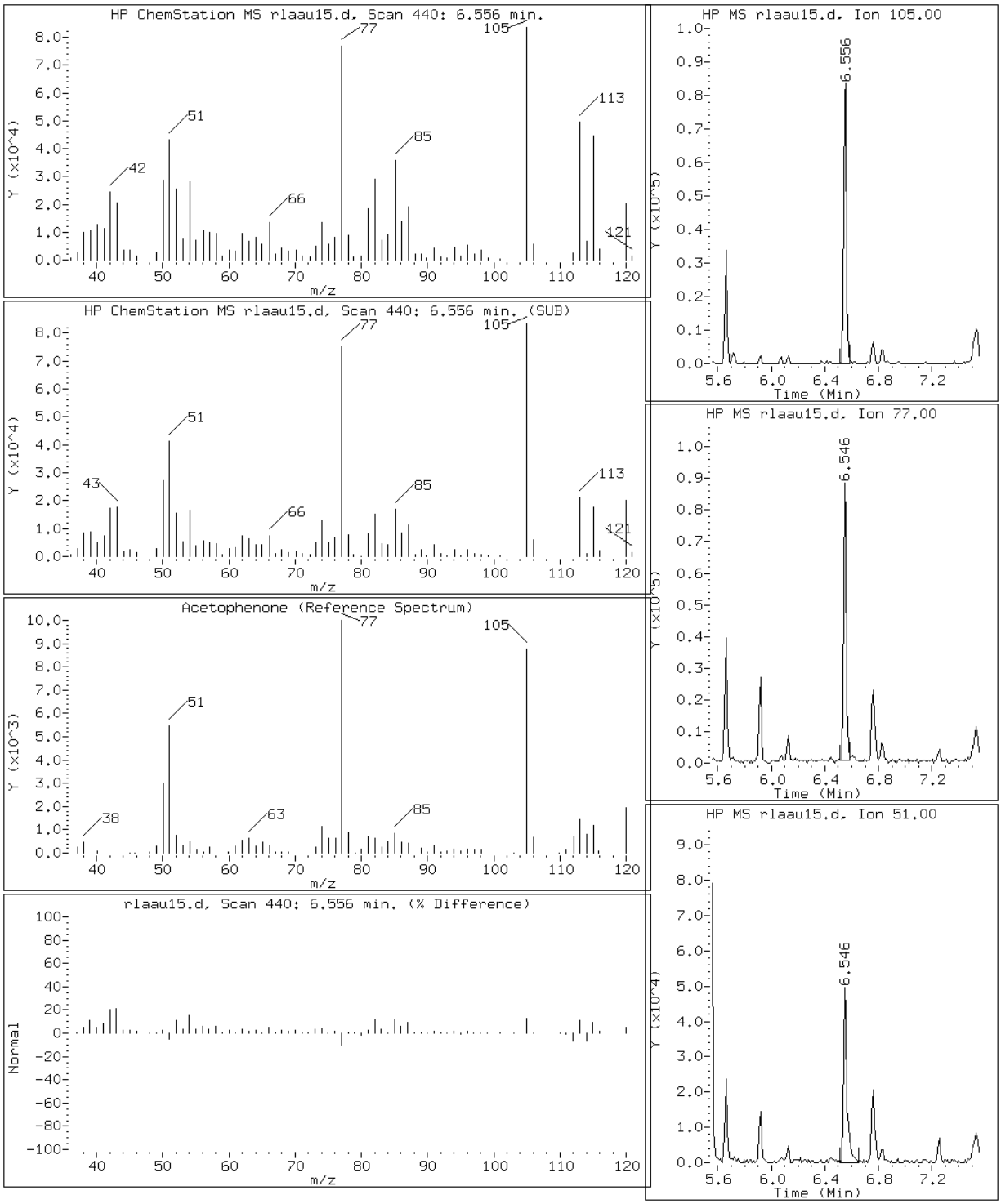
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

17 Acetophenone



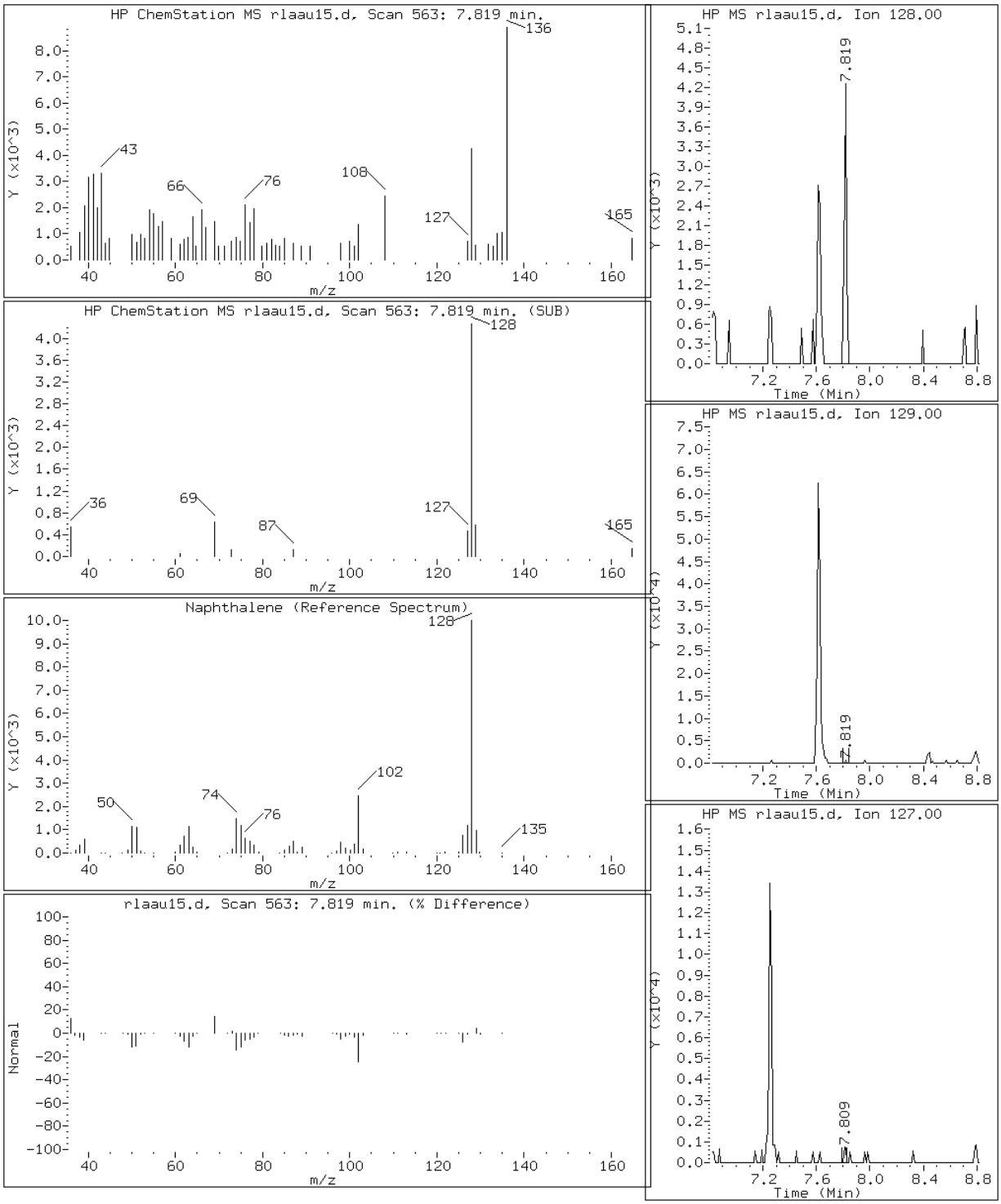
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

32 Naphthalene



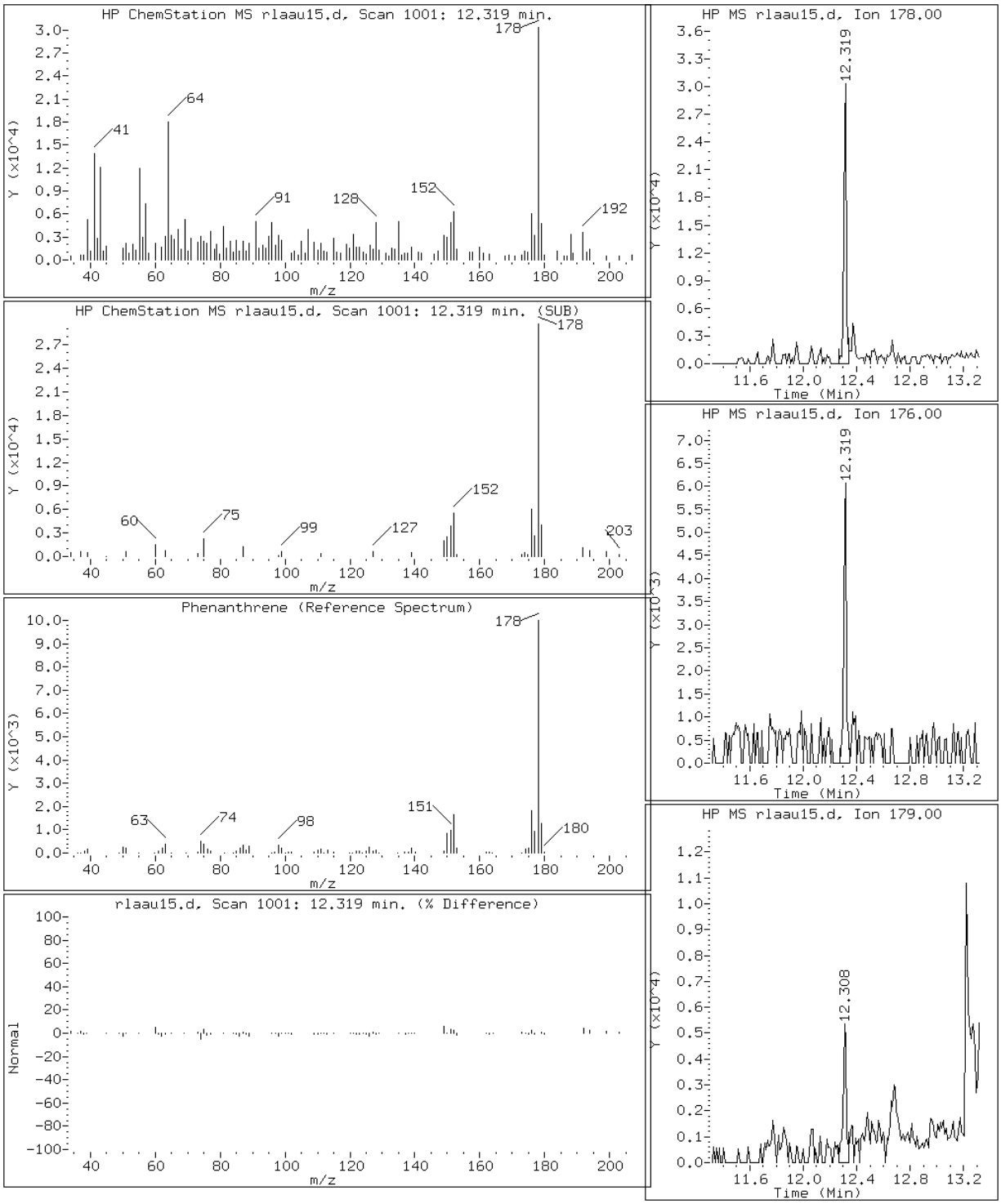
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

75 Phenanthrene



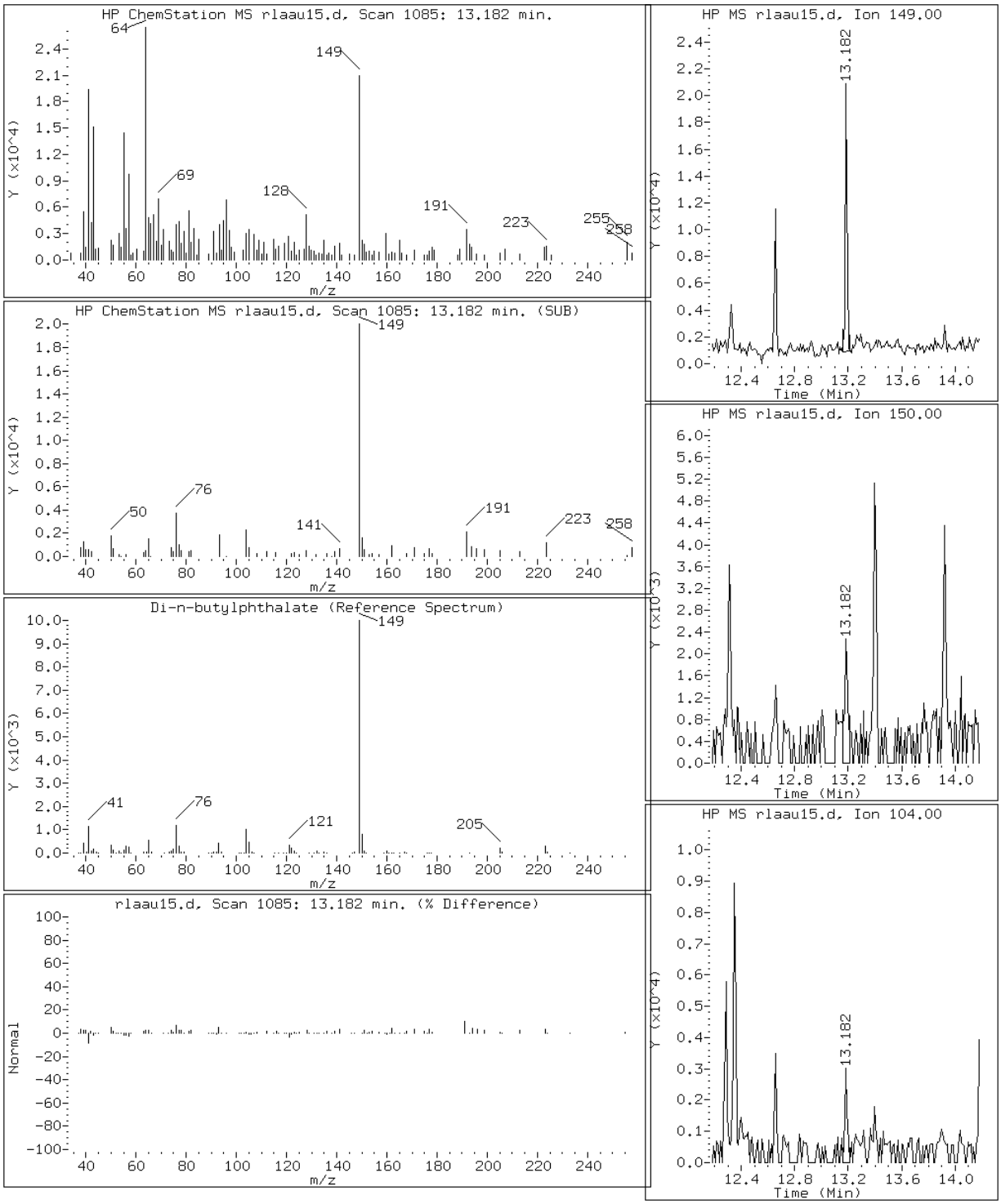
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

79 Di-n-butylphthalate



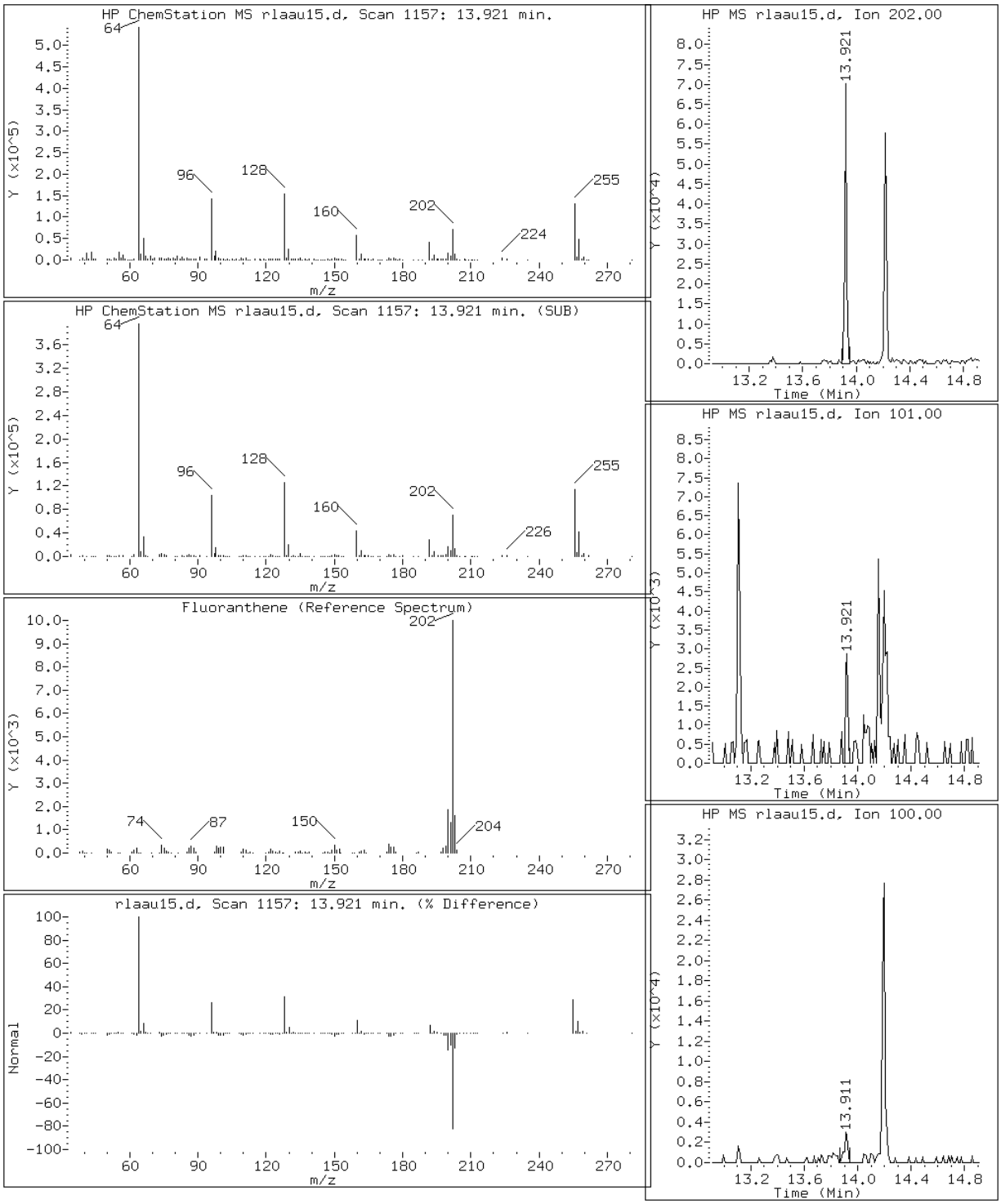
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

80 Fluoranthene



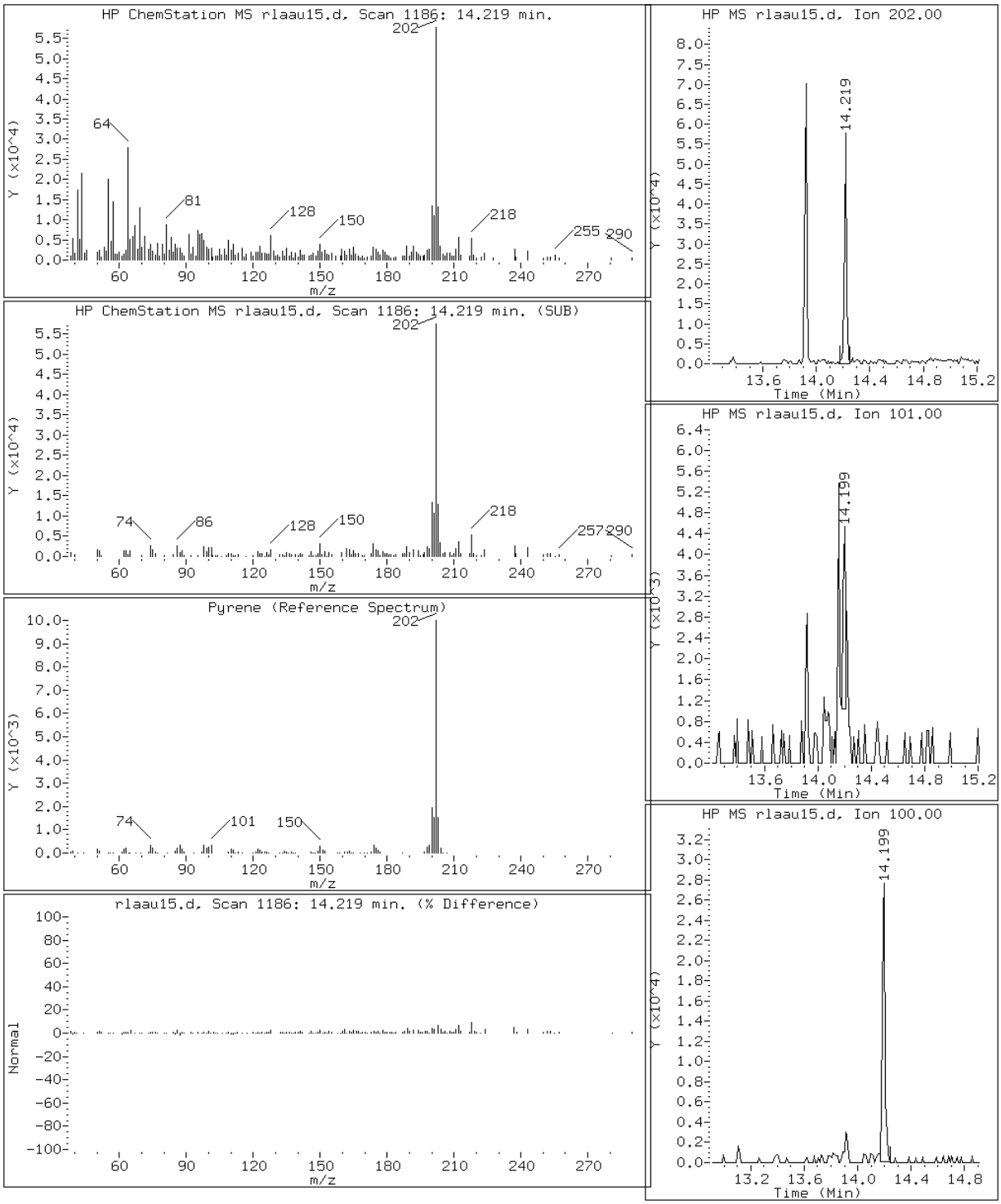
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

83 Pyrene



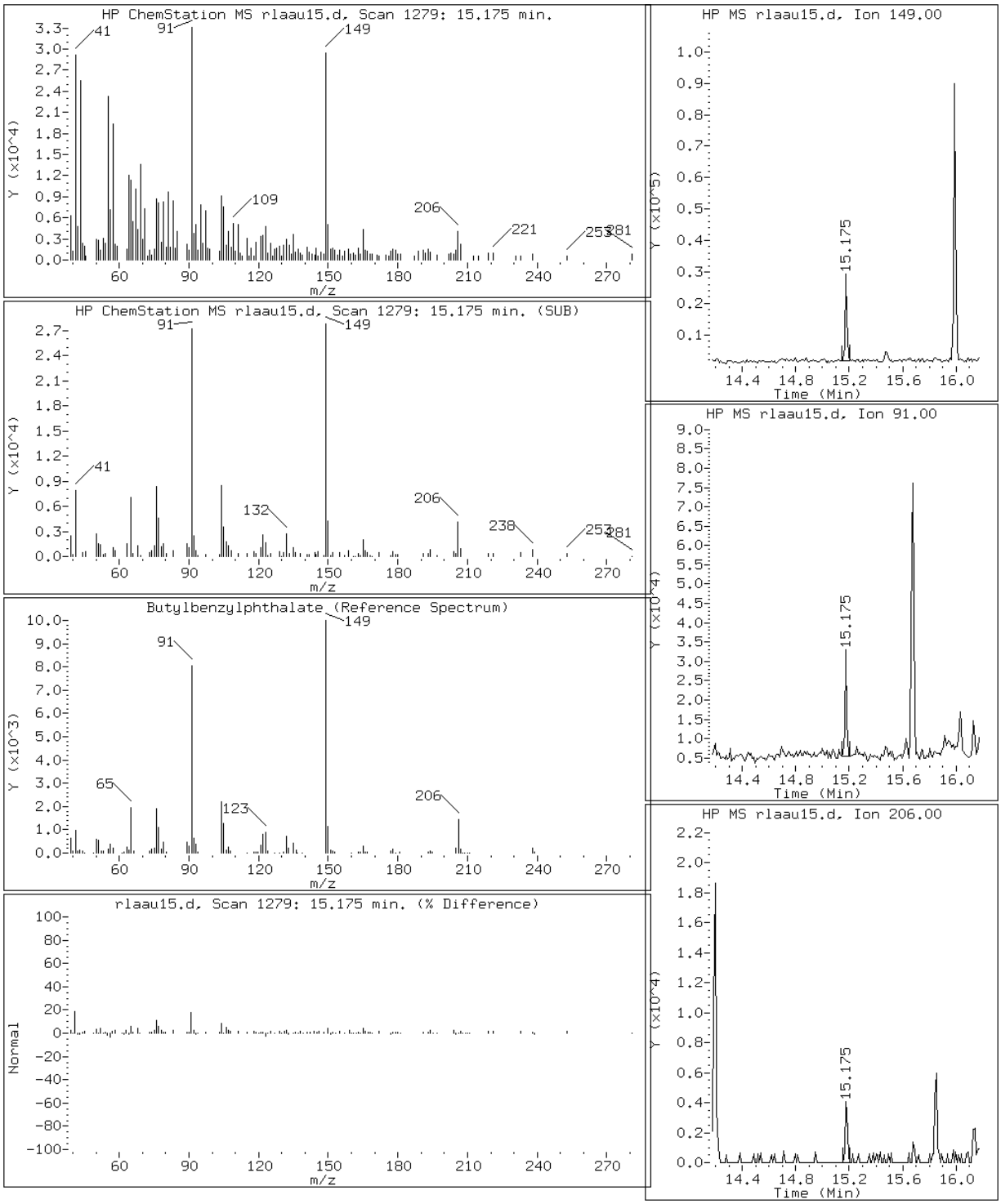
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

84 Butylbenzylphthalate



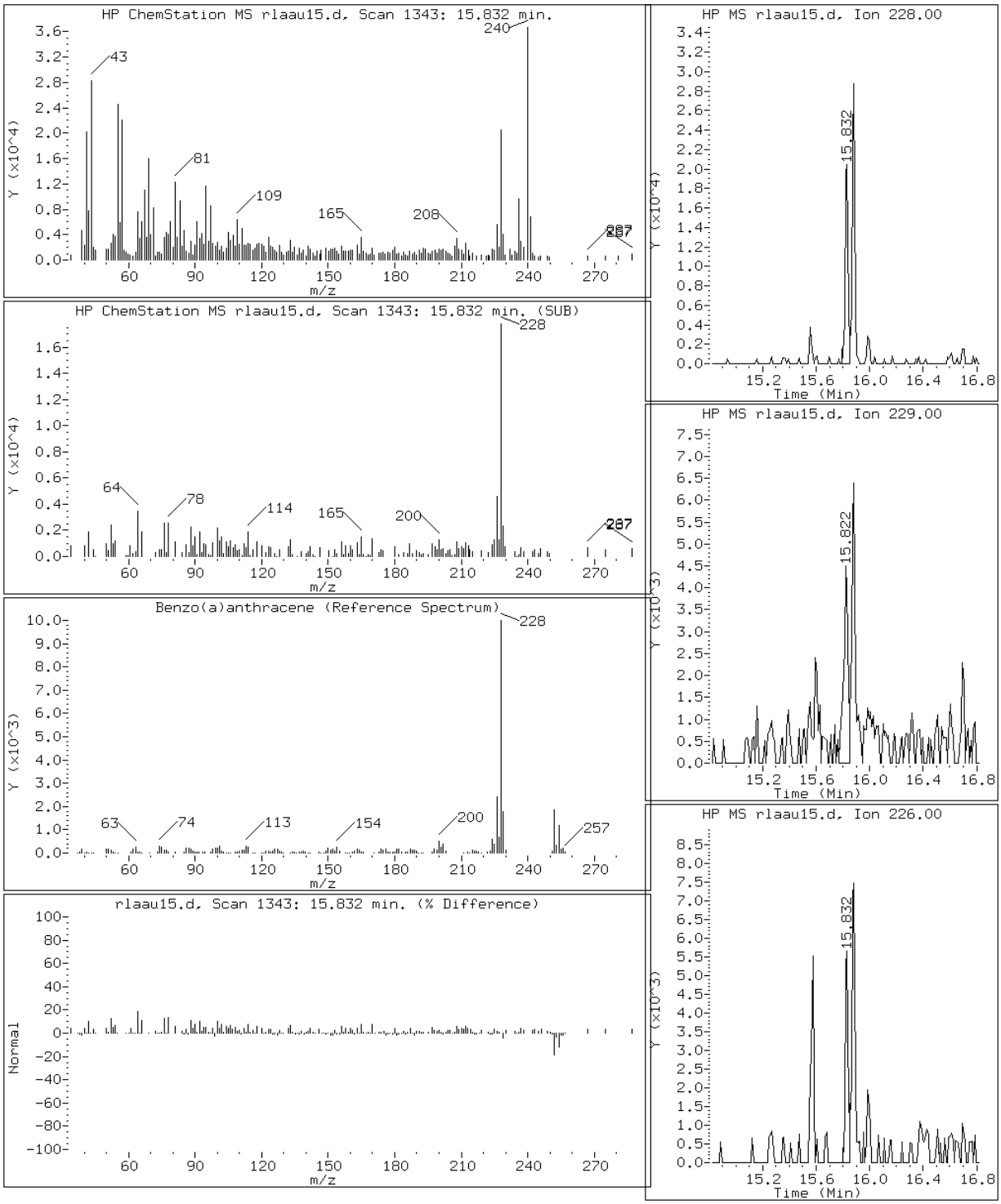
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

86 Benzo(a)anthracene



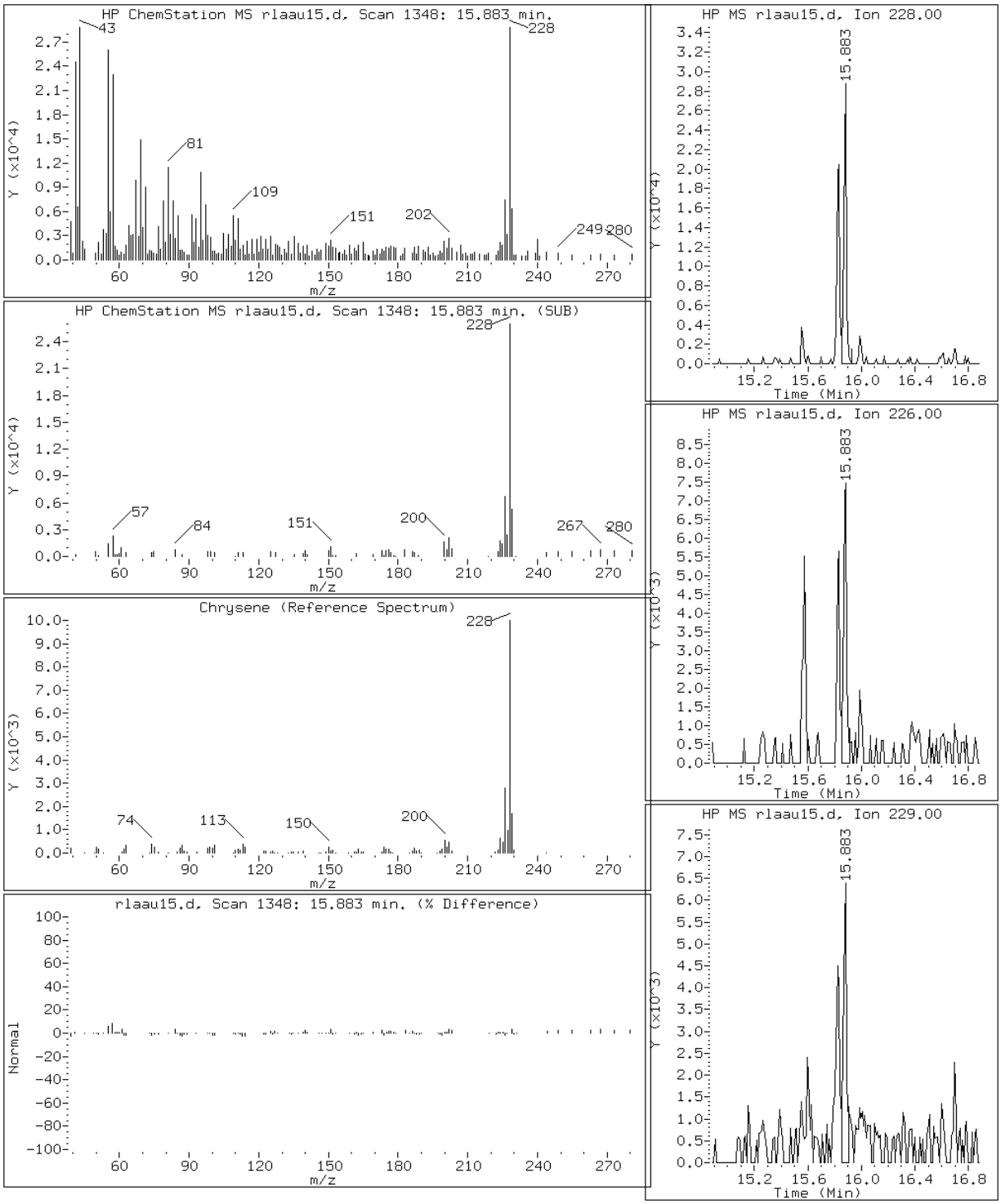
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

88 Chrysene



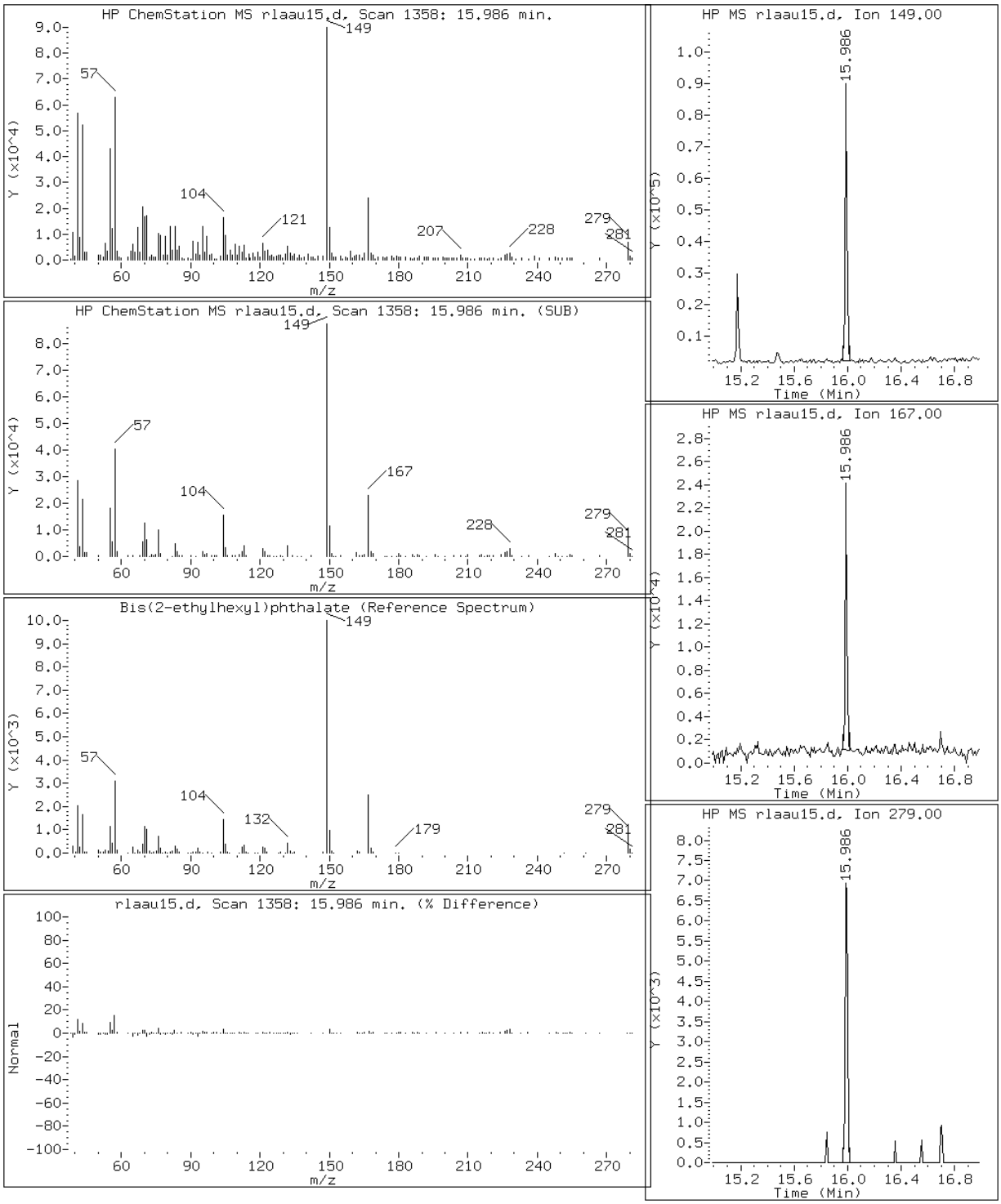
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

89 Bis(2-ethylhexyl)phthalate



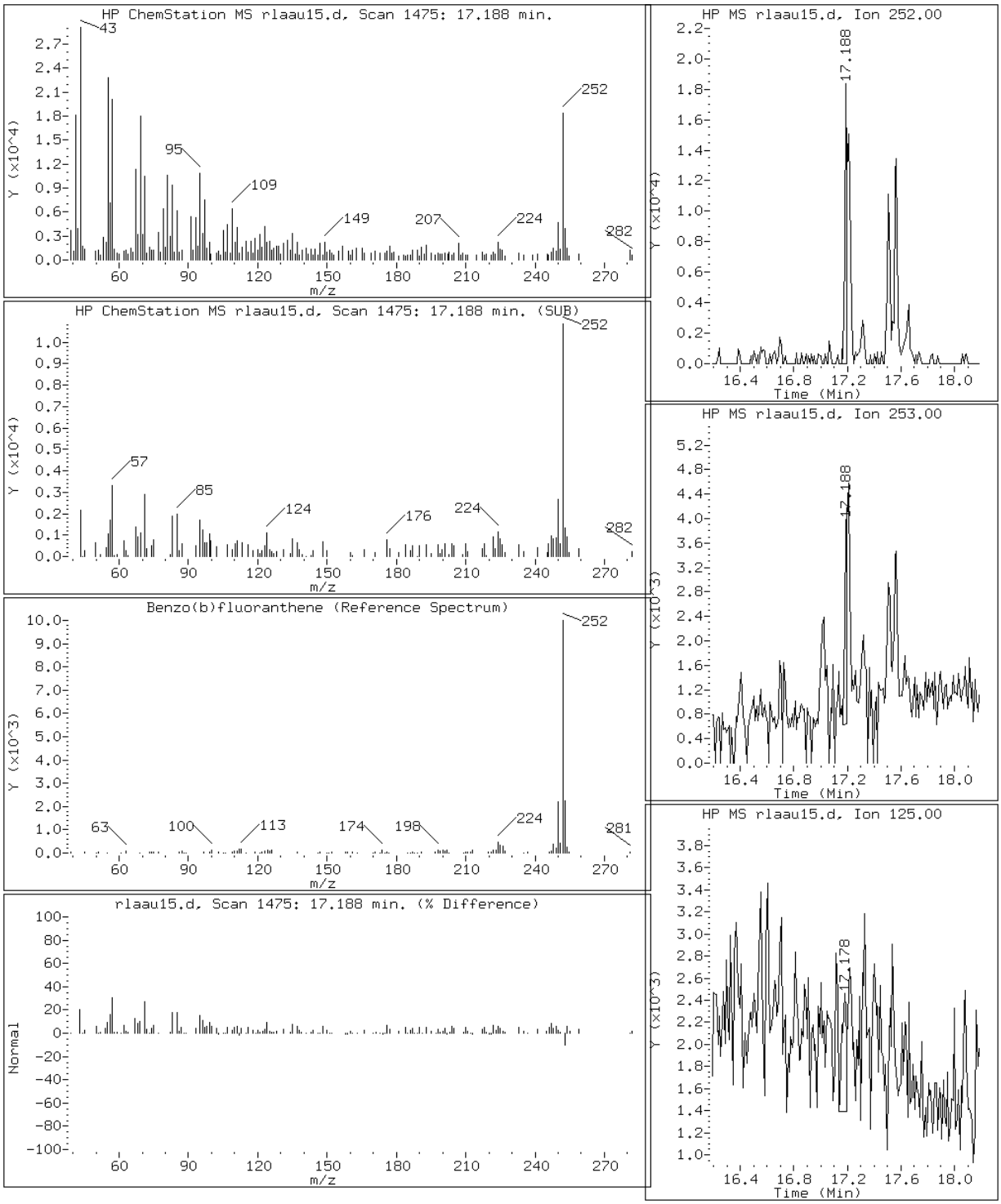
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

91 Benzo(b)fluoranthene



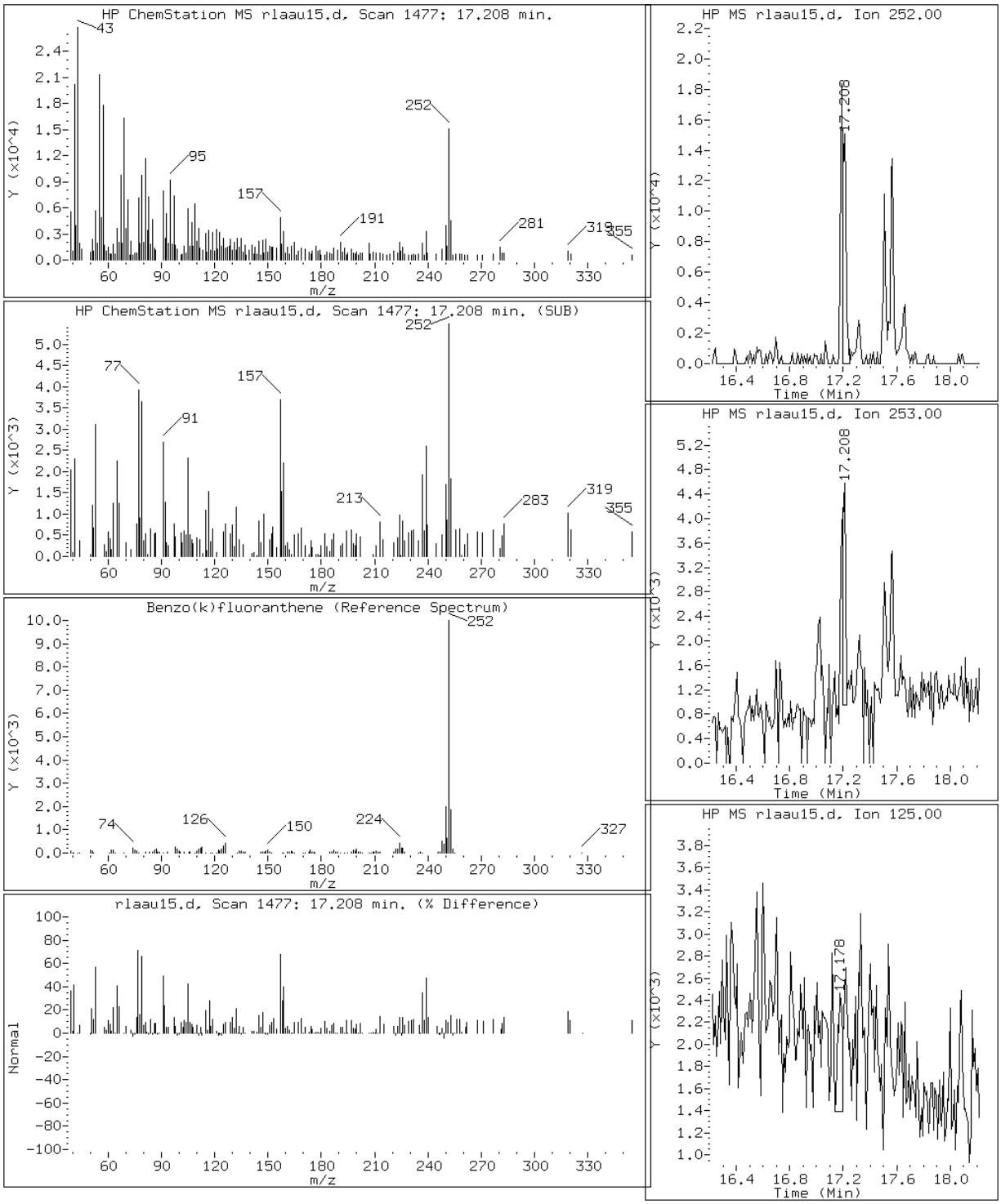
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

92 Benzo(k)fluoranthene



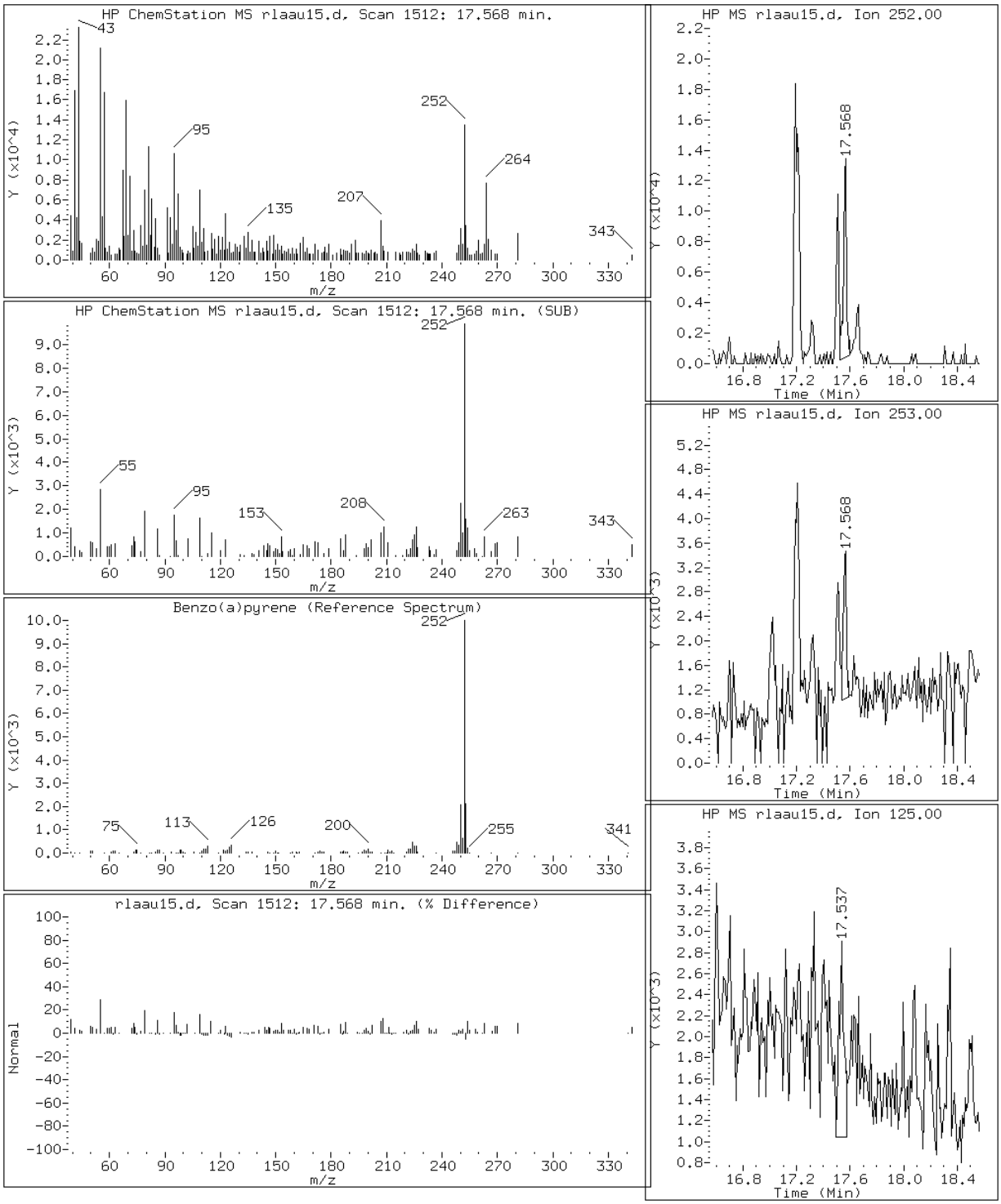
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

94 Benzo(a)pyrene



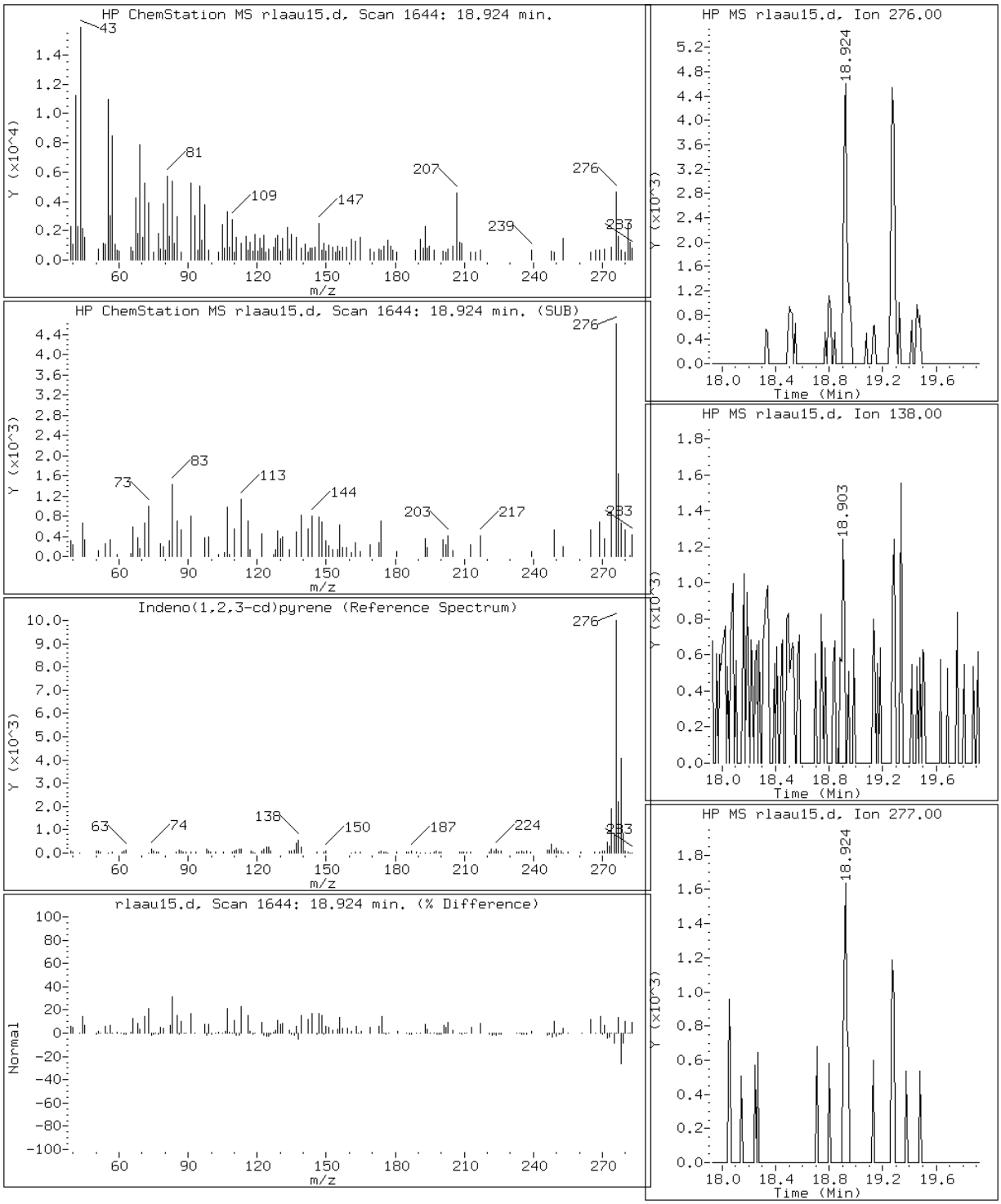
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

96 Indeno(1,2,3-cd)pyrene



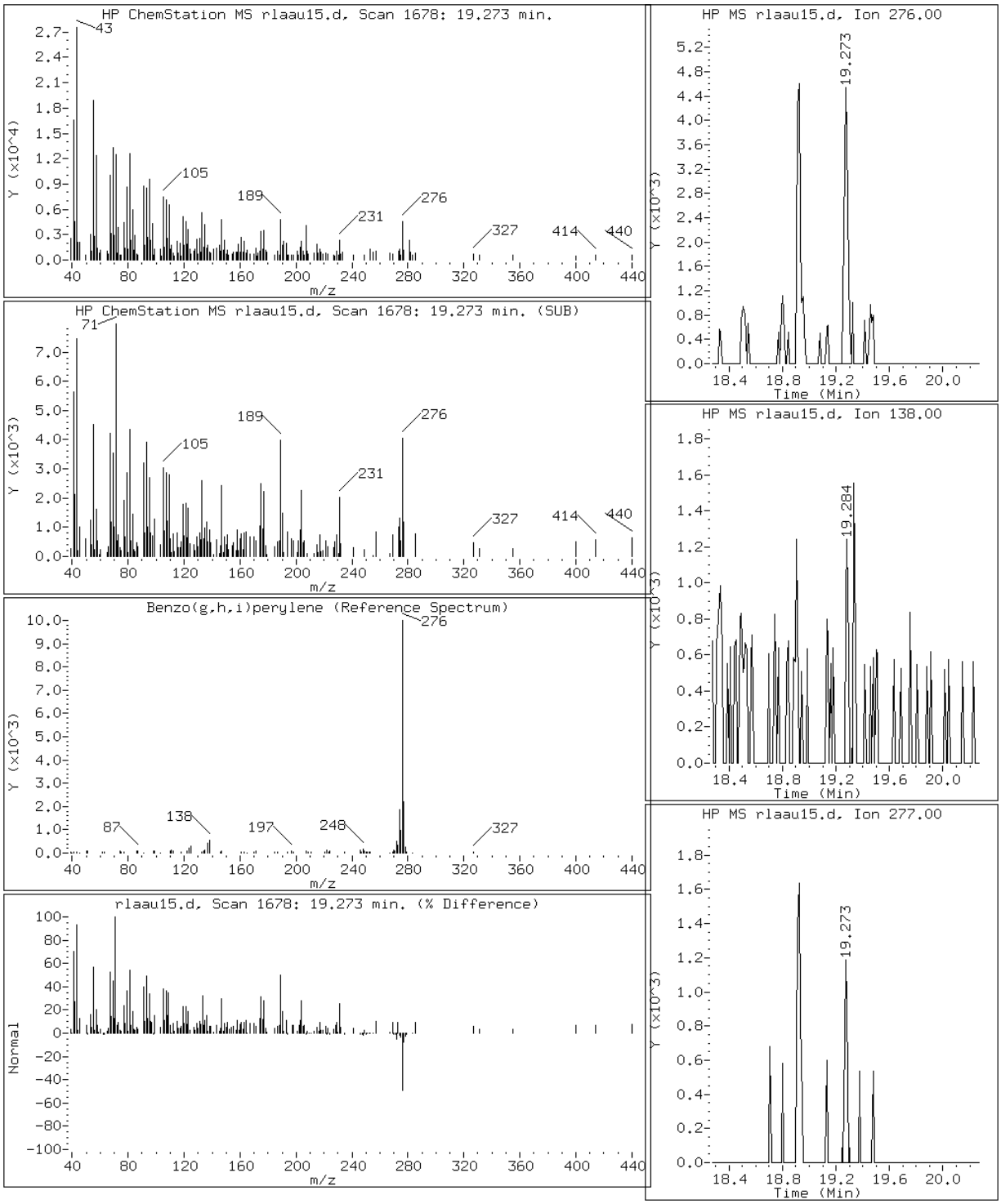
Data File: rlaau15.d

Lab Sample ID: 200-17642-3 Date: 21-AUG-2013 17:41

Client ID: TS004 (072413) Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

98 Benzo(g,h,i)perylene



Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAX09.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	28	J
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	110	J
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	3.3	J
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	95	J
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

EPA SAMPLE NO.
TS004 (072413)RE

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3
Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAX09.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013
GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	11	J
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamin [1]	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	45	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	19	J B
206-44-0	Fluoranthene	78	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	88	J B
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	51	J
218-01-9	Chrysene	71	J
117-81-7	Bis(2-ethylhexyl)phthalate	220	B
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo(b)fluoranthene	59	J
207-08-9	Benzo(k)fluoranthene	78	J
50-32-8	Benzo(a)pyrene	69	J
193-39-5	Indeno(1,2,3-cd)pyrene	25	J
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	24	J
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

[1] Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 30.8 (g/mL) g Lab File ID: RLAAX09.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

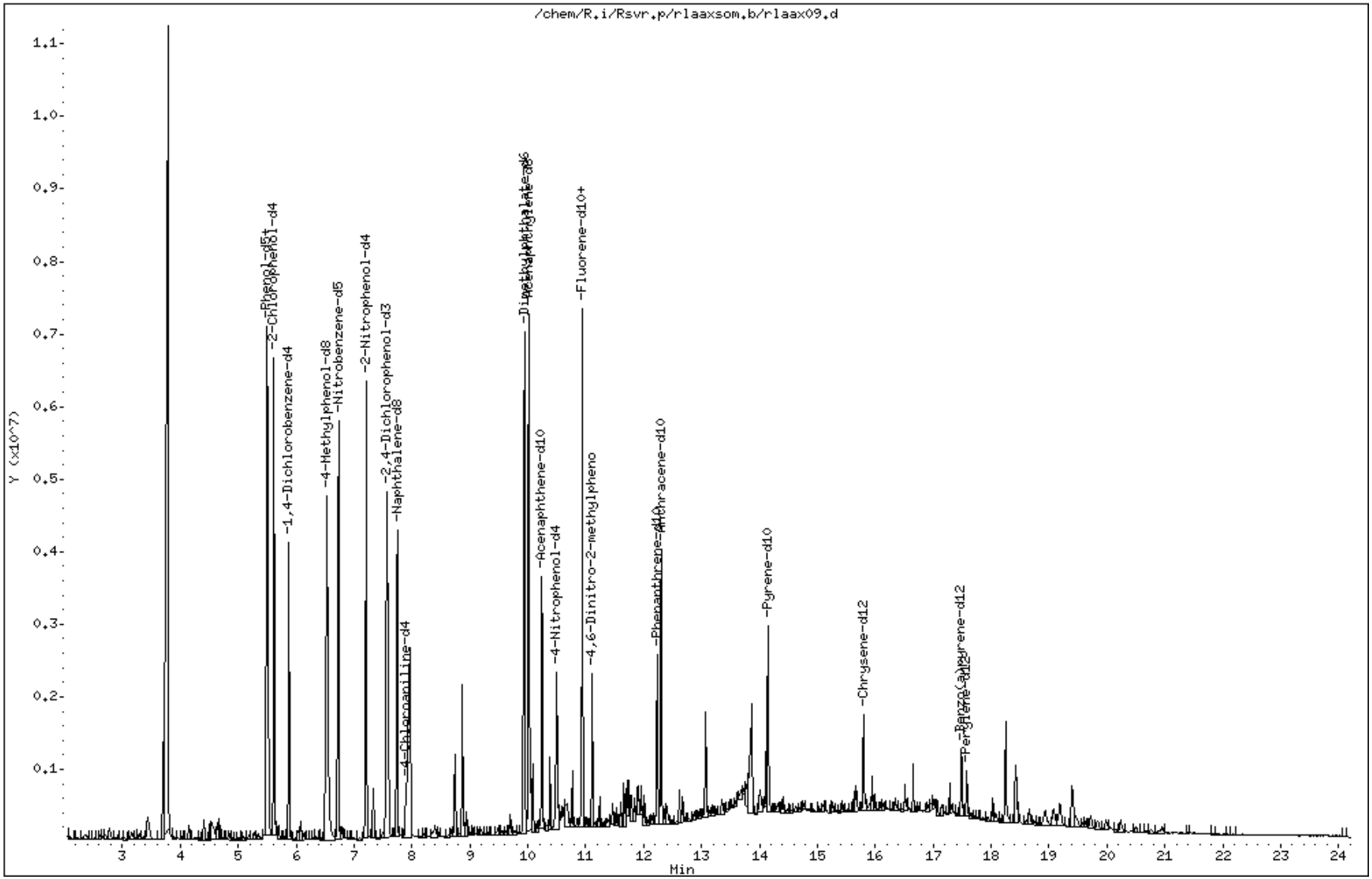
CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax09.d
Date : 22-AUG-2013 12:31
Client ID: TS004 (072413)RE
Sample Info: 200-17642-D-3-G
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)RE
Inj Date : 22-AUG-2013 12:31
Operator : djb Inst ID: R.i
Smp Info : 200-17642-D-3-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 26-Aug-2013 11:58 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
5	Benzaldehyde	77	5.273	5.254	(0.897)	22111	1.48208	0.74(aQM)
$ 6	Phenol-d5	71	5.499	5.480	(0.935)	1503292	69.6932	35(Q)
7	Phenol	94	Compound Not Detected.					
$ 8	Bis(2-chloroethyl)ether-d8	67	5.509	5.501	(0.937)	1019368	55.8865	28(Q)
9	Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 10	2-Chlorophenol-d4	132	5.622	5.603	(0.956)	1164672	50.6200	25
11	2-Chlorophenol	128	Compound Not Detected.					
* 12	1,4-Dichlorobenzene-d4	152	5.879	5.871	(1.000)	663810	40.0000	
14	2-Methylphenol	108	Compound Not Detected.					
15	2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 16	4-Methylphenol-d8	113	6.536	6.528	(1.112)	1068065	82.1499	41(R)
17	Acetophenone	105	6.505	6.507	(1.107)	204227	6.00937	3.0(aQ)
18	4-Methylphenol	108	Compound Not Detected.					
20	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
21	Hexachloroethane	116	Compound Not Detected.					
$ 22	Nitrobenzene-d5	128	6.731	6.733	(0.869)	623257	65.9948	33(Q)
23	Nitrobenzene	77	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	24 Isophorone	82	Compound Not Detected.					
$	25 2-Nitrophenol-d4	143	7.214	7.216	(0.931)	767847	64.6134	32
	26 2-Nitrophenol	139	Compound Not Detected.					
	27 2,4-Dimethylphenol	107	Compound Not Detected.					
	28 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	29 2,4-Dichlorophenol-d3	165	7.574	7.576	(0.977)	1306998	59.0210	30
	30 2,4-Dichlorophenol	162	Compound Not Detected.					
*	31 Naphthalene-d8	136	7.748	7.750	(1.000)	2020214	40.0000	
	32 Naphthalene	128	7.769	7.781	(1.003)	8281	0.17591	0.088(aQ)
$	33 4-Chloroaniline-d4	131	7.902	7.904	(1.020)	321485	14.0527	7.0
	34 4-Chloroaniline	127	Compound Not Detected.					
	35 Hexachlorobutadiene	224	Compound Not Detected.					
	36 Caprolactam	113	8.354	8.377	(1.078)	17426	4.99520	2.5(aQ)
	37 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	38 2-Methylnaphthalene	142	Compound Not Detected.					
	39 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	40 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	41 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	42 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	43 1,1'-Biphenyl	154	Compound Not Detected.					
	45 2-Chloronaphthalene	162	Compound Not Detected.					
	46 2-Nitroaniline	65	Compound Not Detected.					
$	47 Dimethylphthalate-d6	166	9.947	9.949	(0.971)	3125153	74.4367	37
	48 Dimethylphthalate	163	Compound Not Detected.					
	51 2,6-Dinitrotoluene	165	Compound Not Detected.					
$	49 Acenaphthylene-d8	160	10.018	10.021	(0.978)	3208874	68.4906	34
	50 Acenaphthylene	152	Compound Not Detected.					
	52 3-Nitroaniline	138	Compound Not Detected.					
*	53 Acenaphthene-d10	164	10.244	10.257	(1.000)	937229	40.0000	
	54 Acenaphthene	153	Compound Not Detected.					
	55 2,4-Dinitrophenol	184	Compound Not Detected.					
$	56 4-Nitrophenol-d4	143	10.501	10.503	(1.025)	186657	44.4432	22(Q)
	57 4-Nitrophenol	109	Compound Not Detected.					
	58 Dibenzofuran	168	Compound Not Detected.					
	60 2,4-Dinitrotoluene	165	Compound Not Detected.					
	61 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	62 Diethylphthalate	149	10.943	10.945	(1.068)	22771	0.57932	0.29(aQ)
$	63 Fluorene-d10	176	10.943	10.945	(1.068)	1860970	66.1938	33
	64 Fluorene	166	Compound Not Detected.					
	65 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	66 4-Nitroaniline	138	Compound Not Detected.					
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.118	11.120	(0.908)	271543	69.9078	35(Q)
	68 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	69 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	70 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	71 Hexachlorobenzene	283	Compound Not Detected.					
	72 Atrazine	200	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	73 Pentachlorophenol	265	Compound Not Detected.					
*	74 Phenanthrene-d10	188	12.237	12.239	(1.000)	853040	40.0000	
	75 Phenanthrene	178	12.268	12.270	(1.003)	49784	2.37675	1.2(a)
$	76 Anthracene-d10	188	12.309	12.311	(1.006)	1652230	69.8031	35
	77 Anthracene	178	Compound Not Detected.					
	78 Carbazole	167	Compound Not Detected.					
	79 Di-n-butylphthalate	149	13.141	13.143	(1.074)	29301	0.98073	0.49(a)
	80 Fluoranthene	202	13.871	13.873	(1.133)	90003	4.09155	2.0(a)
$	82 Pyrene-d10	212	14.148	14.150	(0.895)	1052205	79.2252	40
	83 Pyrene	202	14.169	14.171	(0.897)	83115	6.70382	3.4(aM)
	84 Butylbenzylphthalate	149	15.134	15.136	(0.958)	32636	4.62743	2.3(aQ)
	85 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	86 Benzo(a)anthracene	228	15.781	15.784	(0.999)	34301	2.70940	1.4(a)
*	87 Chrysene-d12	240	15.802	15.804	(1.000)	528386	40.0000	
	88 Chrysene	228	15.833	15.835	(1.002)	42986	3.74225	1.9(a)
	89 Bis(2-ethylhexyl)phthalate	149	15.946	15.948	(1.009)	104612	11.7573	5.9
	90 Di-n-octylphthalate	149	Compound Not Detected.					
	91 Benzo(b)fluoranthene	252	17.137	17.150	(0.975)	23271	3.08481	1.5(aH)
	92 Benzo(k)fluoranthene	252	17.158	17.170	(0.976)	31299	4.09473	2.0(aM)
$	93 Benzo(a)pyrene-d12	264	17.487	17.499	(0.995)	454670	67.9821	34
	94 Benzo(a)pyrene	252	17.517	17.520	(0.996)	23765	3.63766	1.8(a)
*	95 Perylene-d12	264	17.579	17.581	(1.000)	269754	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.853	18.865	(1.072)	9775	1.29899	0.65(a)
	97 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	98 Benzo(g,h,i)perylene	276	19.202	19.215	(1.092)	7914	1.25343	0.63(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)RE
Inj Date : 22-AUG-2013 12:31
Operator : djb Inst ID: R.i
Smp Info : 200-17642-D-3-G
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 26-Aug-2013 11:58 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

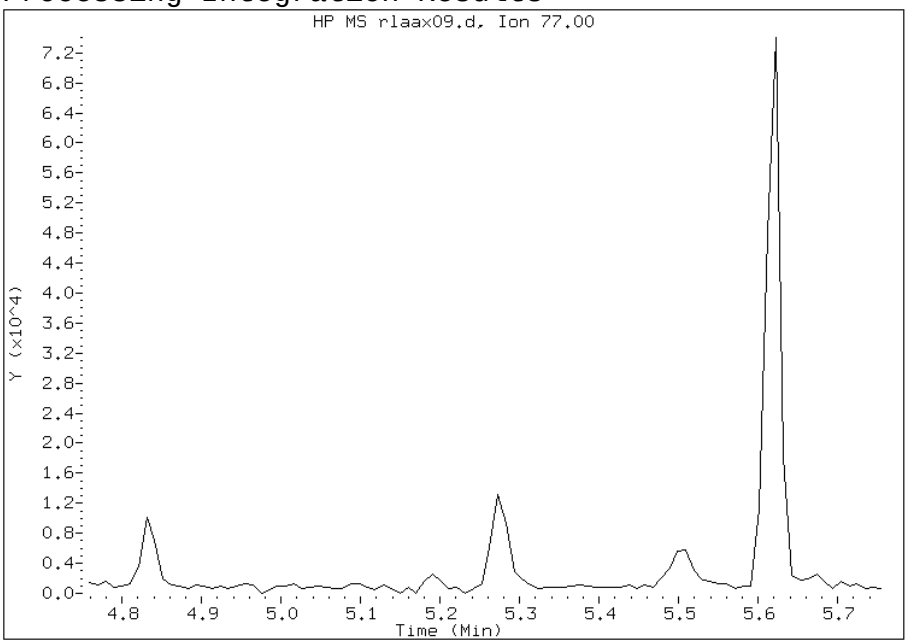
Manual Integration Report

Data File: rlaax09.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 22-AUG-2013 12:31
Instrument ID: R.i
Client ID: TS004 (072413)RE
Compound: 5 Benzaldehyde
CAS #: 100-52-7
Report Date: 08/26/2013

Processing Integration Results

Not Detected

Expected RT: 5.25



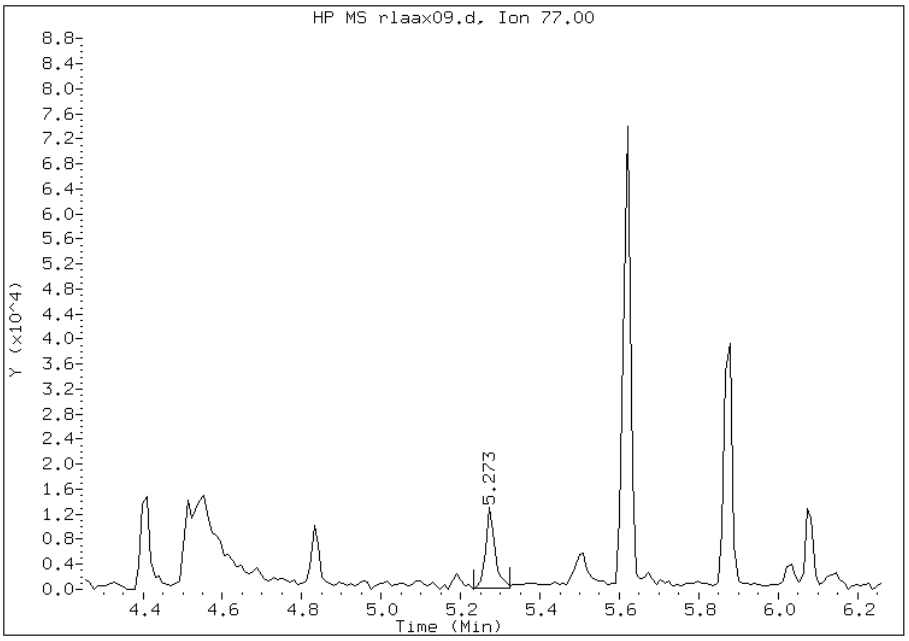
Manual Integration Results

RT: 5.27

Response: 22111

Amount: 1.48

Conc: 0.741042



File Uploaded By: je
Manual Integration Reason: Analyte not identified by the data system

Manual Integration Report

Data File: rlaax09.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 22-AUG-2013 12:31
Instrument ID: R.i
Client ID: TS004 (072413)RE
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/26/2013

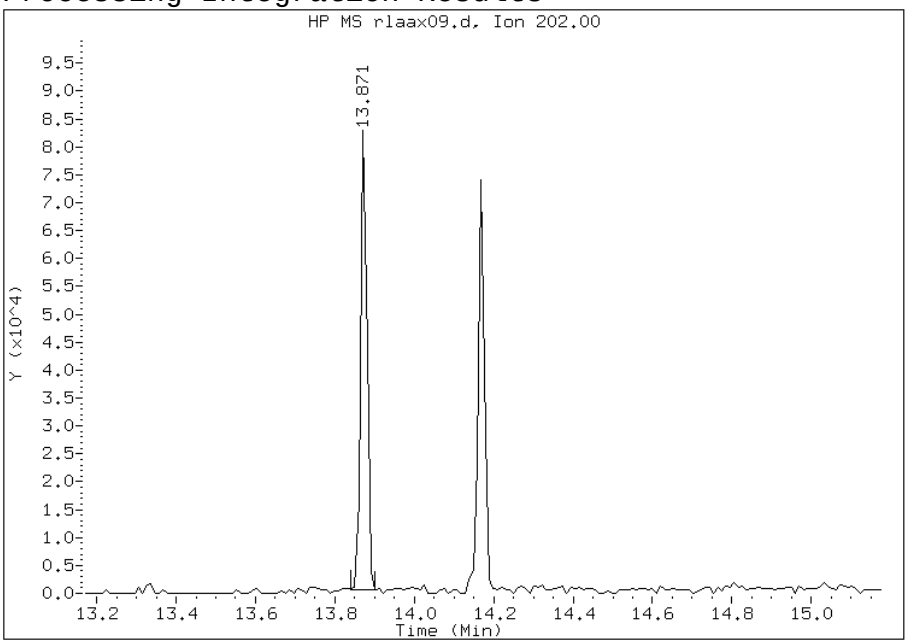
Processing Integration Results

RT: 13.87

Response: 90003

Amount: 7.26

Conc: 3.63



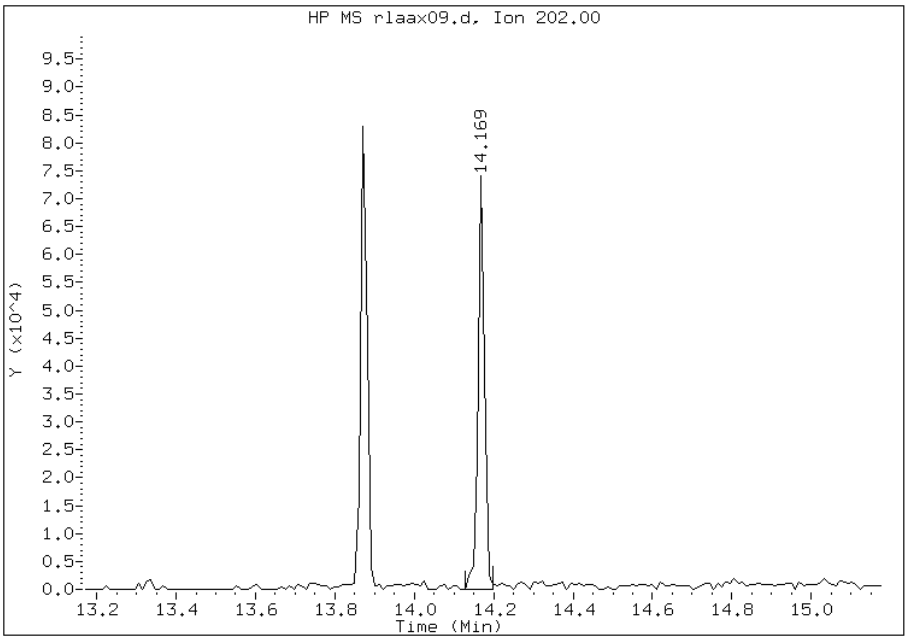
Manual Integration Results

RT: 14.17

Response: 83115

Amount: 6.70

Conc: 3.35



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: rlaax09.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 22-AUG-2013 12:31
Instrument ID: R.i
Client ID: TS004 (072413)RE
Compound: 92 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/26/2013

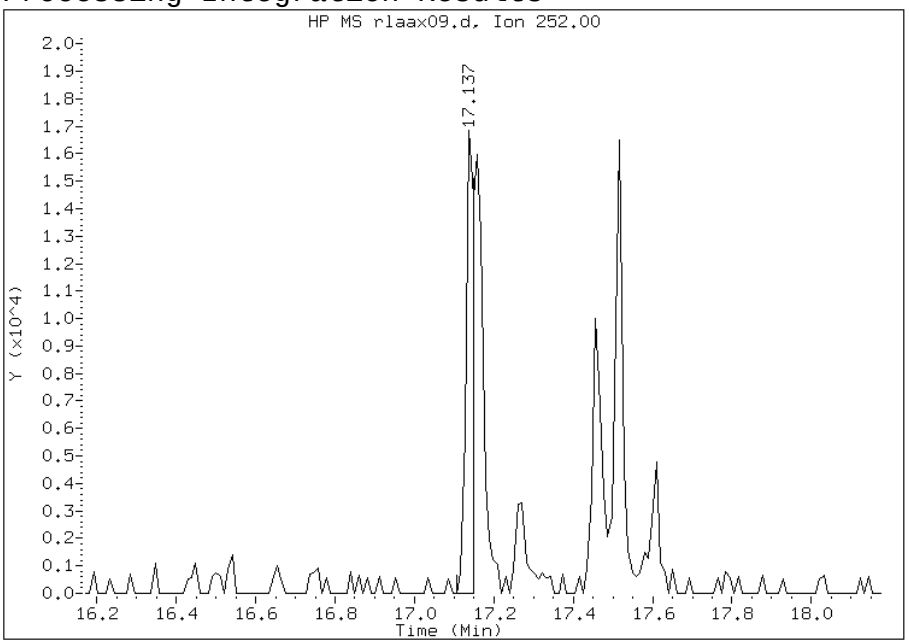
Processing Integration Results

RT: 17.14

Response: 23271

Amount: 3.04

Conc: 1.52



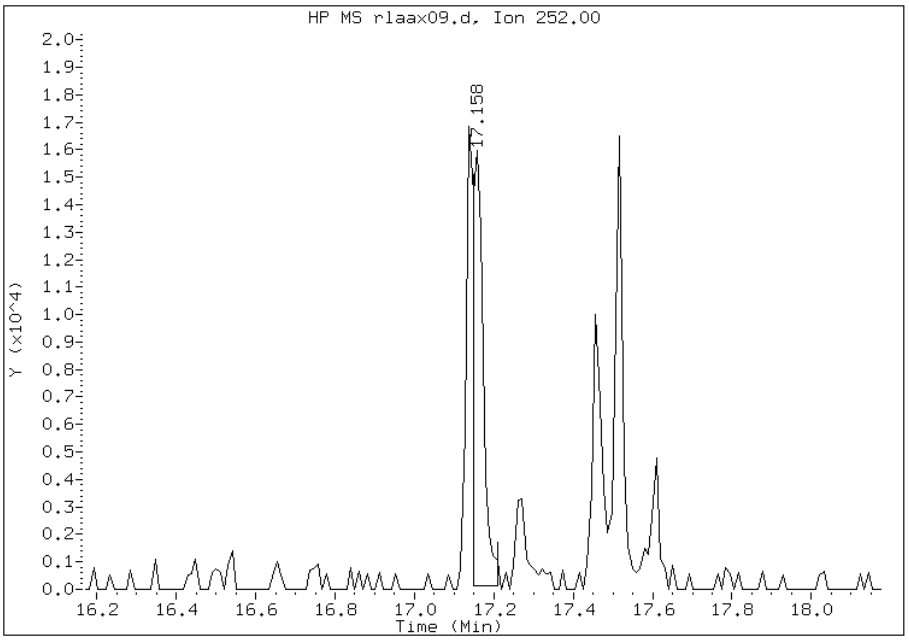
Manual Integration Results

RT: 17.16

Response: 31299

Amount: 4.09

Conc: 2.05



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

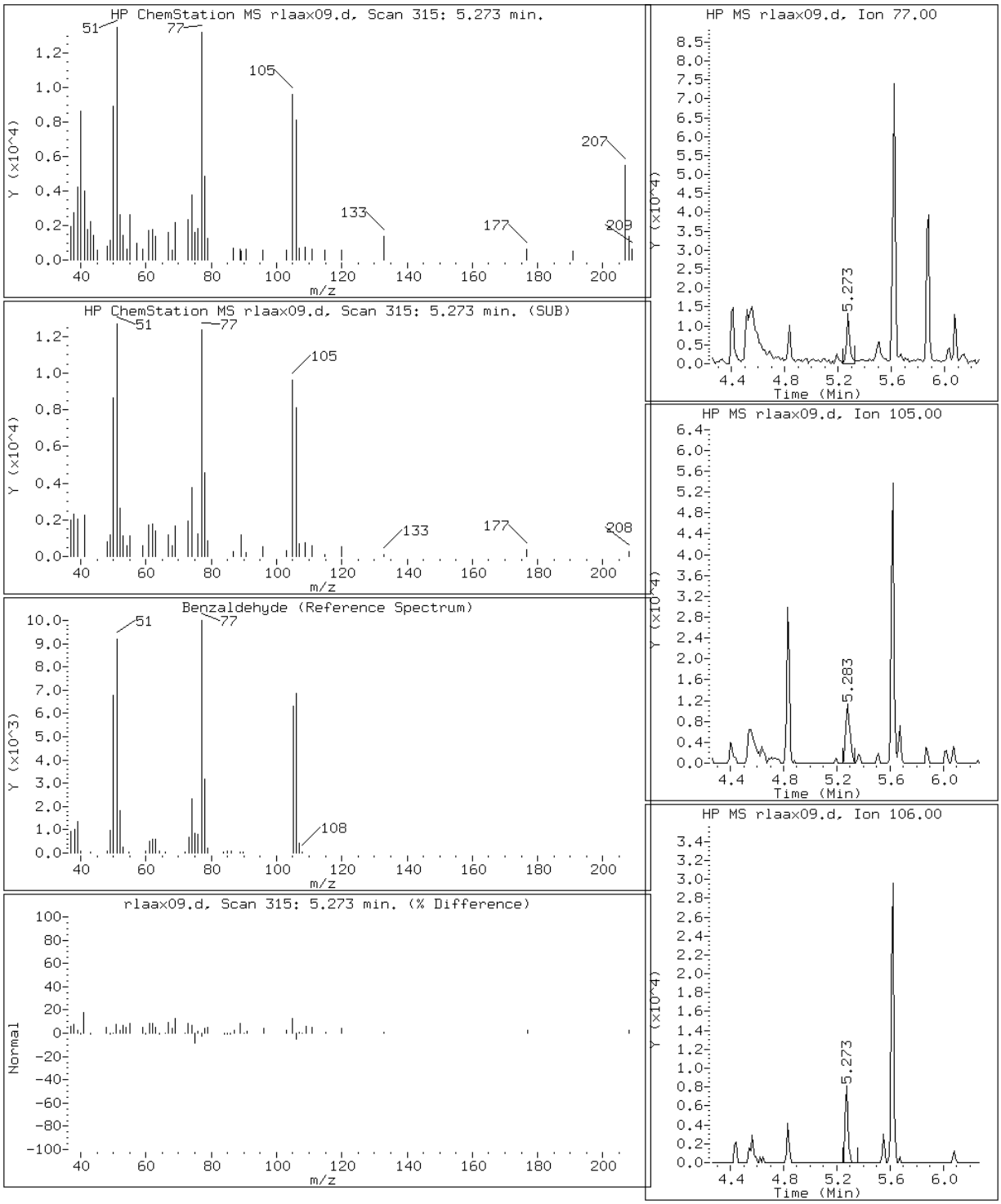
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

5 Benzaldehyde



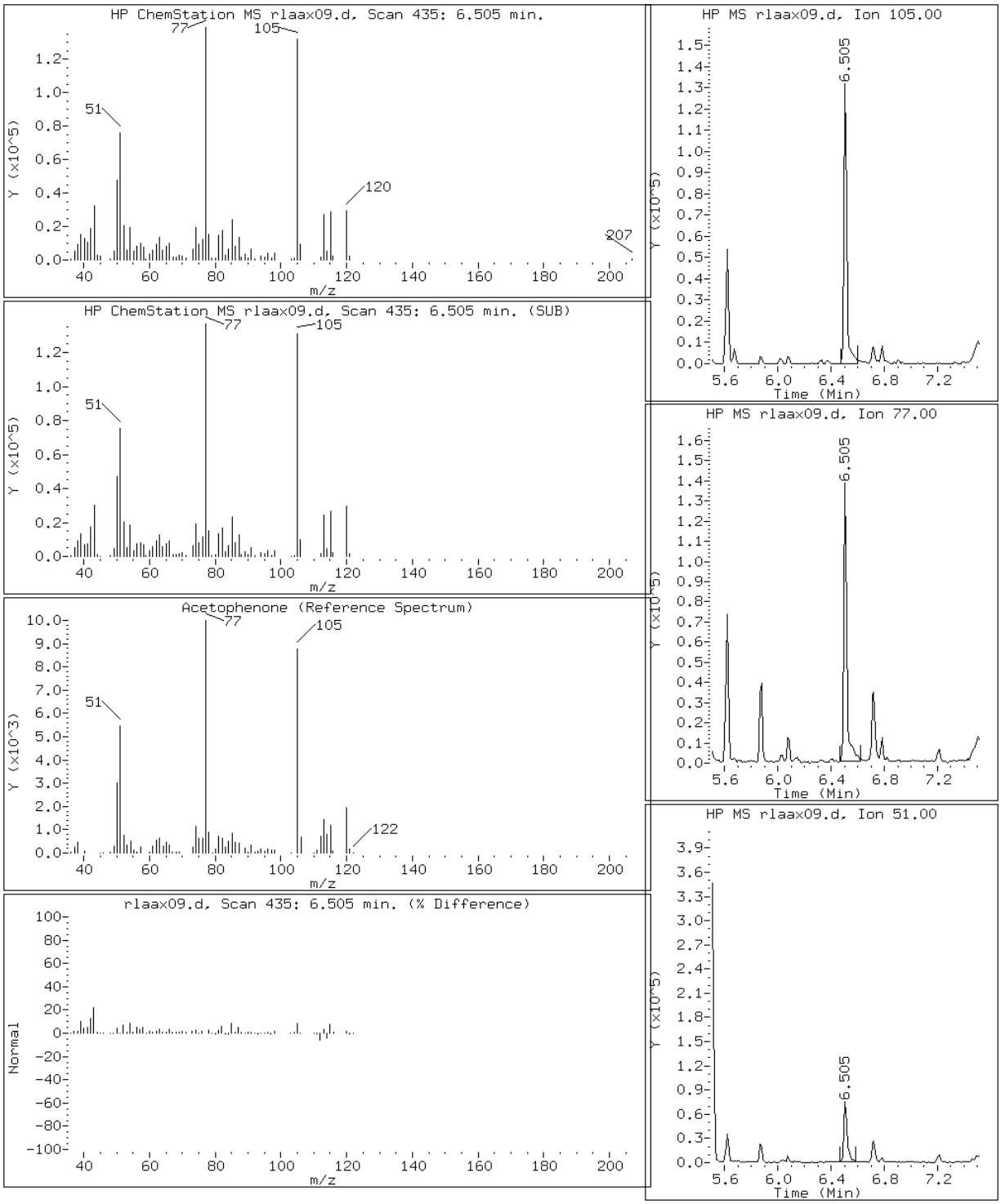
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

17 Acetophenone



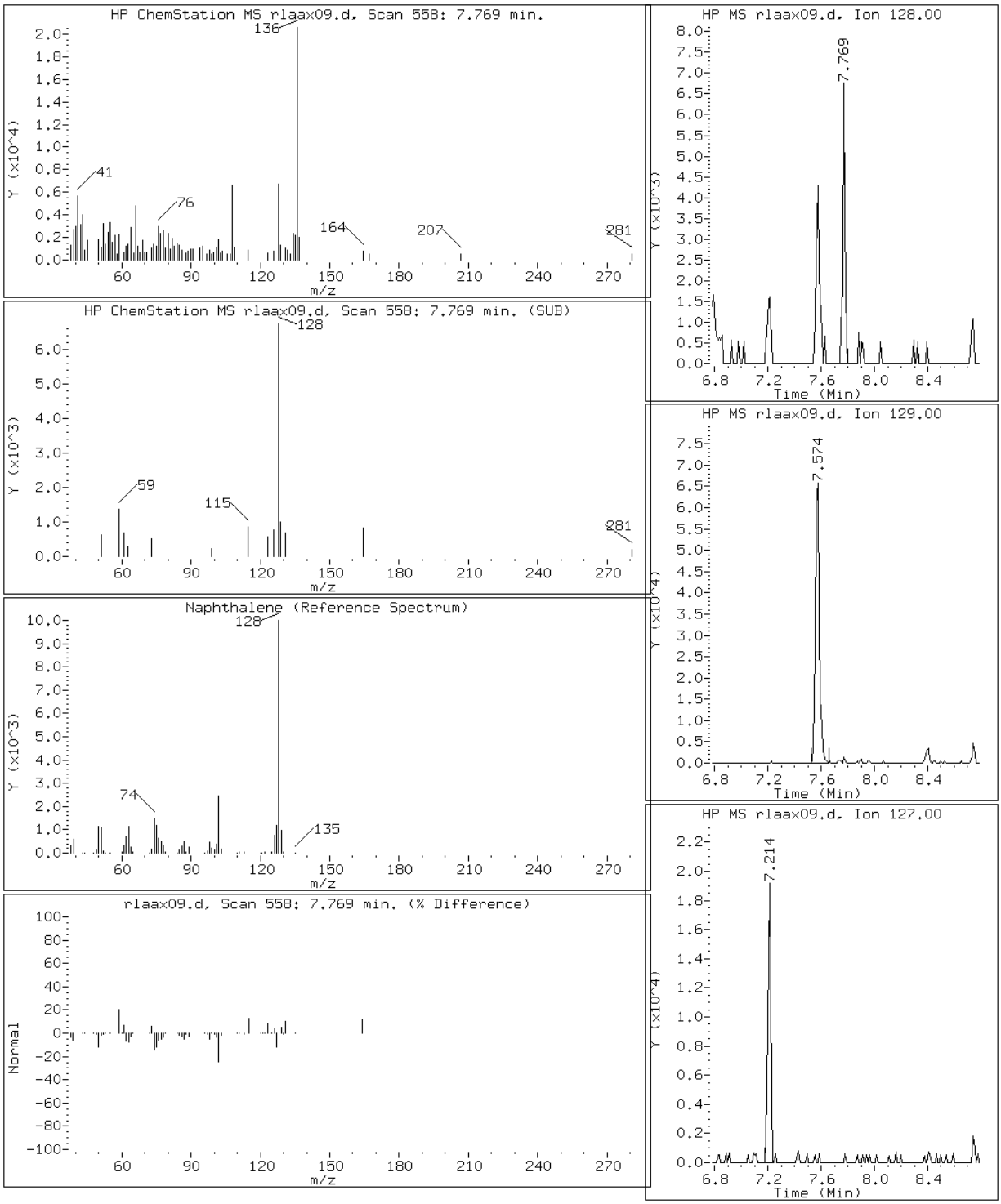
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

32 Naphthalene



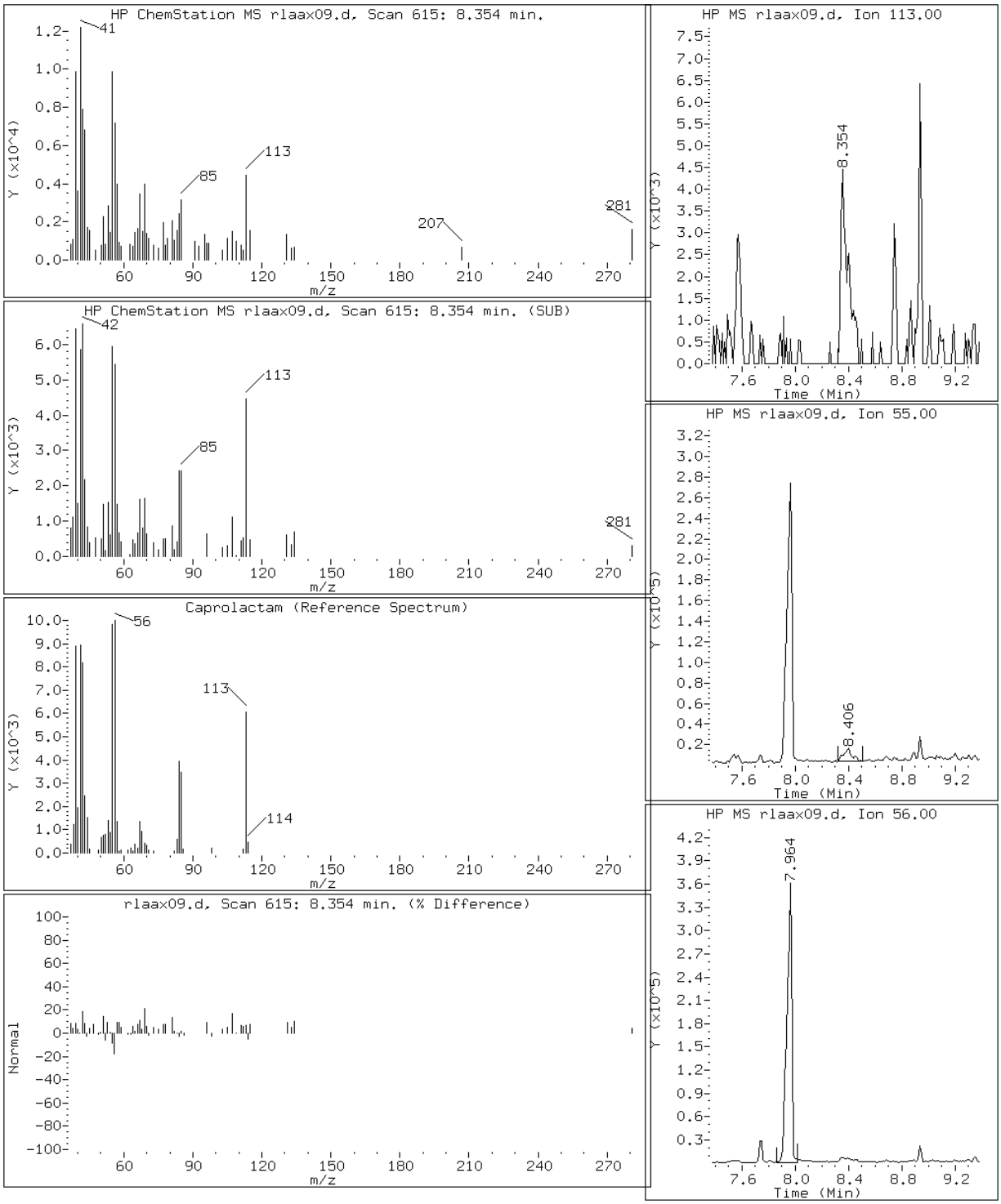
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

36 Caprolactam



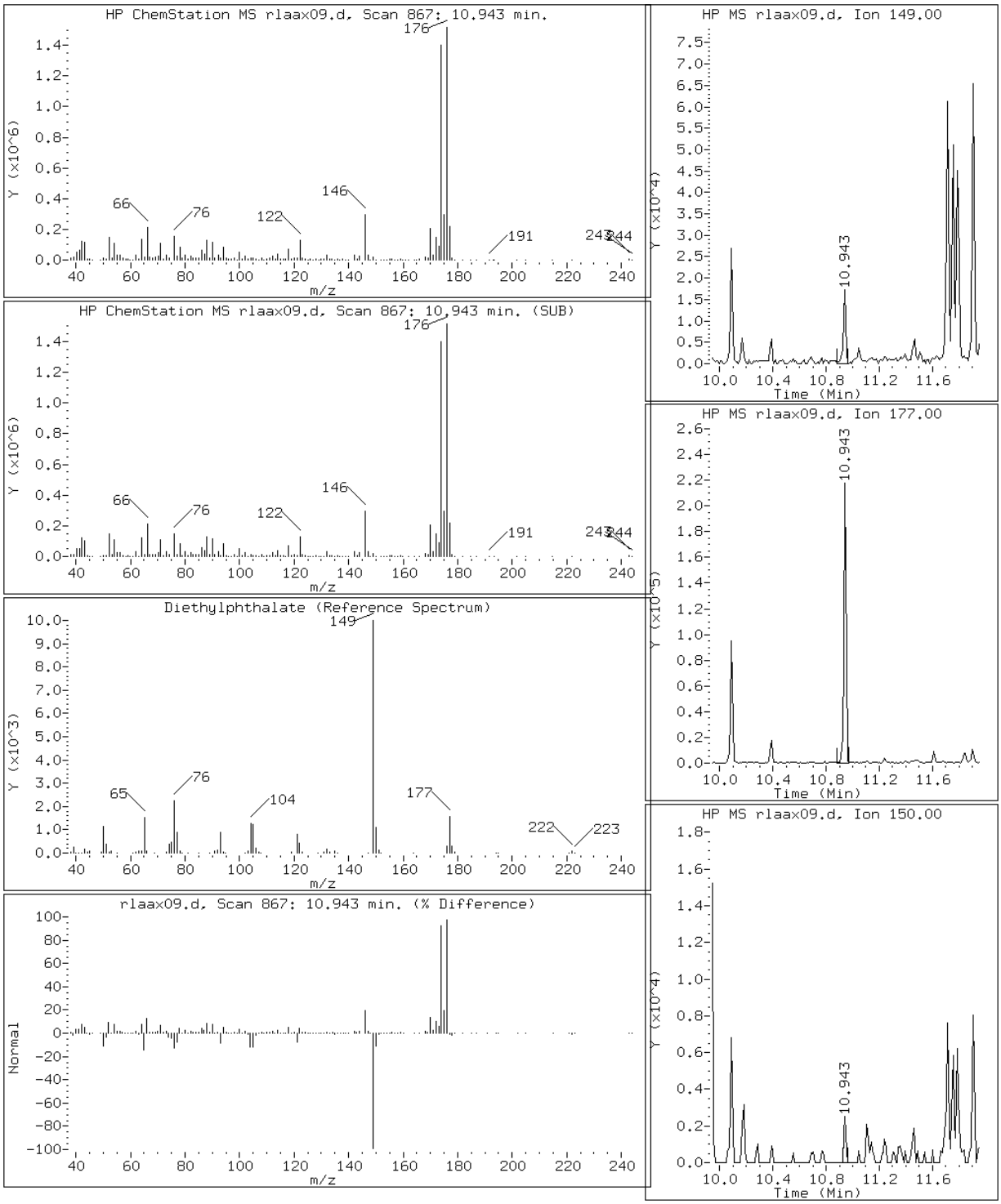
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

62 Diethylphthalate



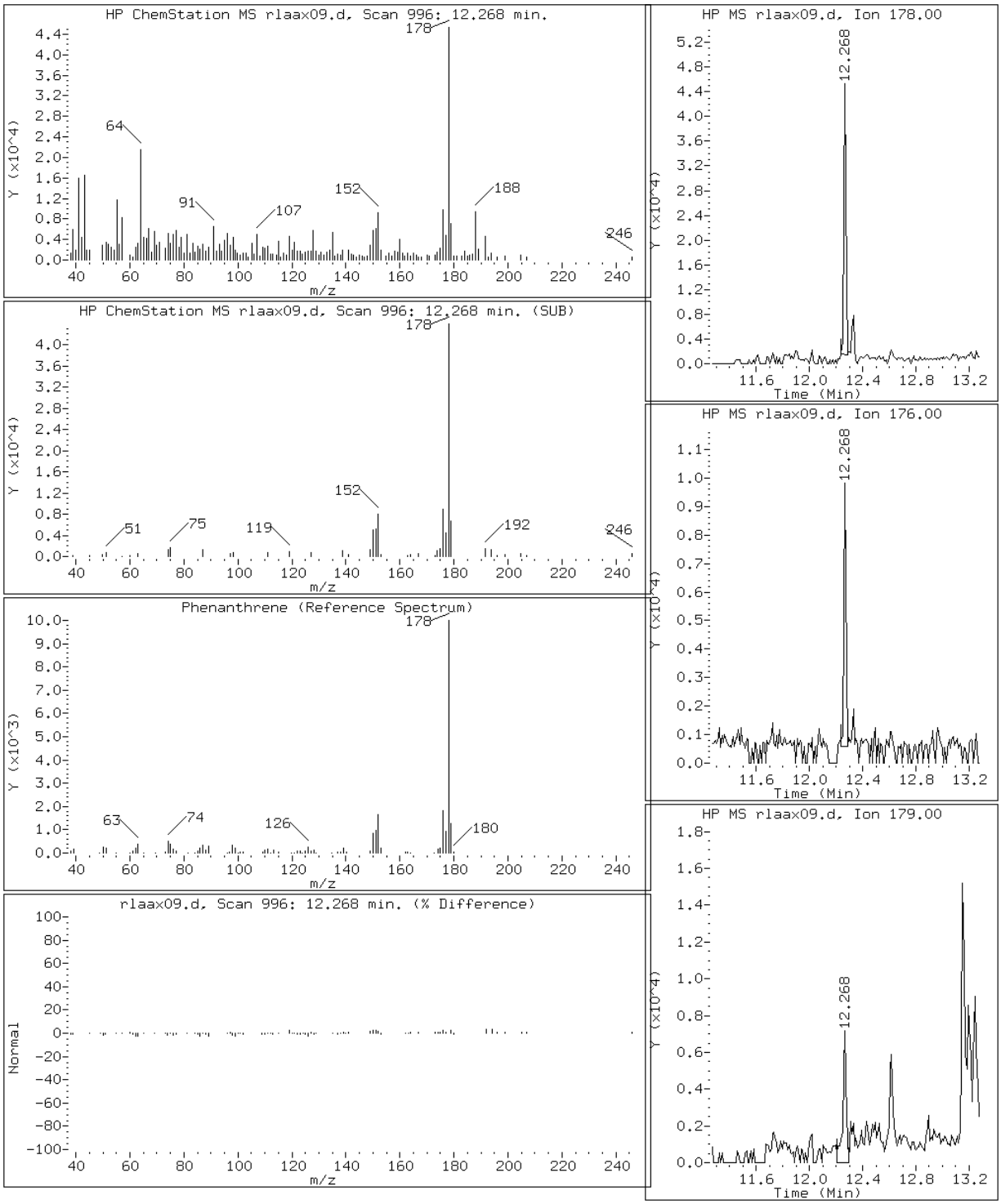
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

75 Phenanthrene



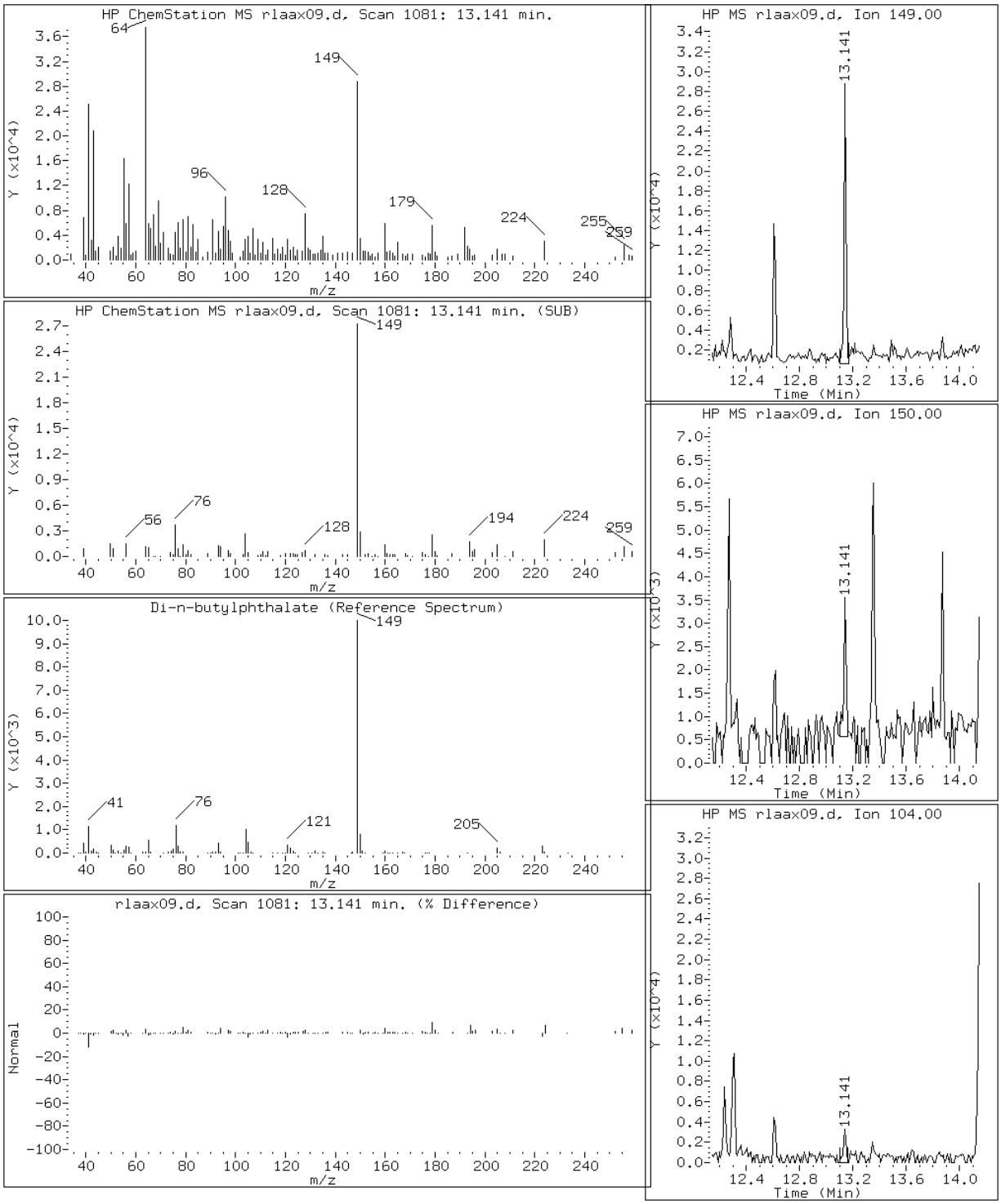
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

79 Di-n-butylphthalate



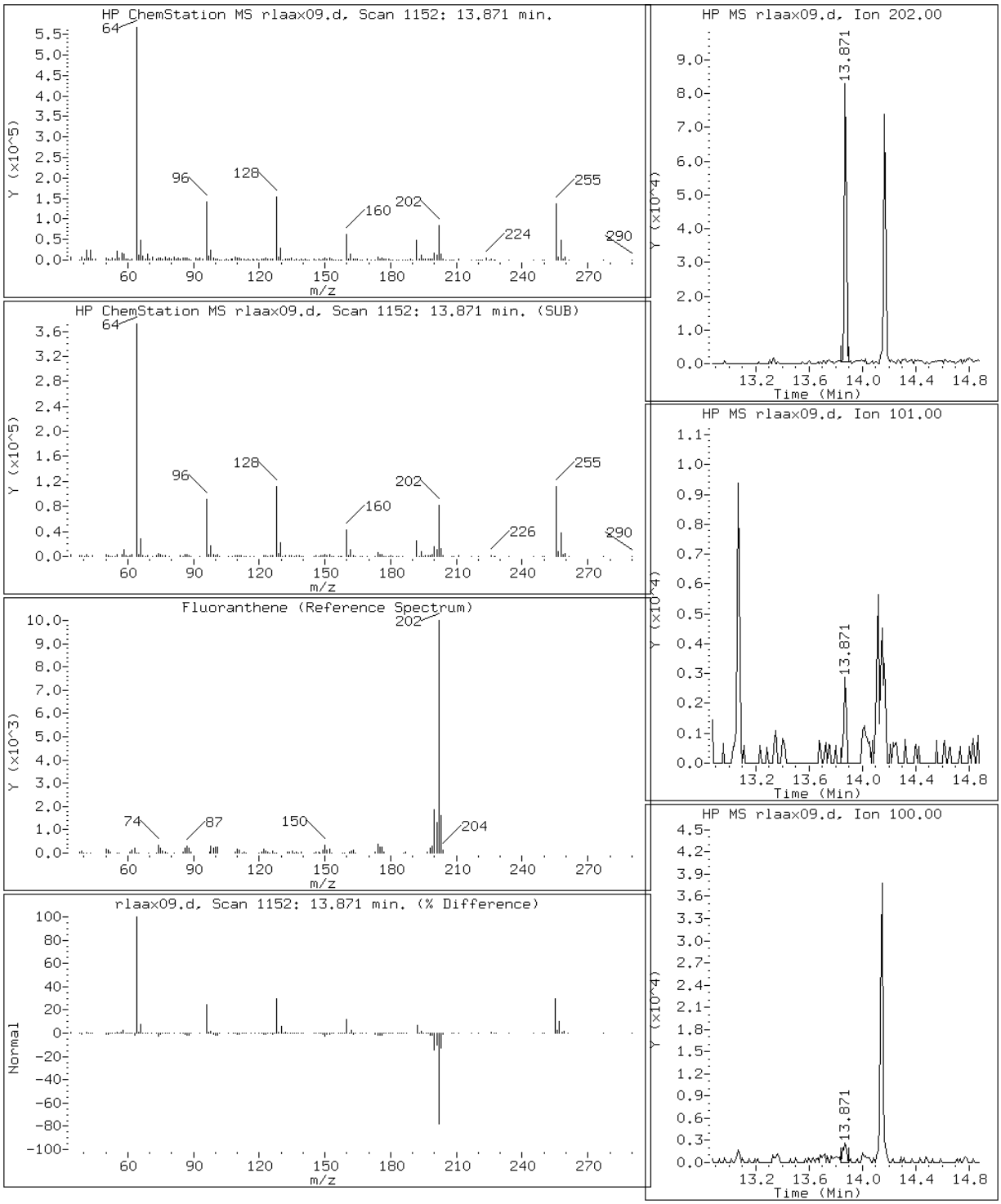
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

80 Fluoranthene



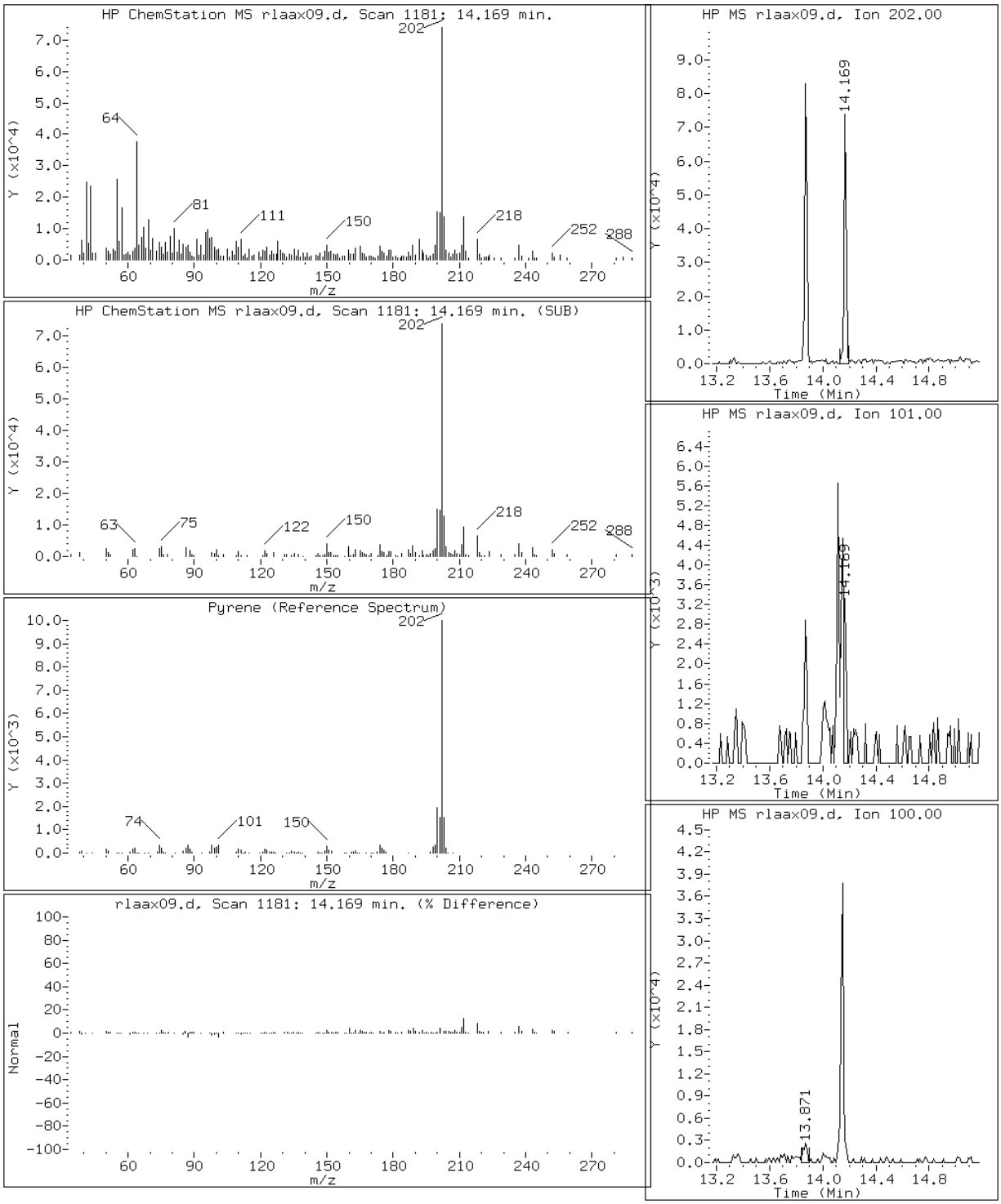
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

83 Pyrene



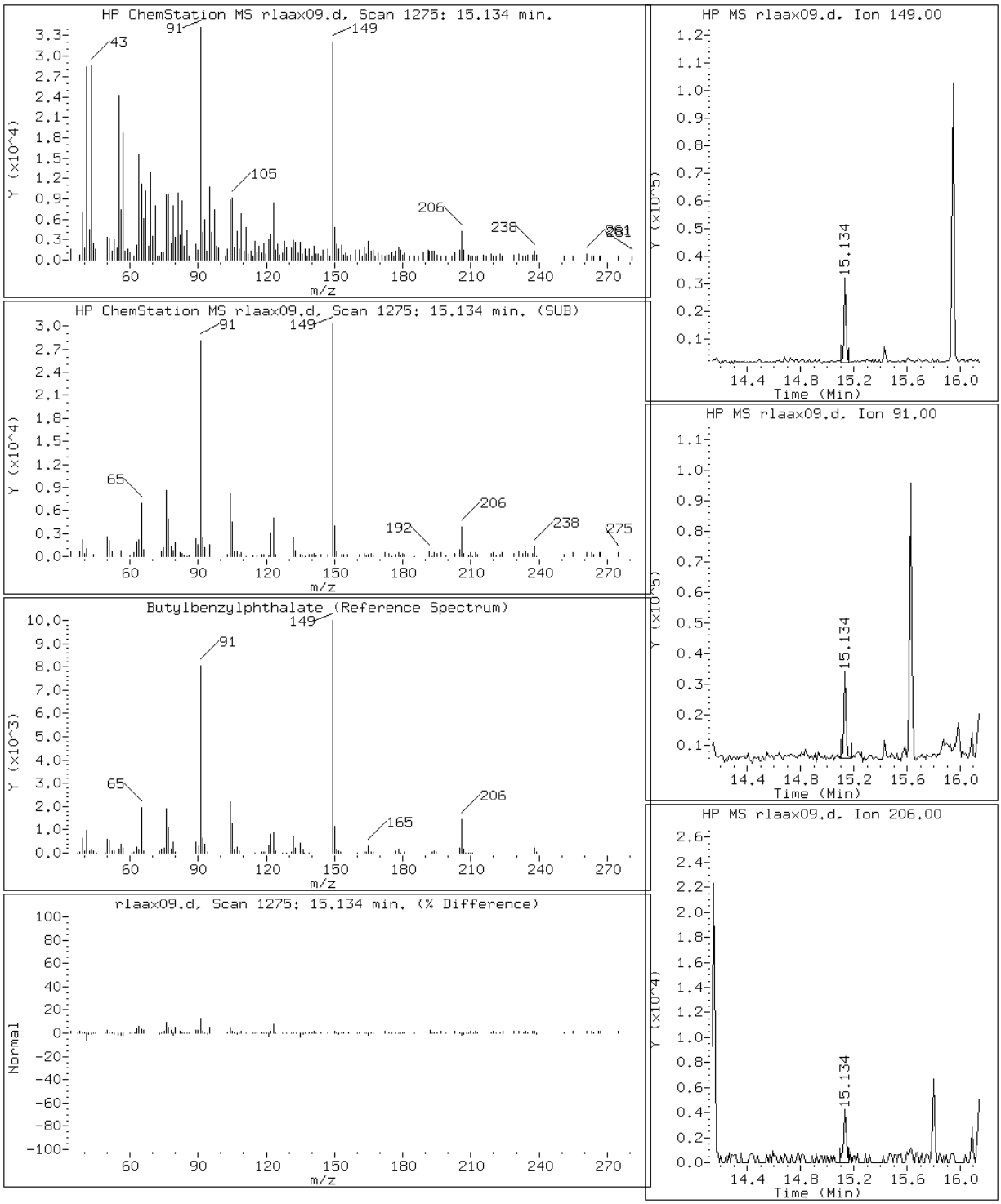
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

84 Butylbenzylphthalate



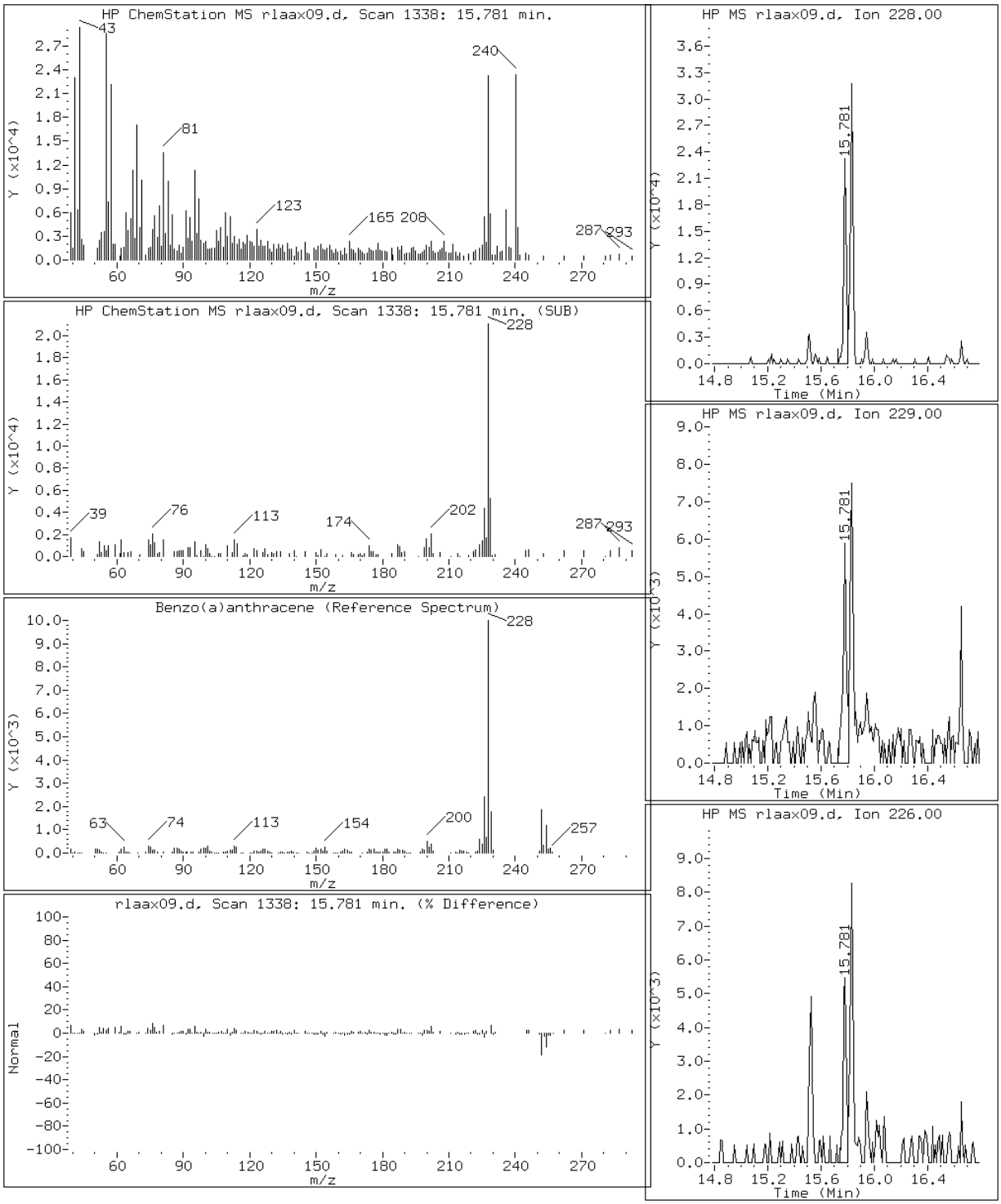
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

86 Benzo(a)anthracene



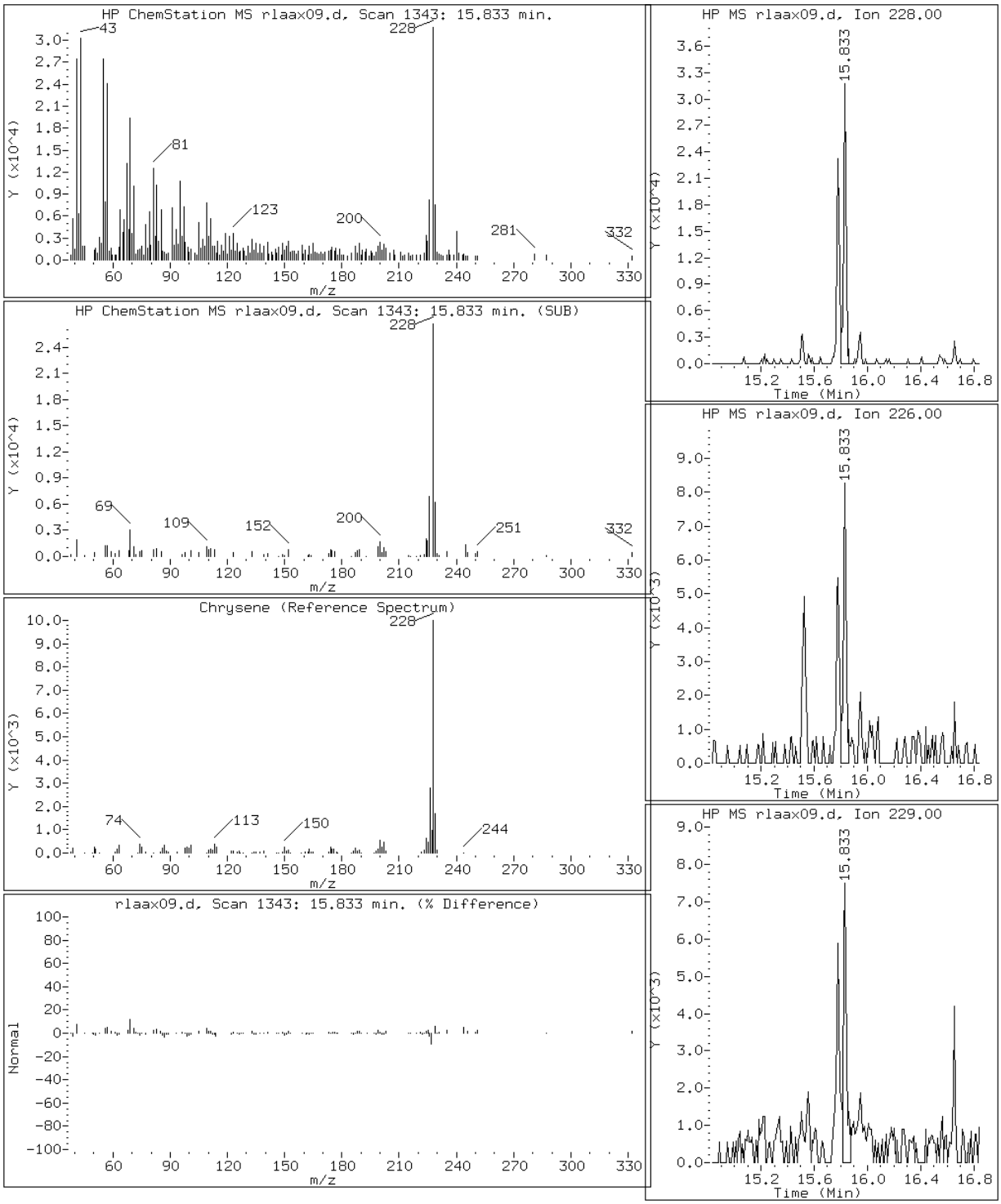
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

88 Chrysene



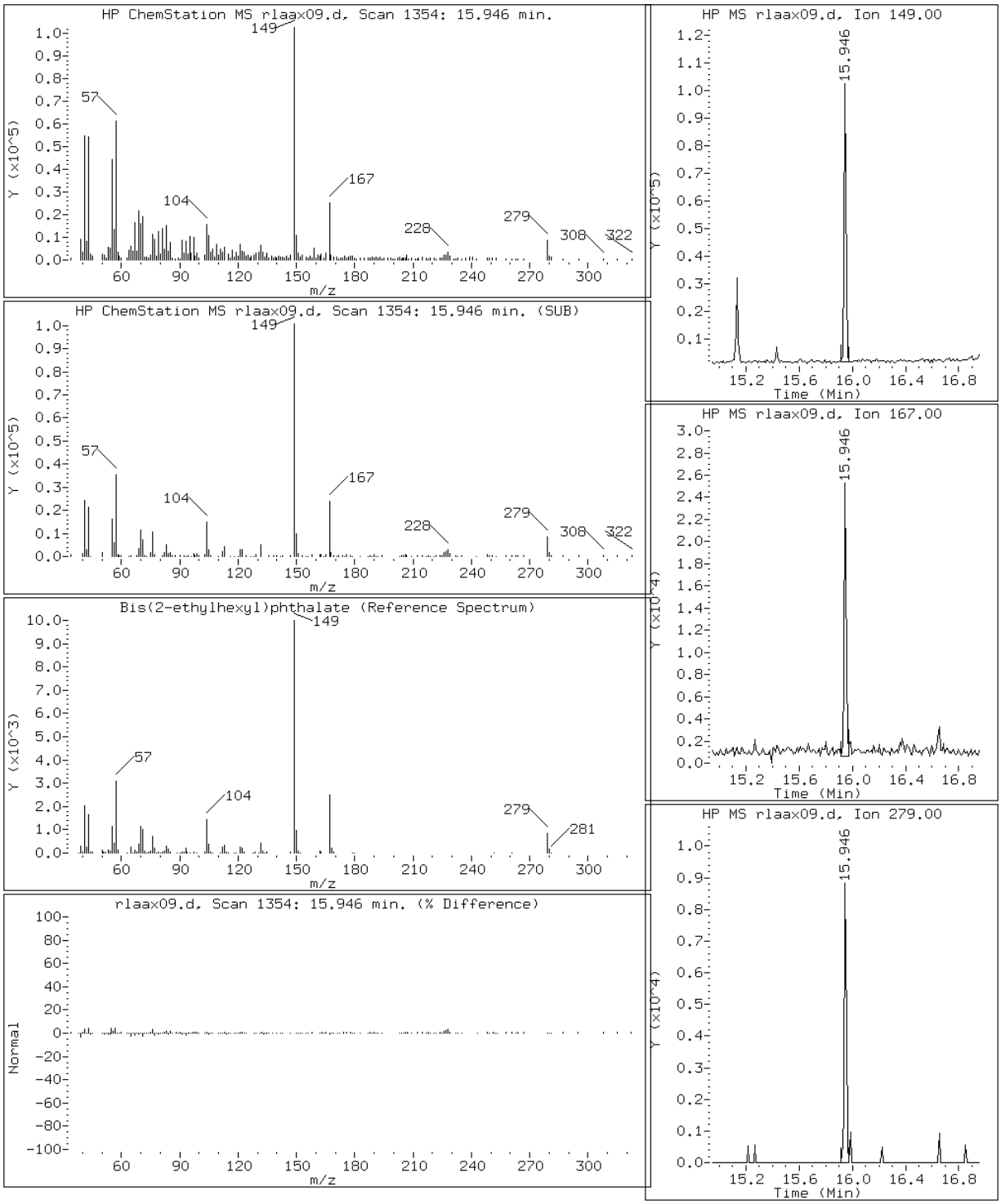
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

89 Bis(2-ethylhexyl)phthalate



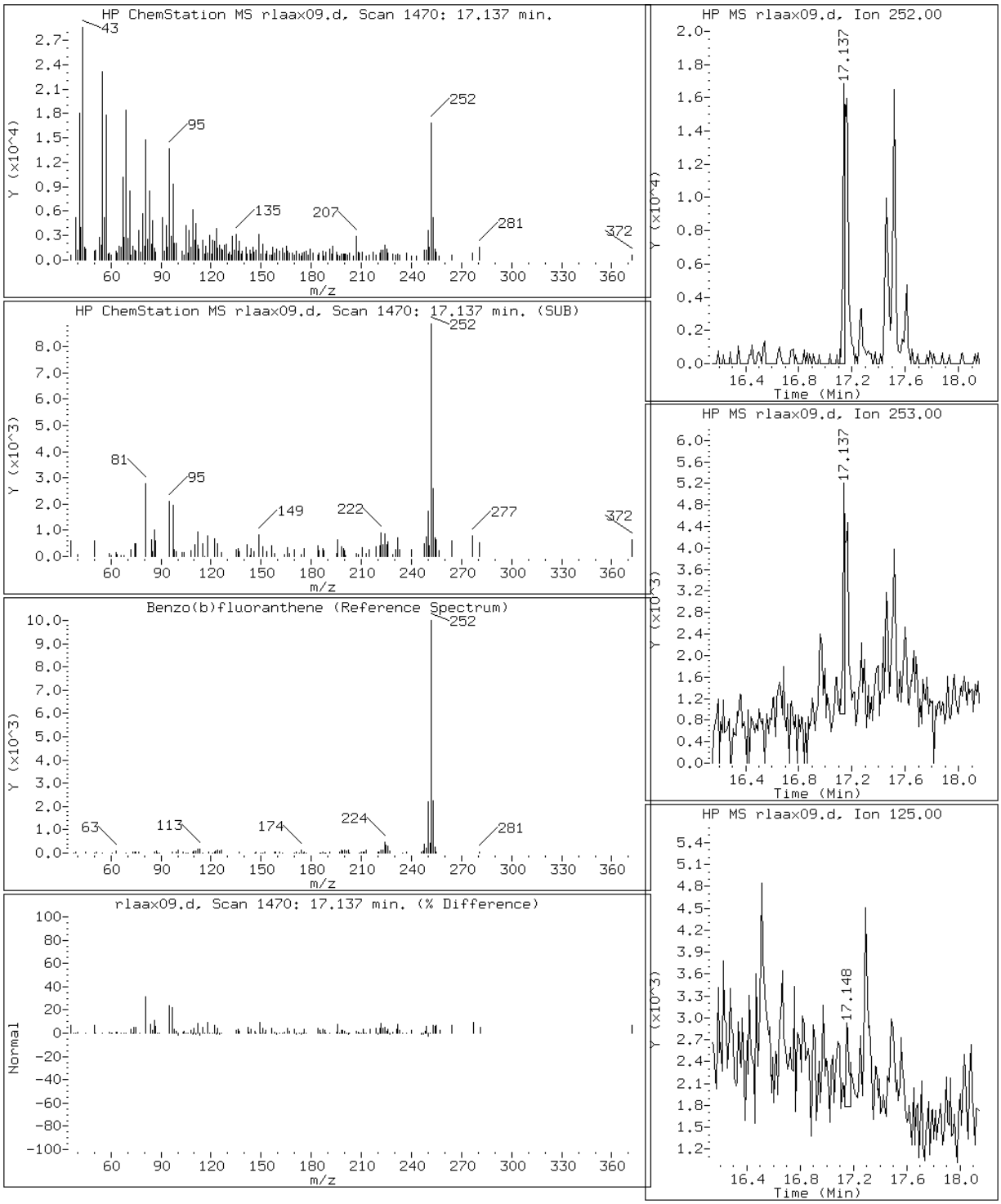
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

91 Benzo(b)fluoranthene



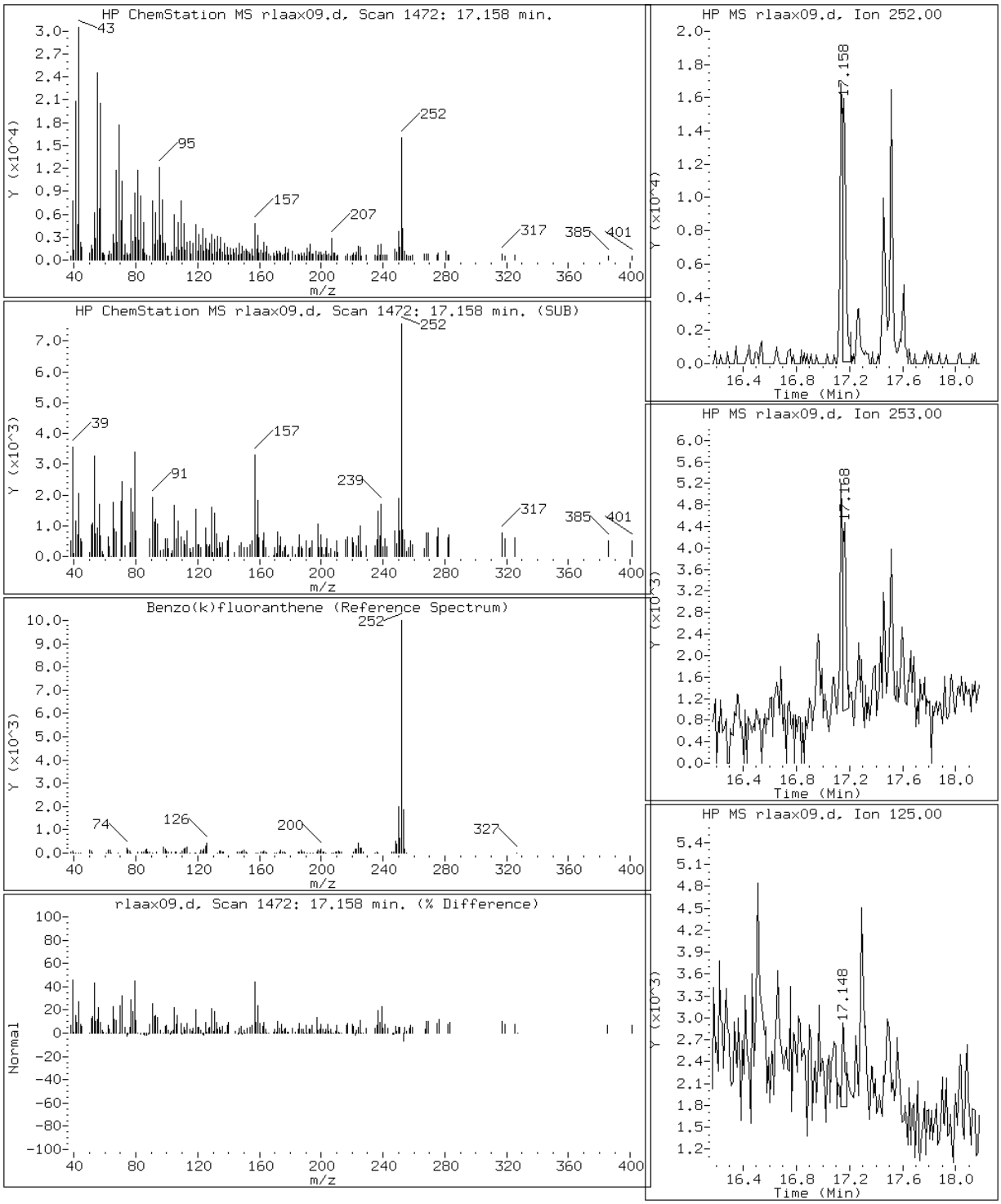
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

92 Benzo(k)fluoranthene



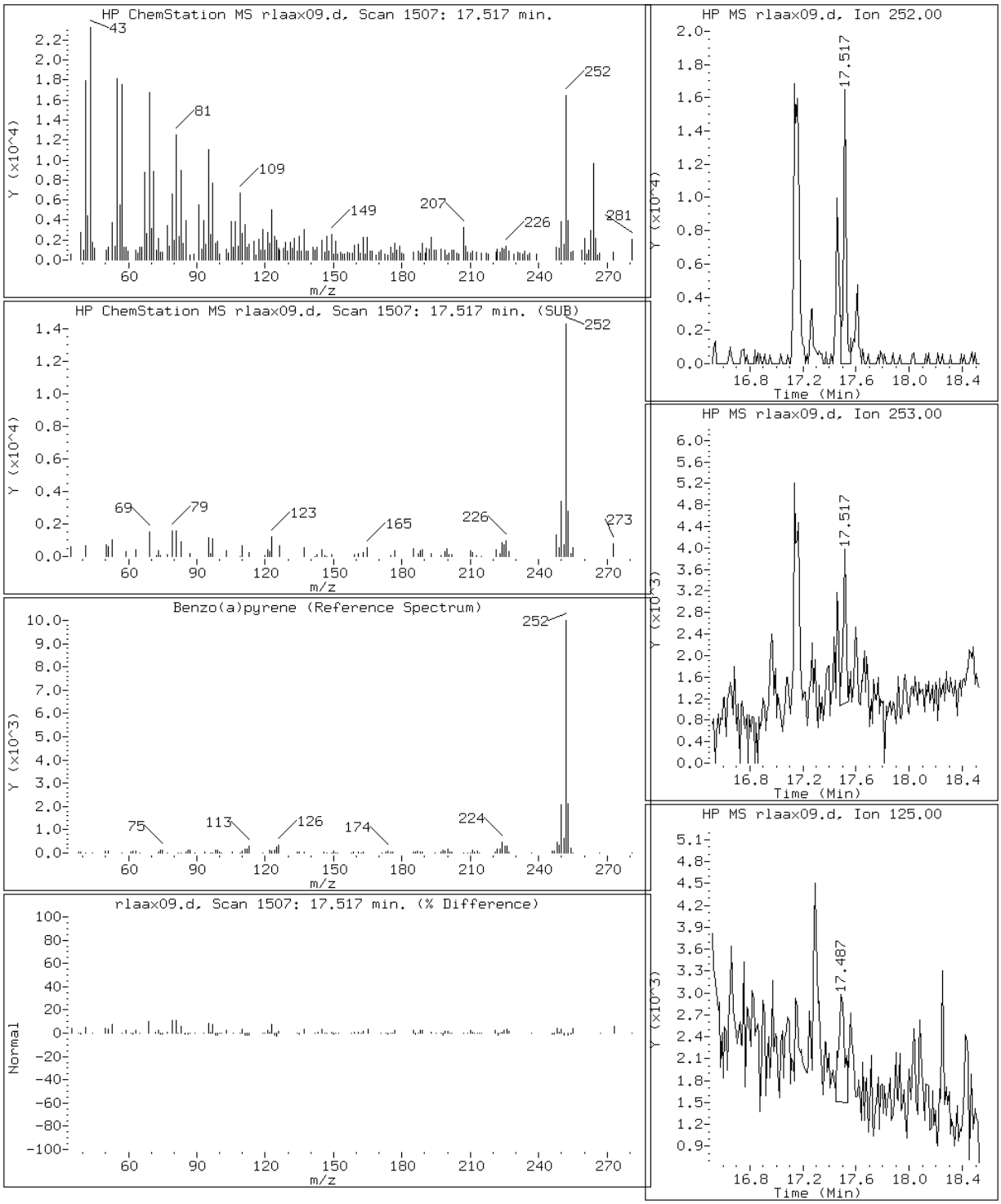
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

94 Benzo(a)pyrene



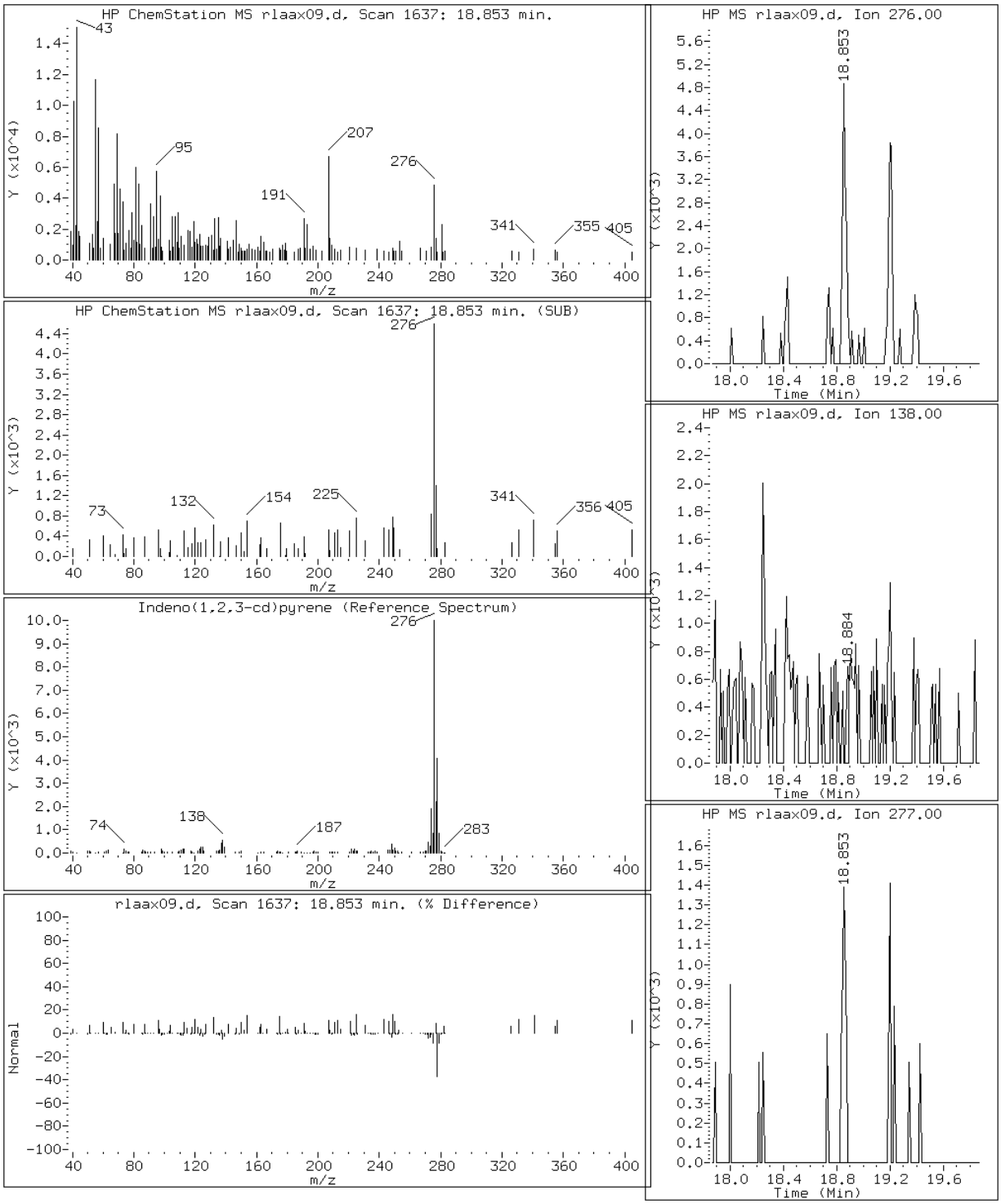
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

96 Indeno(1,2,3-cd)pyrene



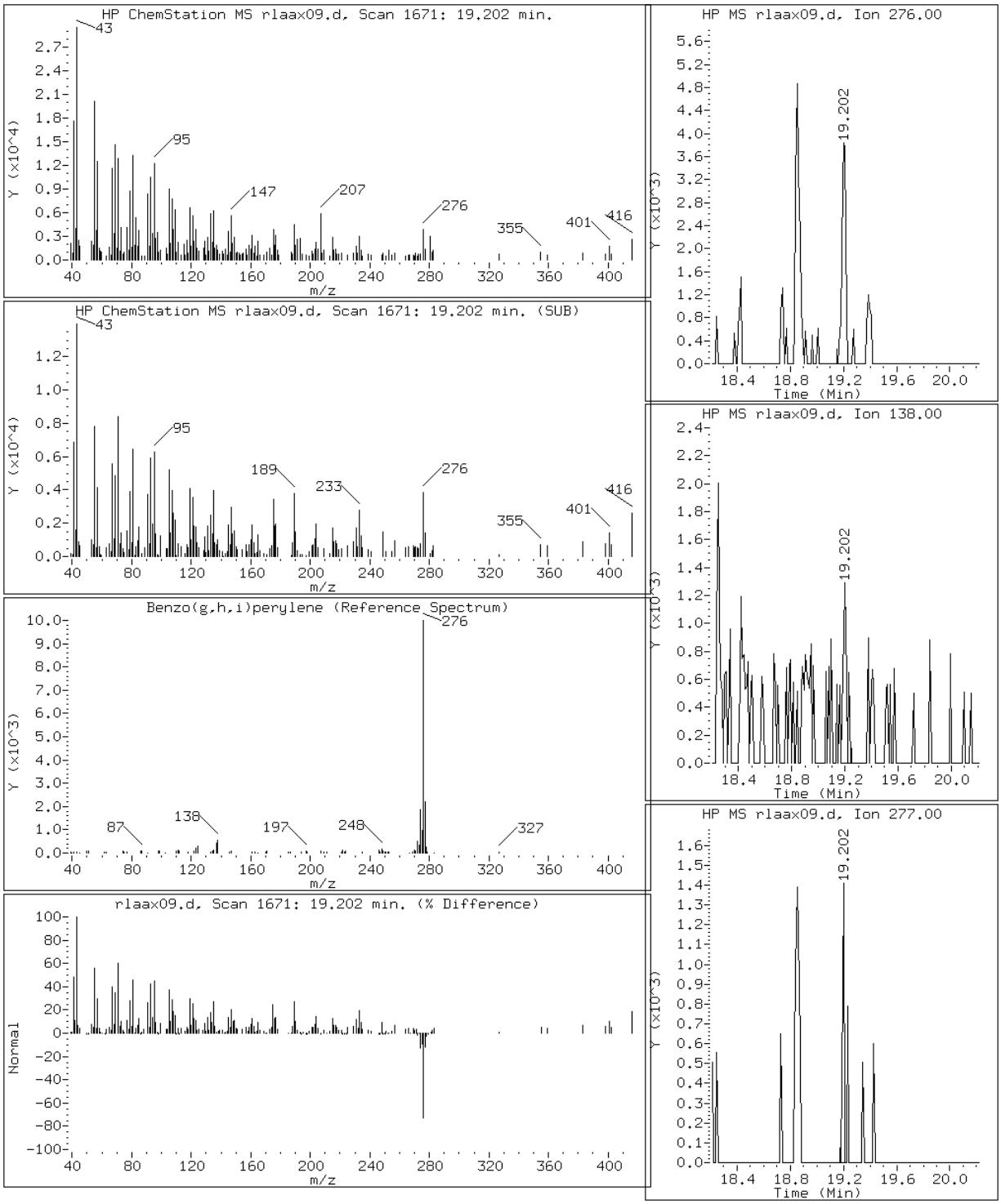
Data File: rlaax09.d

Lab Sample ID: 200-17642-3 Date: 22-AUG-2013 12:31

Client ID: TS004 (072413)RE Instrument: R.i

Sample Info: 200-17642-D-3-G Operator: djb

98 Benzo(g,h,i)perylene



Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date(s): 08/13/2013 08/13/2013

Calibration Time(s): 1332 1632

LAB FILE ID: RRF5.0 = RLA08.D RRF10 = RLA07.D

RRF20 = RLA06.D RRF40 = RLA05.D RRF80 = RLA03.D

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
Benzaldehyde	0.992	0.958	1.014	0.848	0.682	0.899	15.2
Phenol	1.060	1.060	1.140	1.177	1.386	1.164	11.5
Bis(2-chloroethyl)ether	0.891	0.863	0.922	0.944	1.018	0.928	6.4
2-Chlorophenol	1.045	1.109	1.092	1.219	1.341	1.161	10.2
2-Methylphenol	0.717	0.829	0.888	0.912	1.016	0.873	12.6
2,2'-Oxybis(1-chloropropane)	1.024	1.037	1.023	1.084	1.188	1.071	6.5
Acetophenone	1.822	1.914	2.097	2.089	2.318	2.048	9.3
4-Methylphenol	0.772	0.845	0.924	0.937	1.085	0.912	12.9
N-Nitroso-di-n-propylamine	0.866	0.968	1.040	1.029	1.158	1.012	10.5
Hexachloroethane	0.930	0.964	0.977	1.076	1.134	1.016	8.4
Nitrobenzene	0.527	0.507	0.558	0.577	0.598	0.553	6.7
Isophorone	0.859	0.855	0.879	0.884	0.829	0.861	2.5
2-Nitrophenol	0.173	0.190	0.203	0.209	0.227	0.200	10.2
2,4-Dimethylphenol	0.452	0.462	0.504	0.529	0.551	0.500	8.5
Bis(2-chloroethoxy)methane	0.350	0.319	0.372	0.369	0.385	0.359	7.2
2,4-Dichlorophenol	0.326	0.322	0.359	0.377	0.406	0.358	9.9
Naphthalene	0.850	0.851	0.945	0.991	1.023	0.932	8.5
4-Chloroaniline	0.386	0.396	0.401	0.415	0.430	0.406	4.2
Hexachlorobutadiene	0.488	0.454	0.490	0.535	0.541	0.502	7.2
Caprolactam	0.080	0.079	0.070	0.062	0.054	0.069	16.1
4-Chloro-3-methylphenol	0.382	0.372	0.383	0.384	0.359	0.376	2.9
2-Methylnaphthalene	0.659	0.638	0.672	0.706	0.693	0.674	4.1
Hexachlorocyclopentadiene	0.580	0.661	0.889	0.986	1.298	0.883	32.2
2,4,6-Trichlorophenol	0.385	0.443	0.469	0.529	0.604	0.486	17.2
2,4,5-Trichlorophenol	0.415	0.422	0.458	0.482	0.595	0.475	15.3
1,1'-Biphenyl	1.248	1.269	1.577	1.669	1.914	1.535	18.3
2-Chloronaphthalene	1.027	1.059	1.226	1.363	1.585	1.252	18.4
2-Nitroaniline		0.423	0.387	0.420	0.455	0.421	6.6
Dimethylphthalate	1.498	1.531	1.527	1.580	1.593	1.546	2.6
2,6-Dinitrotoluene	0.272	0.292	0.305	0.336	0.352	0.311	10.4
Acenaphthylene	1.527	1.540	1.630	1.761	1.948	1.681	10.5
3-Nitroaniline		0.210	0.217	0.217	0.226	0.217	3.0
Acenaphthene	0.886	0.950	1.016	1.079	1.191	1.024	11.5
2,4-Dinitrophenol		0.130	0.143	0.168	0.204	0.161	20.2
4-Nitrophenol		0.427	0.476	0.489	0.564	0.489	11.5
Dibenzofuran	1.417	1.440	1.484	1.561	1.695	1.519	7.4

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date(s): 08/13/2013 08/13/2013

Calibration Time(s): 1332 1632

LAB FILE ID: RRF5.0 = RLA08.D RRF10 = RLA07.D

RRF20 = RLA06.D RRF40 = RLA05.D RRF80 = RLA03.D

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
2,4-Dinitrotoluene	0.330	0.328	0.372	0.387	0.404	0.364	9.3
Diethylphthalate	1.763	1.612	1.688	1.670	1.655	1.678	3.3
Fluorene	1.103	1.115	1.158	1.281	1.400	1.211	10.5
4-Chlorophenyl-phenylether	0.693	0.715	0.723	0.823	0.903	0.772	11.5
4-Nitroaniline		0.138	0.172	0.168	0.198	0.169	14.7
4,6-Dinitro-2-methylphenol		0.125	0.143	0.159	0.179	0.151	15.2
N-Nitrosodiphenylamine [1]	0.380	0.402	0.398	0.431	0.413	0.405	4.6
1,2,4,5-Tetrachlorobenzene	0.766	0.754	0.911	1.012	1.144	0.917	18.1
4-Bromophenyl-phenylether	0.322	0.344	0.341	0.374	0.368	0.350	6.1
Hexachlorobenzene	0.454	0.475	0.501	0.545	0.539	0.503	7.9
Atrazine	0.240	0.234	0.272	0.283	0.267	0.259	8.1
Pentachlorophenol		0.196	0.230	0.258	0.304	0.247	18.6
Phenanthrene	0.905	0.922	0.989	1.030	1.065	0.982	7.0
Anthracene	0.882	0.882	0.963	1.043	1.057	0.965	8.7
Carbazole	0.700	0.624	0.752	0.805	0.888	0.754	13.3
Di-n-butylphthalate	1.280	1.219	1.463	1.485	1.557	1.401	10.3
Fluoranthene	0.892	0.789	1.052	1.100	1.324	1.031	19.9
Pyrene	0.863	1.106	0.885	0.893	0.946	0.939	10.5
Butylbenzylphthalate	0.508	0.505	0.513	0.542	0.600	0.534	7.5
3,3'-Dichlorobenzidine	0.407	0.366	0.424	0.437	0.417	0.410	6.6
Benzo(a)anthracene	0.873	0.872	0.939	1.014	1.093	0.958	10.0
Chrysene	0.804	0.827	0.848	0.899	0.969	0.870	7.6
Bis(2-ethylhexyl)phthalate	0.634	0.614	0.651	0.697	0.772	0.674	9.4
Di-n-octylphthalate	0.897	0.943	1.101	1.218	1.373	1.106	17.8
Benzo(b)fluoranthene	0.984	0.955	1.226	1.089	1.340	1.119	14.6
Benzo(k)fluoranthene	1.040	1.093	1.105	1.272	1.157	1.133	7.7
Benzo(a)pyrene	0.944	0.919	0.932	0.987	1.062	0.969	6.0
Indeno(1,2,3-cd)pyrene	0.904	0.997	1.103	1.292	1.284	1.116	15.4
Dibenzo(a,h)anthracene	0.799	0.861	0.918	1.066	1.089	0.947	13.4
Benzo(g,h,i)perylene	0.880	0.871	0.906	1.045	0.979	0.936	7.9
2,3,4,6-Tetrachlorophenol	0.381	0.382	0.400	0.421	0.466	0.410	8.6

[1] Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date(s): 08/13/2013 08/13/2013

Calibration Time(s): 1332 1632

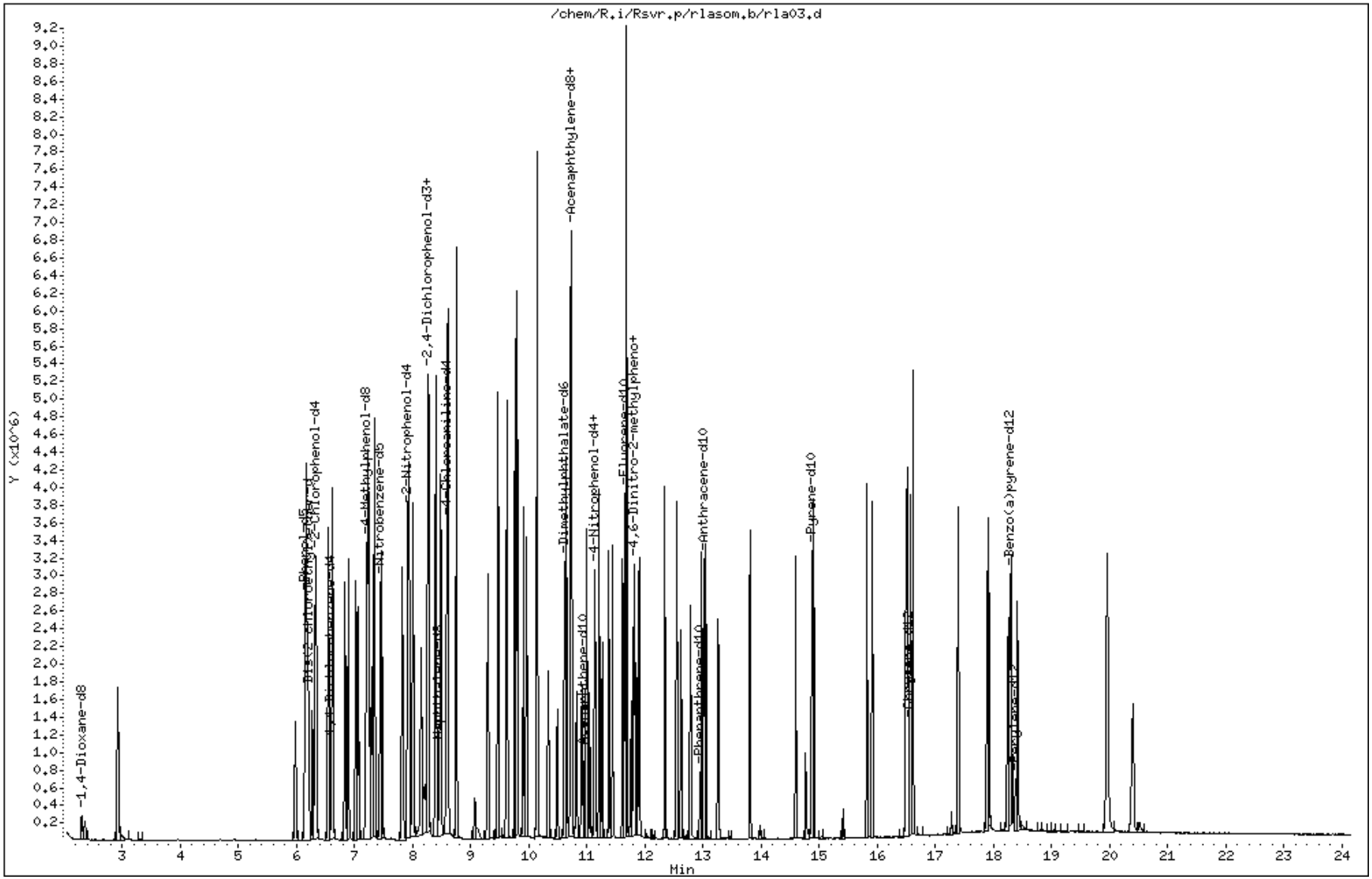
LAB FILE ID: RRF5.0 = RLA08.D RRF10 = RLA07.D

RRF20 = RLA06.D RRF40 = RLA05.D RRF80 = RLA03.D

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
Phenol-d5	1.349	1.310	1.182	1.253	1.404	1.300	6.6
Bis(2-chloroethyl)ether-d8	1.097	1.081	1.001	1.058	1.258	1.099	8.8
2-Chlorophenol-d4	1.363	1.370	1.298	1.386	1.514	1.386	5.7
4-Methylphenol-d8	0.739	0.793	0.758	0.765	0.862	0.783	6.2
Nitrobenzene-d5	0.189	0.183	0.182	0.186	0.195	0.187	2.9
2-Nitrophenol-d4	0.233	0.234	0.221	0.242	0.247	0.235	4.2
2,4-Dichlorophenol-d3	0.436	0.438	0.412	0.450	0.455	0.438	3.8
4-Chloroaniline-d4	0.465	0.492	0.424	0.441	0.443	0.453	5.8
Dimethylphthalate-d6	1.938	1.866	1.669	1.771	1.716	1.792	6.1
Acenaphthylene-d8	1.964	1.970	1.838	2.056	2.171	2.000	6.2
4-Nitrophenol-d4		0.165	0.172	0.178	0.203	0.179	9.2
Fluorene-d10	1.239	1.240	1.086	1.200	1.235	1.200	5.5
4,6-Dinitro-2-methylphenol-d2		0.155	0.163	0.194	0.216	0.182	15.6
Anthracene-d10	1.113	1.109	1.059	1.130	1.139	1.110	2.8
Pyrene-d10	1.051	1.255	0.887	0.896	0.939	1.005	15.3
Benzo(a)pyrene-d12	1.038	0.976	0.924	0.982	1.038	0.992	4.9

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla03.d
Date : 13-AUG-2013 13:32
Client ID: SSTD080LA
Sample Info: IC
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlasom.b/rla03.d
Lab Smp Id: IC Client Smp ID: SSTD080LA
Inj Date : 13-AUG-2013 13:32
Operator : djb Inst ID: R.i
Smp Info : IC
Misc Info : SSTD080LA
Comment :
Method : /chem/R.i/Rsvr.p/rlasom.b/iSOM12.m
Meth Date : 13-Aug-2013 17:02 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 13:32 Cal File: rla03.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12diox.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

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-Dioxane-d8	96	2.304	2.345	(0.371)	100945	160.000	160(M)
	2 1,4-Dioxane	88	2.355	2.396	(0.357)	94621	160.000	160(M)
	5 Benzaldehyde	77	5.971	5.981	(0.962)	332578	160.000	160
$	6 Phenol-d5	71	6.146	6.135	(0.990)	684779	160.000	160
	7 Phenol	94	6.167	6.156	(0.993)	675755	160.000	160(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	6.208	6.197	(1.000)	613618	160.000	160
	9 Bis(2-chloroethyl)ether	93	6.269	6.269	(1.010)	496250	160.000	160(H)
$	10 2-Chlorophenol-d4	132	6.321	6.310	(1.018)	738411	160.000	160
	11 2-Chlorophenol	128	6.341	6.341	(1.022)	653675	160.000	160
*	12 1,4-Dichlorobenzene-d4	152	6.598	6.597	(1.000)	121907	40.0000	(H)
	14 2-Methylphenol	108	7.019	7.019	(1.131)	495664	160.000	160(H)
	15 2,2'-Oxybis(1-chloropropane)	45	7.060	7.060	(1.137)	579176	160.000	160
$	16 4-Methylphenol-d8	113	7.204	7.183	(1.161)	420507	160.000	160
	17 Acetophenone	105	7.225	7.214	(1.164)	1130343	160.000	160
	18 4-Methylphenol	108	7.245	7.224	(1.167)	529300	160.000	160(H)
	20 N-Nitroso-di-n-propylamine	70	7.286	7.255	(1.174)	564473	160.000	160

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 Hexachloroethane	117	7.338	7.337	(1.182)	553042	160.000	160(AH)
$	22 Nitrobenzene-d5	128	7.440	7.440	(0.902)	357090	160.000	160(Q)
	23 Nitrobenzene	77	7.471	7.460	(0.905)	1095658	160.000	160(H)
	24 Isophorone	82	7.820	7.799	(0.948)	1519258	160.000	160(H)
$	25 2-Nitrophenol-d4	143	7.913	7.912	(0.959)	452853	160.000	160
	26 2-Nitrophenol	139	7.933	7.933	(0.961)	415034	160.000	160(H)
	27 2,4-Dimethylphenol	107	8.005	7.994	(0.970)	1008930	160.000	160
	28 Bis(2-chloroethoxy)methane	93	8.149	8.138	(0.988)	705971	160.000	160(H)
$	29 2,4-Dichlorophenol-d3	165	8.262	8.251	(1.001)	833118	160.000	160
	30 2,4-Dichlorophenol	162	8.272	8.261	(1.002)	744372	160.000	160
*	31 Naphthalene-d8	136	8.447	8.446	(1.000)	457907	40.0000	(MH)
	32 Naphthalene	128	8.478	8.477	(1.027)	1874417	160.000	160
$	33 4-Chloroaniline-d4	131	8.581	8.570	(1.040)	810819	160.000	160
	34 4-Chloroaniline	127	8.601	8.590	(1.042)	786886	160.000	160(H)
	35 Hexachlorobutadiene	225	8.755	8.755	(1.061)	990724	160.000	160
	36 Caprolactam	113	9.063	9.022	(1.098)	99331	160.000	160
	37 4-Chloro-3-methylphenol	107	9.289	9.289	(1.126)	656972	160.000	160
	38 2-Methylnaphthalene	142	9.464	9.463	(1.147)	1270079	160.000	160
	39 1,2,4,5-Tetrachlorobenzene	216	9.762	9.761	(0.917)	1006460	160.000	160
	40 Hexachlorocyclopentadiene	237	9.793	9.792	(0.920)	1141752	160.000	160
	41 2,4,6-Trichlorophenol	196	9.906	9.905	(0.931)	531344	160.000	160
	42 2,4,5-Trichlorophenol	196	9.957	9.946	(0.935)	523048	160.000	160(H)
	43 1,1'-Biphenyl	154	10.132	10.131	(0.952)	1683394	160.000	160
	45 2-Chloronaphthalene	162	10.142	10.141	(0.953)	1394065	160.000	160
	46 2-Nitroaniline	65	10.337	10.326	(0.971)	400296	160.000	160(H)
$	47 Dimethylphthalate-d6	166	10.615	10.604	(0.997)	1509414	160.000	160
	48 Dimethylphthalate	163	10.645	10.634	(1.000)	1401645	160.000	160(H)
	51 2,6-Dinitrotoluene	165	10.728	10.717	(1.008)	309653	160.000	160
$	49 Acenaphthylene-d8	160	10.717	10.717	(1.007)	1909476	160.000	160
	50 Acenaphthylene	152	10.738	10.727	(1.009)	1713651	160.000	160
	52 3-Nitroaniline	138	10.912	10.902	(1.025)	198440	160.000	160(QH)
*	53 Acenaphthene-d10	164	10.943	10.943	(1.000)	219929	40.0000	(H)
	54 Acenaphthene	153	10.995	10.984	(1.033)	1047968	160.000	160(AH)
	55 2,4-Dinitrophenol	184	11.046	11.035	(1.038)	179440	160.000	160
$	56 4-Nitrophenol-d4	143	11.138	11.117	(1.046)	178247	160.000	160(Q)
	57 4-Nitrophenol	109	11.138	11.127	(1.046)	495906	160.000	160
	58 Dibenzofuran	168	11.210	11.199	(1.053)	1491452	160.000	160(H)
	60 2,4-Dinitrotoluene	165	11.262	11.251	(1.058)	355546	160.000	160(TH)
	61 2,3,4,6-Tetrachlorophenol	232	11.436	11.436	(1.074)	410086	160.000	160(H)
	62 Diethylphthalate	149	11.611	11.600	(1.091)	1455515	160.000	160
$	63 Fluorene-d10	176	11.642	11.641	(1.094)	1086838	160.000	160
	64 Fluorene	166	11.683	11.682	(1.097)	1231902	160.000	160
	65 4-Chlorophenyl-phenylether	204	11.683	11.682	(1.097)	794271	160.000	160
	66 4-Nitroaniline	138	11.755	11.744	(1.104)	174543	160.000	160(H)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.806	11.795	(0.912)	283261	160.000	160
	68 4,6-Dinitro-2-methylphenol	198	11.816	11.805	(0.913)	234441	160.000	160(Q)
	69 N-Nitrosodiphenylamine	169	11.858	11.847	(0.916)	540392	160.000	160

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	70 4-Bromophenyl-phenylether	248	12.340	12.340	(0.953)	481832	160.000	160
	71 Hexachlorobenzene	284	12.546	12.545	(0.969)	705793	160.000	160
	72 Atrazine	200	12.618	12.607	(0.975)	349253	160.000	160
	73 Pentachlorophenol	266	12.782	12.781	(0.987)	398709	160.000	160
*	74 Phenanthrene-d10	188	12.946	12.946	(1.000)	327445	40.0000	
	75 Phenanthrene	178	12.977	12.977	(1.002)	1394654	160.000	160
$	76 Anthracene-d10	188	13.018	13.007	(1.006)	1491334	160.000	160
	77 Anthracene	178	13.039	13.038	(1.007)	1384093	160.000	160
	78 Carbazole	167	13.255	13.254	(1.024)	1163714	160.000	160
	79 Di-n-butylphthalate	149	13.809	13.809	(1.067)	2039358	160.000	160
	80 Fluoranthene	202	14.590	14.589	(1.127)	1734543	160.000	160
$	82 Pyrene-d10	212	14.878	14.867	(0.900)	1850527	160.000	160
	83 Pyrene	202	14.898	14.898	(0.901)	1864476	160.000	160
	84 Butylbenzylphthalate	149	15.823	15.812	(0.957)	1183168	160.000	160(A)
	85 3,3'-Dichlorobenzidine	252	16.490	16.490	(0.998)	821648	160.000	160
	86 Benzo(a)anthracene	228	16.511	16.510	(0.999)	2155930	160.000	160
*	87 Chrysene-d12	240	16.532	16.531	(1.000)	492917	40.0000	
	88 Chrysene	228	16.573	16.562	(1.002)	1911083	160.000	160
	89 Bis(2-ethylhexyl)phthalate	149	16.614	16.613	(1.005)	1522520	160.000	160
	90 Di-n-octylphthalate	149	17.384	17.394	(0.951)	2334339	160.000	160
	91 Benzo(b)fluoranthene	252	17.887	17.887	(0.979)	2277070	160.000	160
	92 Benzo(k)fluoranthene	252	17.918	17.907	(0.980)	1966854	160.000	160(H)
$	93 Benzo(a)pyrene-d12	264	18.278	18.267	(1.000)	1765048	160.000	160
	94 Benzo(a)pyrene	252	18.309	18.298	(1.002)	1804472	160.000	160(H)
*	95 Perylene-d12	264	18.381	18.370	(1.000)	424969	40.0000	(H)
	96 Indeno(1,2,3-cd)pyrene	276	19.952	19.931	(1.092)	2182656	160.000	160
	97 Dibenzo(a,h)anthracene	278	19.963	19.952	(1.092)	1850990	160.000	160
	98 Benzo(g,h,i)perylene	276	20.394	20.373	(1.116)	1664135	160.000	160

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: rla03.d
Lab Sample ID: IC
Inj. Date and Time: 13-AUG-2013 13:32
Instrument ID: R.i
Client ID: SSTD080LA
Compound: 31 Naphthalene-d8
CAS #: 1146-65-2
Report Date: 08/14/2013

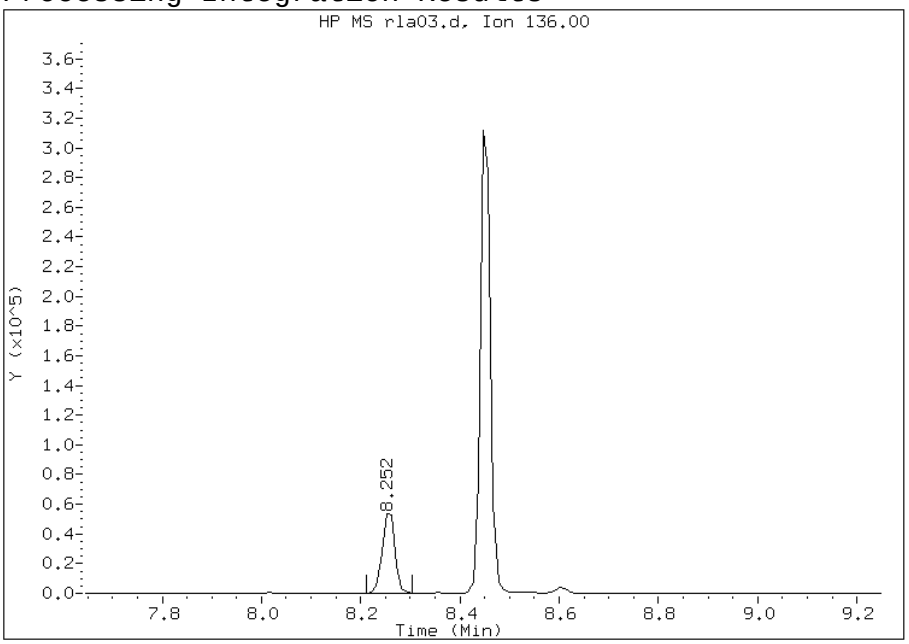
Processing Integration Results

RT: 8.25

Response: 97102

Amount: 40.00

Conc: 20.00



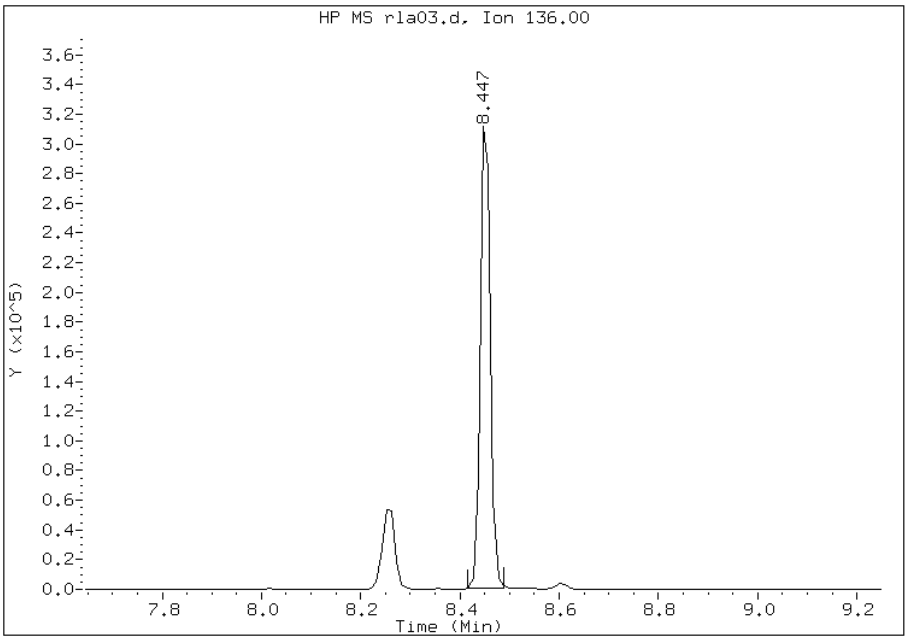
Manual Integration Results

RT: 8.45

Response: 457907

Amount: 40.00

Conc: 40.00



File Uploaded By: je
Manual Integration Reason: Baseline event

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla05.d

Page 1

Date : 13-AUG-2013 14:44

Client ID: SSTD040LA

Instrument: R.i

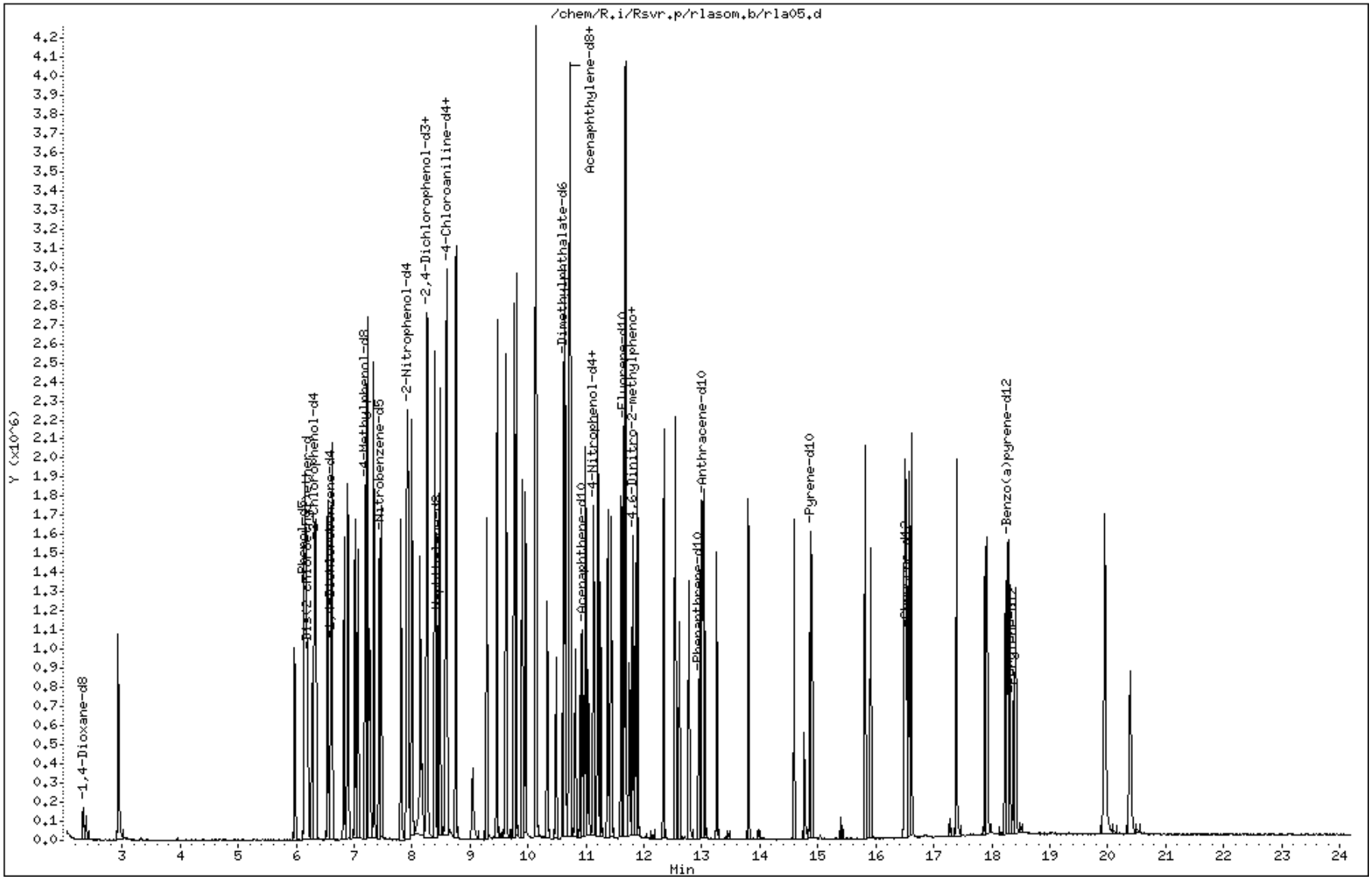
Sample Info: IC

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlasom.b/rla05.d
Lab Smp Id: IC Client Smp ID: SSTD040LA
Inj Date : 13-AUG-2013 14:44
Operator : djb Inst ID: R.i
Smp Info : IC
Misc Info : SSTD040LA
Comment :
Method : /chem/R.i/Rsvr.p/rlasom.b/iSOM12.m
Meth Date : 13-Aug-2013 17:02 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 14:44 Cal File: rla05.d
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12diox.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

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-Dioxane-d8	96	2.327	2.345	(0.353)	60502	80.0000	82
	2 1,4-Dioxane	88	2.378	2.396	(0.360)	61804	80.0000	86
	5 Benzaldehyde	77	5.973	5.981	(0.905)	234472	80.0000	89
$	6 Phenol-d5	71	6.138	6.135	(0.930)	346385	80.0000	75
	7 Phenol	94	6.158	6.156	(0.933)	325216	80.0000	73(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	6.199	6.197	(0.939)	292389	80.0000	73
	9 Bis(2-chloroethyl)ether	93	6.271	6.269	(0.950)	261036	80.0000	77
$	10 2-Chlorophenol-d4	132	6.312	6.310	(0.956)	383106	80.0000	76
	11 2-Chlorophenol	128	6.343	6.341	(0.961)	337028	80.0000	76
*	12 1,4-Dichlorobenzene-d4	152	6.600	6.597	(1.000)	138189	40.0000	
	14 2-Methylphenol	108	7.021	7.019	(1.064)	252170	80.0000	76
	15 2,2'-Oxybis(1-chloropropane)	45	7.062	7.060	(1.070)	299663	80.0000	76
$	16 4-Methylphenol-d8	113	7.196	7.183	(1.090)	211468	80.0000	75
	17 Acetophenone	105	7.216	7.214	(1.093)	577391	80.0000	76
	18 4-Methylphenol	108	7.237	7.224	(1.096)	258860	80.0000	74
	20 N-Nitroso-di-n-propylamine	70	7.268	7.255	(1.101)	284277	80.0000	75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 Hexachloroethane	117	7.340	7.337	(1.112)	297413	80.0000	78
$	22 Nitrobenzene-d5	128	7.442	7.440	(0.881)	175847	80.0000	78
	23 Nitrobenzene	77	7.463	7.460	(0.883)	546425	80.0000	79
	24 Isophorone	82	7.812	7.799	(0.925)	837291	80.0000	83
$	25 2-Nitrophenol-d4	143	7.915	7.912	(0.937)	228849	80.0000	79
	26 2-Nitrophenol	139	7.936	7.933	(0.939)	197934	80.0000	77
	27 2,4-Dimethylphenol	107	7.997	7.994	(0.946)	501041	80.0000	78
	28 Bis(2-chloroethoxy)methane	93	8.141	8.138	(0.964)	349193	80.0000	78
$	29 2,4-Dichlorophenol-d3	165	8.254	8.251	(0.977)	426508	80.0000	80
	30 2,4-Dichlorophenol	162	8.264	8.261	(0.978)	356664	80.0000	77
*	31 Naphthalene-d8	136	8.449	8.446	(1.000)	473426	40.0000	
	32 Naphthalene	128	8.480	8.477	(1.004)	938163	80.0000	79
$	33 4-Chloroaniline-d4	131	8.583	8.570	(1.016)	417450	80.0000	80
	34 4-Chloroaniline	127	8.593	8.590	(1.017)	393249	80.0000	79
	35 Hexachlorobutadiene	225	8.757	8.755	(1.036)	506629	80.0000	80
	36 Caprolactam	113	9.045	9.022	(1.070)	58608	80.0000	85
	37 4-Chloro-3-methylphenol	107	9.291	9.289	(1.100)	363924	80.0000	83
	38 2-Methylnaphthalene	142	9.466	9.463	(1.120)	668885	80.0000	81
	39 1,2,4,5-Tetrachlorobenzene	216	9.764	9.761	(0.892)	542675	80.0000	75
	40 Hexachlorocyclopentadiene	237	9.795	9.792	(0.895)	528699	80.0000	69
	41 2,4,6-Trichlorophenol	196	9.908	9.905	(0.905)	283669	80.0000	75
	42 2,4,5-Trichlorophenol	196	9.949	9.946	(0.909)	258740	80.0000	72
	43 1,1'-Biphenyl	154	10.134	10.131	(0.926)	895495	80.0000	75
	45 2-Chloronaphthalene	162	10.144	10.141	(0.927)	730962	80.0000	74
	46 2-Nitroaniline	65	10.329	10.326	(0.944)	225256	80.0000	77
$	47 Dimethylphthalate-d6	166	10.606	10.604	(0.969)	949964	80.0000	81
	48 Dimethylphthalate	163	10.637	10.634	(0.972)	847763	80.0000	80
	51 2,6-Dinitrotoluene	165	10.719	10.717	(0.979)	180042	80.0000	78
$	49 Acenaphthylene-d8	160	10.719	10.717	(0.979)	1102822	80.0000	78
	50 Acenaphthylene	152	10.730	10.727	(0.980)	944454	80.0000	76
	52 3-Nitroaniline	138	10.904	10.902	(0.996)	116637	80.0000	79(T)
*	53 Acenaphthene-d10	164	10.945	10.943	(1.000)	268233	40.0000	
	54 Acenaphthene	153	10.986	10.984	(1.004)	578745	80.0000	76
	55 2,4-Dinitrophenol	184	11.038	11.035	(1.008)	90393	80.0000	72
$	56 4-Nitrophenol-d4	143	11.130	11.117	(1.017)	95383	80.0000	75
	57 4-Nitrophenol	109	11.141	11.127	(1.018)	262318	80.0000	74
	58 Dibenzofuran	168	11.202	11.199	(1.023)	837162	80.0000	77
	60 2,4-Dinitrotoluene	165	11.254	11.251	(1.028)	207493	80.0000	78(T)
	61 2,3,4,6-Tetrachlorophenol	232	11.438	11.436	(1.045)	226010	80.0000	76
	62 Diethylphthalate	149	11.613	11.600	(1.061)	896035	80.0000	80
$	63 Fluorene-d10	176	11.644	11.641	(1.064)	643567	80.0000	79
	64 Fluorene	166	11.675	11.682	(1.067)	687254	80.0000	76
	65 4-Chlorophenyl-phenylether	204	11.685	11.682	(1.068)	441564	80.0000	76
	66 4-Nitroaniline	138	11.747	11.744	(1.073)	89904	80.0000	73
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.798	11.795	(0.911)	145620	80.0000	76
	68 4,6-Dinitro-2-methylphenol	198	11.808	11.805	(0.912)	118903	80.0000	75(Q)
	69 N-Nitrosodiphenylamine	169	11.849	11.847	(0.915)	322957	80.0000	82

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	70 4-Bromophenyl-phenylether	248	12.342	12.340	(0.953)	279989	80.0000	81
	71 Hexachlorobenzene	284	12.548	12.545	(0.969)	408693	80.0000	80
	72 Atrazine	200	12.620	12.607	(0.975)	211762	80.0000	82
	73 Pentachlorophenol	266	12.774	12.781	(0.986)	193036	80.0000	73
*	74 Phenanthrene-d10	188	12.949	12.946	(1.000)	374725	40.0000	
	75 Phenanthrene	178	12.979	12.977	(1.002)	771620	80.0000	79
$	76 Anthracene-d10	188	13.010	13.007	(1.005)	846722	80.0000	80
	77 Anthracene	178	13.041	13.038	(1.007)	781768	80.0000	79
	78 Carbazole	167	13.257	13.254	(1.024)	602943	80.0000	76
	79 Di-n-butylphthalate	149	13.801	13.809	(1.066)	1112876	80.0000	78
	80 Fluoranthene	202	14.592	14.589	(1.127)	824146	80.0000	73
$	82 Pyrene-d10	212	14.869	14.867	(0.899)	874109	80.0000	78
	83 Pyrene	202	14.900	14.898	(0.901)	871121	80.0000	78(M)
	84 Butylbenzylphthalate	149	15.815	15.812	(0.956)	529050	80.0000	76
	85 3,3'-Dichlorobenzidine	252	16.493	16.490	(0.998)	426243	80.0000	82
	86 Benzo(a)anthracene	228	16.513	16.510	(0.999)	988716	80.0000	77
*	87 Chrysene-d12	240	16.534	16.531	(1.000)	487611	40.0000	
	88 Chrysene	228	16.564	16.562	(1.002)	876259	80.0000	77
	89 Bis(2-ethylhexyl)phthalate	149	16.616	16.613	(1.005)	679532	80.0000	76
	90 Di-n-octylphthalate	149	17.386	17.394	(0.946)	1170851	80.0000	75
	91 Benzo(b)fluoranthene	252	17.890	17.887	(0.974)	1046453	80.0000	72
	92 Benzo(k)fluoranthene	252	17.920	17.907	(0.975)	1222466	80.0000	84
$	93 Benzo(a)pyrene-d12	264	18.270	18.267	(0.994)	944437	80.0000	78
	94 Benzo(a)pyrene	252	18.300	18.298	(0.996)	948628	80.0000	77
*	95 Perylene-d12	264	18.372	18.370	(1.000)	480632	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	19.944	19.931	(1.086)	1241964	80.0000	80
	97 Dibenzo(a,h)anthracene	278	19.954	19.952	(1.086)	1025115	80.0000	79
	98 Benzo(g,h,i)perylene	276	20.386	20.373	(1.110)	1004687	80.0000	83

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Manual Integration Report

Data File: rla05.d
Lab Sample ID: IC
Inj. Date and Time: 13-AUG-2013 14:44
Instrument ID: R.i
Client ID: SSTD040LA
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/14/2013

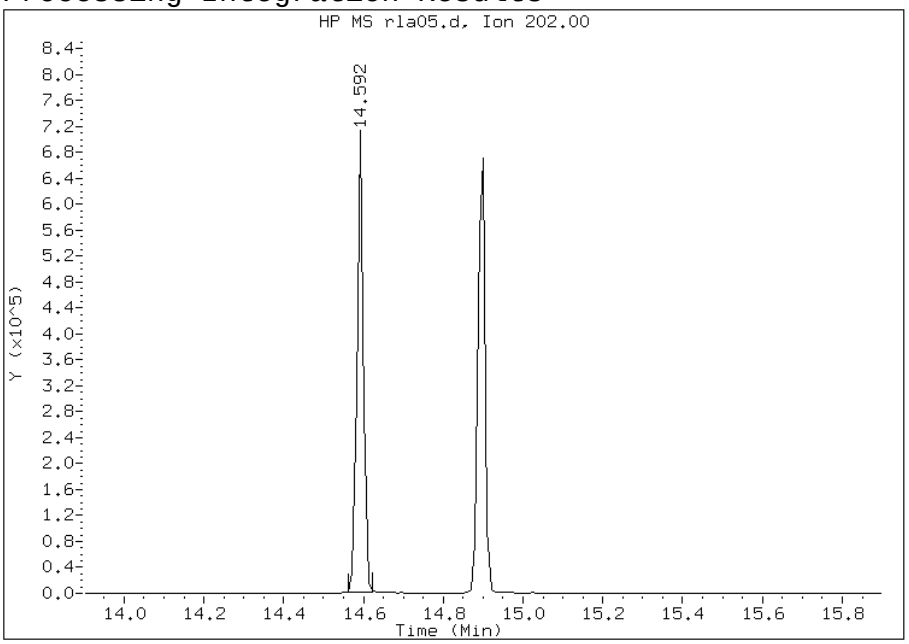
Processing Integration Results

RT: 14.59

Response: 824146

Amount: 74.25

Conc: 37.12



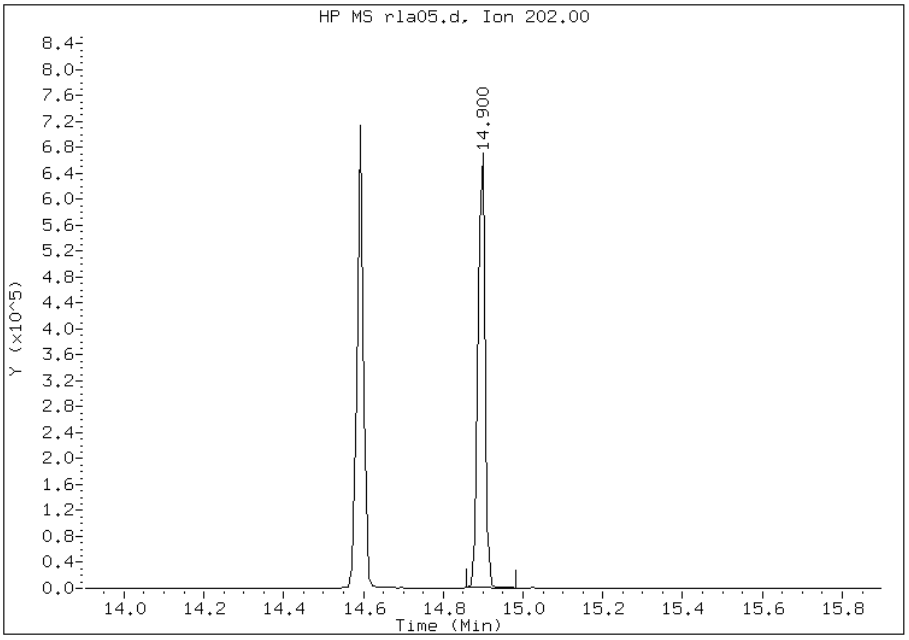
Manual Integration Results

RT: 14.90

Response: 871121

Amount: 77.72

Conc: 77.72



File Uploaded By: je
Manual Integration Reason: Analyte not identified by the data system

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla06.d

Page 1

Date : 13-AUG-2013 15:20

Client ID: SSTD020LA

Instrument: R.i

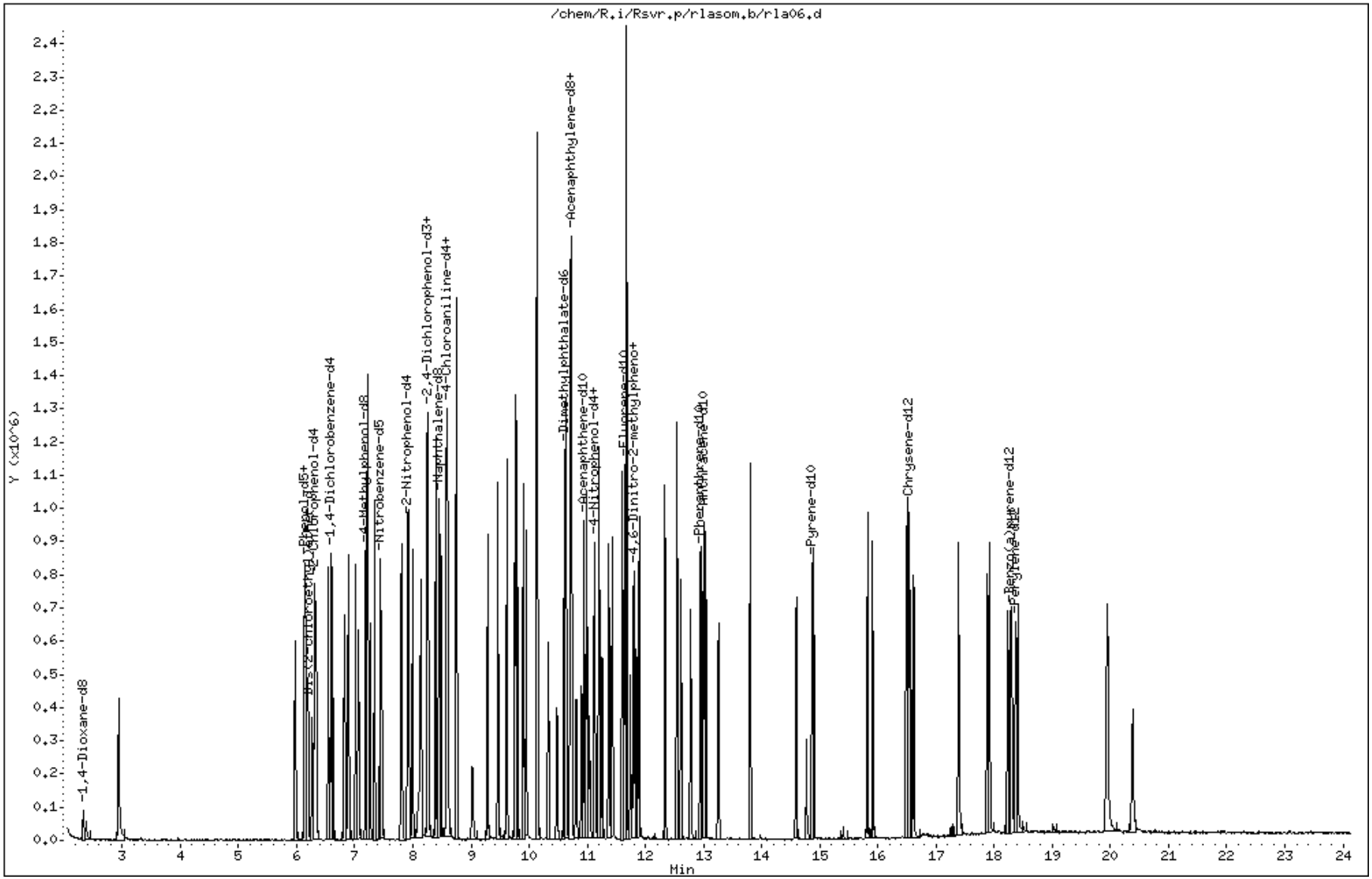
Sample Info: ICIS

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlasom.b/rla06.d
Lab Smp Id: ICIS Client Smp ID: SSTD020LA
Inj Date : 13-AUG-2013 15:20
Operator : djb Inst ID: R.i
Smp Info : ICIS
Misc Info : SSTD020LA
Comment :
Method : /chem/R.i/Rsvr.p/rlasom.b/iSOM12.m
Meth Date : 13-Aug-2013 17:02 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 15:20 Cal File: rla06.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12diox.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

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-Dioxane-d8	96	2.330	2.330	(0.353)	26666	40.0000	40
	2 1,4-Dioxane	88	2.381	2.381	(0.361)	24761	40.0000	38
	5 Benzaldehyde	77	5.976	5.976	(0.906)	127928	40.0000	48
$	6 Phenol-d5	71	6.141	6.141	(0.931)	149097	40.0000	37
	7 Phenol	94	6.151	6.151	(0.933)	143772	40.0000	37(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	6.202	6.202	(0.941)	126171	40.0000	36
	9 Bis(2-chloroethyl)ether	93	6.264	6.264	(0.950)	116217	40.0000	38
$	10 2-Chlorophenol-d4	132	6.315	6.315	(0.958)	163683	40.0000	37
	11 2-Chlorophenol	128	6.336	6.336	(0.961)	137721	40.0000	36
*	12 1,4-Dichlorobenzene-d4	152	6.593	6.593	(1.000)	126105	40.0000	
	14 2-Methylphenol	108	7.014	7.014	(1.064)	112037	40.0000	38
	15 2,2'-Oxybis(1-chloropropane)	45	7.065	7.065	(1.072)	129021	40.0000	37
$	16 4-Methylphenol-d8	113	7.189	7.189	(1.090)	95567	40.0000	38
	17 Acetophenone	105	7.219	7.219	(1.095)	264386	40.0000	39
	18 4-Methylphenol	108	7.230	7.230	(1.097)	116496	40.0000	38
	20 N-Nitroso-di-n-propylamine	70	7.261	7.261	(1.101)	131136	40.0000	39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 Hexachloroethane	117	7.343	7.343	(1.114)	123145	40.0000	37
$	22 Nitrobenzene-d5	128	7.435	7.435	(0.880)	82045	40.0000	39(Q)
	23 Nitrobenzene	77	7.456	7.456	(0.882)	251350	40.0000	39
	24 Isophorone	82	7.805	7.805	(0.923)	396245	40.0000	41
$	25 2-Nitrophenol-d4	143	7.908	7.908	(0.936)	99720	40.0000	37
	26 2-Nitrophenol	139	7.928	7.928	(0.938)	91682	40.0000	38
	27 2,4-Dimethylphenol	107	7.990	7.990	(0.945)	227363	40.0000	38
	28 Bis(2-chloroethoxy)methane	93	8.134	8.134	(0.962)	167499	40.0000	40
$	29 2,4-Dichlorophenol-d3	165	8.247	8.247	(0.976)	185779	40.0000	38
	30 2,4-Dichlorophenol	162	8.267	8.267	(0.978)	161738	40.0000	38
*	31 Naphthalene-d8	136	8.452	8.452	(1.000)	450711	40.0000	
	32 Naphthalene	128	8.483	8.483	(1.004)	425994	40.0000	38
$	33 4-Chloroaniline-d4	131	8.575	8.575	(1.015)	190999	40.0000	39
	34 4-Chloroaniline	127	8.586	8.586	(1.016)	180726	40.0000	39
	35 Hexachlorobutadiene	225	8.750	8.750	(1.035)	221026	40.0000	38
	36 Caprolactam	113	9.027	9.027	(1.068)	31630	40.0000	45
	37 4-Chloro-3-methylphenol	107	9.284	9.284	(1.098)	172834	40.0000	41
	38 2-Methylnaphthalene	142	9.469	9.469	(1.120)	302864	40.0000	39
	39 1,2,4,5-Tetrachlorobenzene	216	9.757	9.757	(0.891)	246200	40.0000	36
	40 Hexachlorocyclopentadiene	237	9.798	9.798	(0.895)	240254	40.0000	34
	41 2,4,6-Trichlorophenol	196	9.901	9.901	(0.904)	126770	40.0000	35
	42 2,4,5-Trichlorophenol	196	9.952	9.952	(0.909)	123878	40.0000	36
	43 1,1'-Biphenyl	154	10.137	10.137	(0.926)	426299	40.0000	37
	45 2-Chloronaphthalene	162	10.147	10.147	(0.927)	331450	40.0000	35
	46 2-Nitroaniline	65	10.332	10.332	(0.944)	104679	40.0000	37
$	47 Dimethylphthalate-d6	166	10.599	10.599	(0.968)	451064	40.0000	39
	48 Dimethylphthalate	163	10.630	10.630	(0.971)	412573	40.0000	39
	51 2,6-Dinitrotoluene	165	10.722	10.722	(0.979)	82321	40.0000	37
$	49 Acenaphthylene-d8	160	10.712	10.712	(0.978)	496779	40.0000	36
	50 Acenaphthylene	152	10.733	10.733	(0.980)	440548	40.0000	37
	52 3-Nitroaniline	138	10.907	10.907	(0.996)	58557	40.0000	39(Q)
*	53 Acenaphthene-d10	164	10.948	10.948	(1.000)	270259	40.0000	
	54 Acenaphthene	153	10.989	10.989	(1.004)	274538	40.0000	37
	55 2,4-Dinitrophenol	184	11.041	11.041	(1.008)	38734	40.0000	33
$	56 4-Nitrophenol-d4	143	11.123	11.123	(1.016)	46485	40.0000	37
	57 4-Nitrophenol	109	11.133	11.133	(1.017)	128750	40.0000	37
	58 Dibenzofuran	168	11.205	11.205	(1.023)	401019	40.0000	38
	60 2,4-Dinitrotoluene	165	11.257	11.257	(1.028)	100475	40.0000	38
	61 2,3,4,6-Tetrachlorophenol	232	11.431	11.431	(1.044)	108110	40.0000	37
	62 Diethylphthalate	149	11.606	11.606	(1.060)	456211	40.0000	40
$	63 Fluorene-d10	176	11.637	11.637	(1.063)	293433	40.0000	37
	64 Fluorene	166	11.678	11.678	(1.067)	313084	40.0000	36
	65 4-Chlorophenyl-phenylether	204	11.678	11.678	(1.067)	195506	40.0000	35
	66 4-Nitroaniline	138	11.739	11.739	(1.072)	46499	40.0000	38
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.791	11.791	(0.911)	65351	40.0000	34
	68 4,6-Dinitro-2-methylphenol	198	11.801	11.801	(0.912)	57202	40.0000	36(Q)
	69 N-Nitrosodiphenylamine	169	11.852	11.852	(0.916)	159408	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	70 4-Bromophenyl-phenylether	248	12.345	12.345	(0.954)	136640	40.0000	38
	71 Hexachlorobenzene	284	12.541	12.541	(0.969)	200341	40.0000	38
	72 Atrazine	200	12.612	12.612	(0.975)	108757	40.0000	40
	73 Pentachlorophenol	266	12.777	12.777	(0.987)	91910	40.0000	35
*	74 Phenanthrene-d10	188	12.941	12.941	(1.000)	400146	40.0000	
	75 Phenanthrene	178	12.972	12.972	(1.002)	395820	40.0000	38
$	76 Anthracene-d10	188	13.013	13.013	(1.006)	423721	40.0000	38
	77 Anthracene	178	13.034	13.034	(1.007)	385531	40.0000	38
	78 Carbazole	167	13.260	13.260	(1.025)	300862	40.0000	37
	79 Di-n-butylphthalate	149	13.804	13.804	(1.067)	585449	40.0000	39
	80 Fluoranthene	202	14.595	14.595	(1.128)	420899	40.0000	36
$	82 Pyrene-d10	212	14.872	14.872	(0.900)	423960	40.0000	39
	83 Pyrene	202	14.893	14.893	(0.901)	423061	40.0000	39
	84 Butylbenzylphthalate	149	15.817	15.817	(0.957)	245287	40.0000	37
	85 3,3'-Dichlorobenzidine	252	16.485	16.485	(0.998)	202779	40.0000	40
	86 Benzo(a)anthracene	228	16.506	16.506	(0.999)	449101	40.0000	37
*	87 Chrysene-d12	240	16.526	16.526	(1.000)	478090	40.0000	
	88 Chrysene	228	16.567	16.567	(1.002)	405649	40.0000	37
	89 Bis(2-ethylhexyl)phthalate	149	16.619	16.619	(1.006)	311371	40.0000	37
	90 Di-n-octylphthalate	149	17.389	17.389	(0.946)	531119	40.0000	36
	91 Benzo(b)fluoranthene	252	17.882	17.882	(0.973)	591362	40.0000	40
	92 Benzo(k)fluoranthene	252	17.913	17.913	(0.975)	533144	40.0000	38
$	93 Benzo(a)pyrene-d12	264	18.273	18.273	(0.994)	445531	40.0000	38
	94 Benzo(a)pyrene	252	18.303	18.303	(0.996)	449783	40.0000	38
*	95 Perylene-d12	264	18.375	18.375	(1.000)	482379	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	19.937	19.937	(1.085)	531865	40.0000	36
	97 Dibenzo(a,h)anthracene	278	19.947	19.947	(1.086)	442599	40.0000	36
	98 Benzo(g,h,i)perylene	276	20.378	20.378	(1.109)	436942	40.0000	37

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla07.d

Page 1

Date : 13-AUG-2013 15:56

Client ID: SSTD010LA

Instrument: R.i

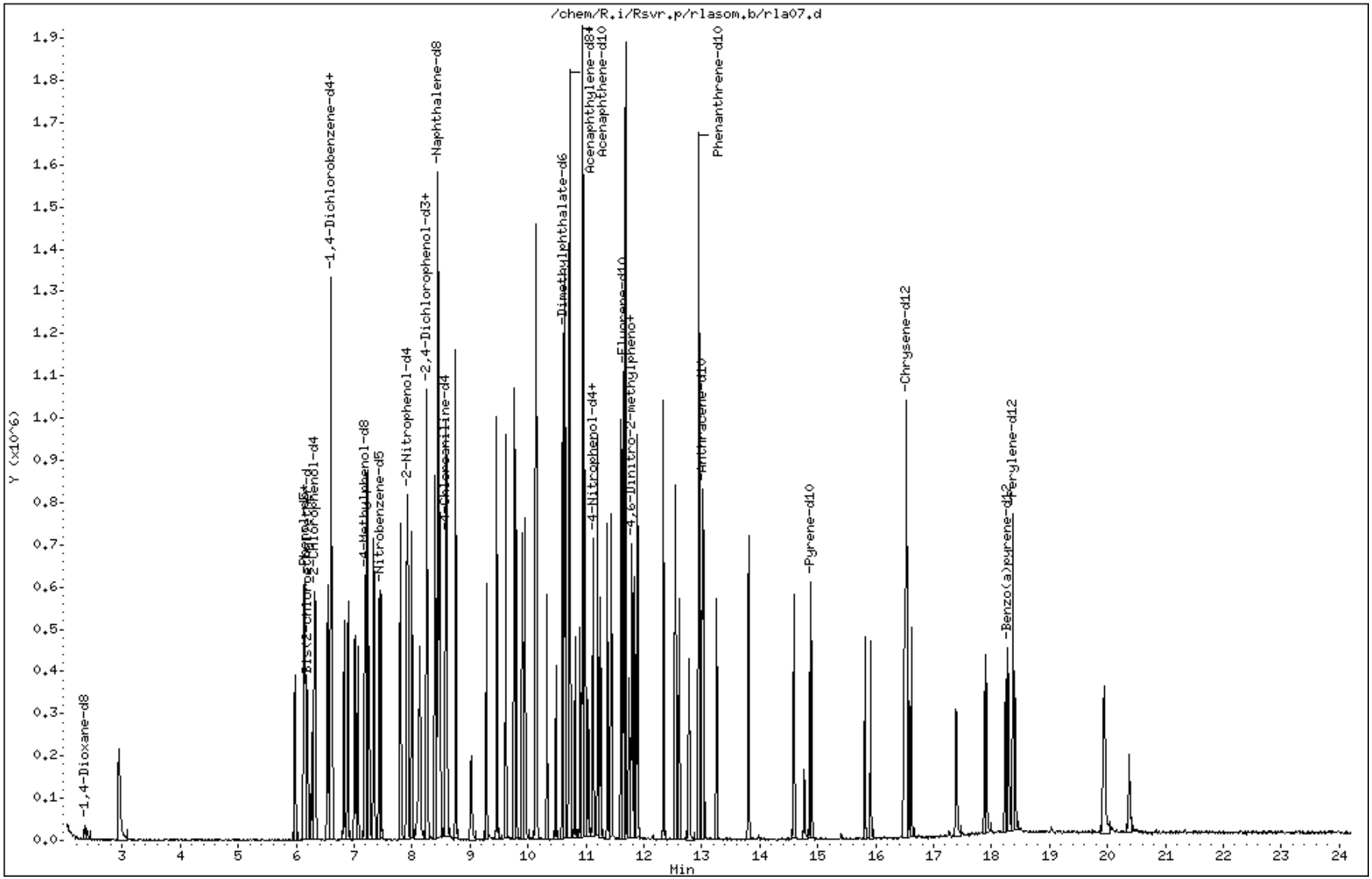
Sample Info: IC

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlasom.b/rla07.d
Lab Smp Id: IC Client Smp ID: SSTD010LA
Inj Date : 13-AUG-2013 15:56
Operator : djb Inst ID: R.i
Smp Info : IC
Misc Info : SSTD010LA
Comment :
Method : /chem/R.i/Rsvr.p/rlasom.b/iSOM12.m
Meth Date : 13-Aug-2013 17:02 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 15:56 Cal File: rla07.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12diox.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

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-Dioxane-d8	96	2.345	2.330	(0.355)	9346	8.00000	9.0
	2 1,4-Dioxane	88	2.396	2.381	(0.363)	8809	8.00000	8.8
	5 Benzaldehyde	77	5.981	5.976	(0.907)	90205	20.0000	22
$	6 Phenol-d5	71	6.135	6.141	(0.930)	123320	20.0000	20
	7 Phenol	94	6.156	6.151	(0.933)	99768	20.0000	18(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	6.197	6.202	(0.939)	101788	20.0000	20
	9 Bis(2-chloroethyl)ether	93	6.269	6.264	(0.950)	81239	20.0000	18
$	10 2-Chlorophenol-d4	132	6.310	6.315	(0.956)	128995	20.0000	20
	11 2-Chlorophenol	128	6.341	6.336	(0.961)	104433	20.0000	19
*	12 1,4-Dichlorobenzene-d4	152	6.597	6.593	(1.000)	188272	40.0000	
	14 2-Methylphenol	108	7.019	7.014	(1.064)	78075	20.0000	18
	15 2,2'-Oxybis(1-chloropropane)	45	7.060	7.065	(1.070)	97617	20.0000	19
$	16 4-Methylphenol-d8	113	7.183	7.189	(1.089)	74647	20.0000	20
	17 Acetophenone	105	7.214	7.219	(1.093)	180171	20.0000	18
	18 4-Methylphenol	108	7.224	7.230	(1.095)	79498	20.0000	18
	20 N-Nitroso-di-n-propylamine	70	7.255	7.261	(1.100)	91087	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 Hexachloroethane	117	7.337	7.343	(1.112)	90768	20.0000	19
$	22 Nitrobenzene-d5	128	7.440	7.435	(0.881)	63672	20.0000	20
	23 Nitrobenzene	77	7.460	7.456	(0.883)	176610	20.0000	18
	24 Isophorone	82	7.799	7.805	(0.923)	297969	20.0000	20
$	25 2-Nitrophenol-d4	143	7.912	7.908	(0.937)	81400	20.0000	20
	26 2-Nitrophenol	139	7.933	7.928	(0.939)	66061	20.0000	18
	27 2,4-Dimethylphenol	107	7.994	7.990	(0.946)	160842	20.0000	18
	28 Bis(2-chloroethoxy)methane	93	8.138	8.134	(0.964)	110984	20.0000	18
$	29 2,4-Dichlorophenol-d3	165	8.251	8.247	(0.977)	152728	20.0000	20
	30 2,4-Dichlorophenol	162	8.261	8.267	(0.978)	112142	20.0000	18
*	31 Naphthalene-d8	136	8.446	8.452	(1.000)	696795	40.0000	
	32 Naphthalene	128	8.477	8.483	(1.004)	296620	20.0000	18
$	33 4-Chloroaniline-d4	131	8.570	8.575	(1.015)	171493	20.0000	22
	34 4-Chloroaniline	127	8.590	8.586	(1.017)	138024	20.0000	19
	35 Hexachlorobutadiene	225	8.755	8.750	(1.036)	158059	20.0000	18
	36 Caprolactam	113	9.022	9.027	(1.068)	27666	20.0000	24
	37 4-Chloro-3-methylphenol	107	9.289	9.284	(1.100)	129634	20.0000	20
	38 2-Methylnaphthalene	142	9.463	9.469	(1.120)	222190	20.0000	19
	39 1,2,4,5-Tetrachlorobenzene	216	9.761	9.757	(0.892)	188075	20.0000	16
	40 Hexachlorocyclopentadiene	237	9.792	9.798	(0.895)	164921	20.0000	14
	41 2,4,6-Trichlorophenol	196	9.905	9.901	(0.905)	110404	20.0000	17
	42 2,4,5-Trichlorophenol	196	9.946	9.952	(0.909)	105327	20.0000	17
	43 1,1'-Biphenyl	154	10.131	10.137	(0.926)	316441	20.0000	16
	45 2-Chloronaphthalene	162	10.141	10.147	(0.927)	264135	20.0000	16
	46 2-Nitroaniline	65	10.326	10.332	(0.944)	105386	20.0000	20
$	47 Dimethylphthalate-d6	166	10.604	10.599	(0.969)	465326	20.0000	21
	48 Dimethylphthalate	163	10.634	10.630	(0.972)	381711	20.0000	20
	51 2,6-Dinitrotoluene	165	10.717	10.722	(0.979)	72784	20.0000	18
$	49 Acenaphthylene-d8	160	10.717	10.712	(0.979)	491295	20.0000	20
	50 Acenaphthylene	152	10.727	10.733	(0.980)	384180	20.0000	18
	52 3-Nitroaniline	138	10.902	10.907	(0.996)	52289	20.0000	19(Q)
*	53 Acenaphthene-d10	164	10.943	10.948	(1.000)	498802	40.0000	
	54 Acenaphthene	153	10.984	10.989	(1.004)	236991	20.0000	18
	55 2,4-Dinitrophenol	184	11.035	11.041	(1.008)	32380	20.0000	16
$	56 4-Nitrophenol-d4	143	11.117	11.123	(1.016)	41044	20.0000	18
	57 4-Nitrophenol	109	11.127	11.133	(1.017)	106606	20.0000	17
	58 Dibenzofuran	168	11.199	11.205	(1.023)	359127	20.0000	19
	60 2,4-Dinitrotoluene	165	11.251	11.257	(1.028)	81922	20.0000	18
	61 2,3,4,6-Tetrachlorophenol	232	11.436	11.431	(1.045)	95235	20.0000	18
	62 Diethylphthalate	149	11.600	11.606	(1.060)	402087	20.0000	19
$	63 Fluorene-d10	176	11.641	11.637	(1.064)	309218	20.0000	21
	64 Fluorene	166	11.682	11.678	(1.068)	277998	20.0000	18
	65 4-Chlorophenyl-phenylether	204	11.682	11.678	(1.068)	178348	20.0000	18
	66 4-Nitroaniline	138	11.744	11.739	(1.073)	34393	20.0000	16(Q)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.795	11.791	(0.911)	54764	20.0000	17
	68 4,6-Dinitro-2-methylphenol	198	11.805	11.801	(0.912)	44279	20.0000	17(M)
	69 N-Nitrosodiphenylamine	169	11.847	11.852	(0.915)	142243	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	70 4-Bromophenyl-phenylether	248	12.340	12.345	(0.953)	121636	20.0000	19
	71 Hexachlorobenzene	284	12.545	12.541	(0.969)	168109	20.0000	18
	72 Atrazine	200	12.607	12.612	(0.974)	82768	20.0000	18
	73 Pentachlorophenol	266	12.781	12.777	(0.987)	69267	20.0000	16
*	74 Phenanthrene-d10	188	12.946	12.941	(1.000)	708136	40.0000	
	75 Phenanthrene	178	12.977	12.972	(1.002)	326616	20.0000	18
$	76 Anthracene-d10	188	13.007	13.013	(1.005)	392668	20.0000	20
	77 Anthracene	178	13.038	13.034	(1.007)	312258	20.0000	18
	78 Carbazole	167	13.254	13.260	(1.024)	221003	20.0000	16
	79 Di-n-butylphthalate	149	13.809	13.804	(1.067)	431771	20.0000	17
	80 Fluoranthene	202	14.589	14.595	(1.127)	279466	20.0000	15
$	82 Pyrene-d10	212	14.867	14.872	(0.899)	320759	20.0000	25
	83 Pyrene	202	14.898	14.893	(0.901)	282651	20.0000	23
	84 Butylbenzylphthalate	149	15.812	15.817	(0.956)	129203	20.0000	19
	85 3,3'-Dichlorobenzidine	252	16.490	16.485	(0.998)	93608	20.0000	18
	86 Benzo(a)anthracene	228	16.510	16.506	(0.999)	222861	20.0000	18
*	87 Chrysene-d12	240	16.531	16.526	(1.000)	511209	40.0000	
	88 Chrysene	228	16.562	16.567	(1.002)	211412	20.0000	19
	89 Bis(2-ethylhexyl)phthalate	149	16.613	16.619	(1.005)	156920	20.0000	18
	90 Di-n-octylphthalate	149	17.394	17.389	(0.947)	252948	20.0000	16
	91 Benzo(b)fluoranthene	252	17.887	17.882	(0.974)	256265	20.0000	17
	92 Benzo(k)fluoranthene	252	17.907	17.913	(0.975)	293205	20.0000	19
$	93 Benzo(a)pyrene-d12	264	18.267	18.273	(0.994)	261963	20.0000	20
	94 Benzo(a)pyrene	252	18.298	18.303	(0.996)	246660	20.0000	19
*	95 Perylene-d12	264	18.370	18.375	(1.000)	536605	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	19.931	19.937	(1.085)	267408	20.0000	17
	97 Dibenzo(a,h)anthracene	278	19.952	19.947	(1.086)	231137	20.0000	18
	98 Benzo(g,h,i)perylene	276	20.373	20.378	(1.109)	233815	20.0000	18

QC Flag Legend

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

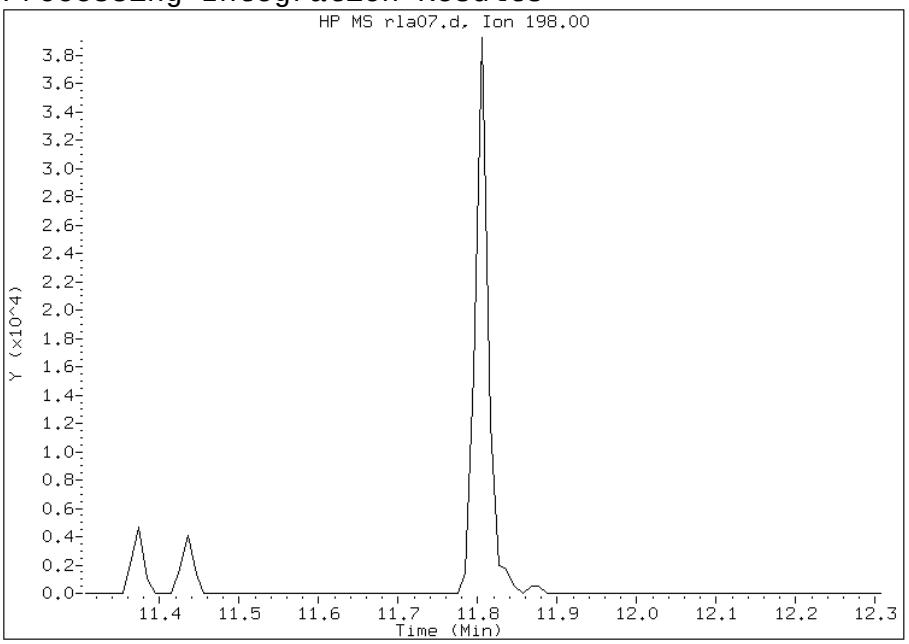
Manual Integration Report

Data File: rla07.d
Lab Sample ID: IC
Inj. Date and Time: 13-AUG-2013 15:56
Instrument ID: R.i
Client ID: SSTD010LA
Compound: 68 4,6-Dinitro-2-methylphenol
CAS #: 534-52-1
Report Date: 08/14/2013

Processing Integration Results

Not Detected

Expected RT: 11.81



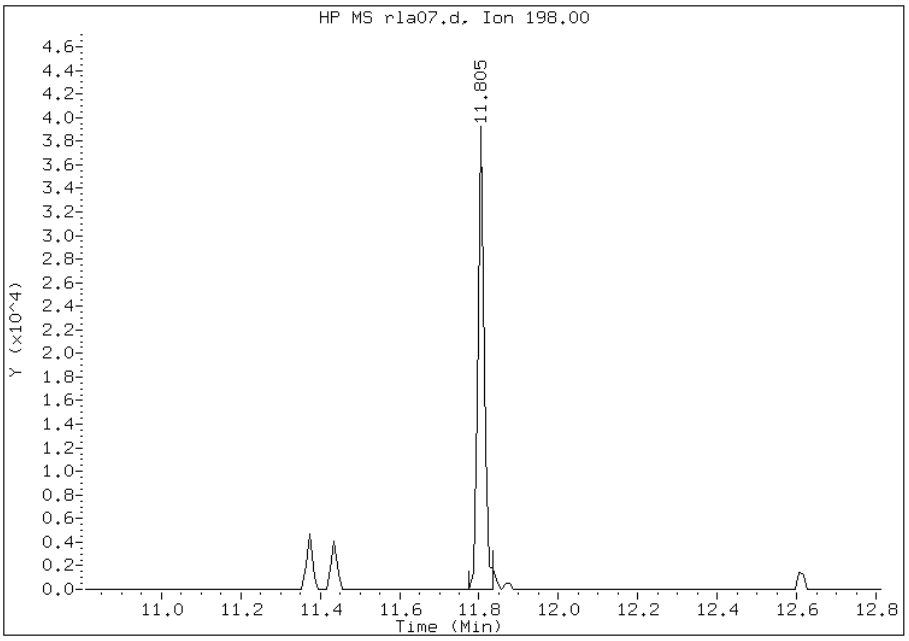
Manual Integration Results

RT: 11.81

Response: 44279

Amount: 16.52

Conc: 16.52



File Uploaded By: je
Manual Integration Reason: Baseline event

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla08.d

Page 1

Date : 13-AUG-2013 16:32

Client ID: SSTD005LA

Instrument: R.i

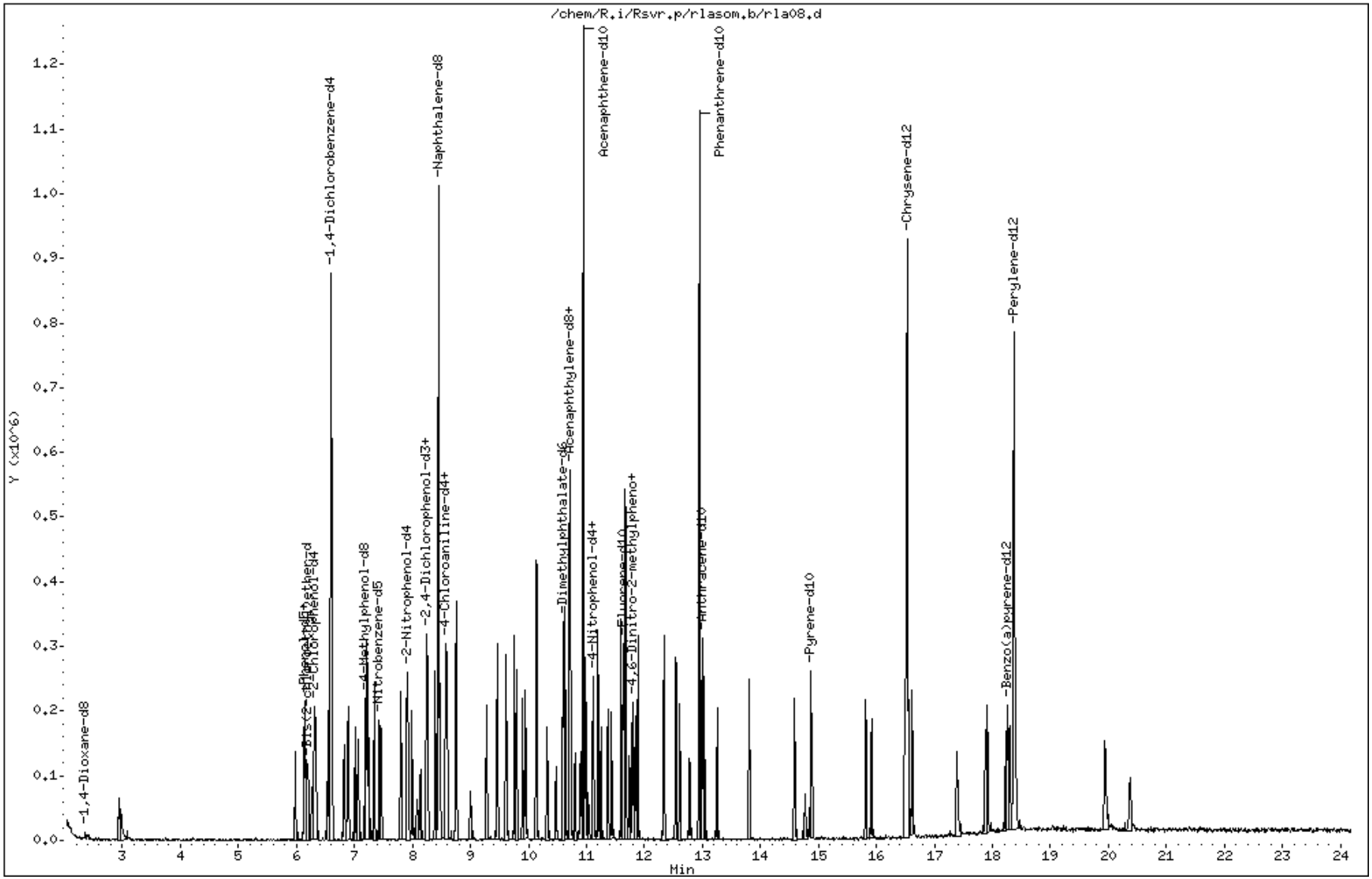
Sample Info: IC

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlasom.b/rla08.d
Lab Smp Id: IC Client Smp ID: SSTD005LA
Inj Date : 13-AUG-2013 16:32
Operator : djb Inst ID: R.i
Smp Info : IC
Misc Info : SSTD005LA
Comment :
Method : /chem/R.i/Rsvr.p/rlasom.b/iSOM12.m
Meth Date : 13-Aug-2013 17:25 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12diox.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

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-Dioxane-d8	96	2.354	2.330	(0.357)	2027	4.00000	3.1(QM)
	2 1,4-Dioxane	88	2.406	2.381	(0.365)	2767	4.00000	4.2(QM)
	5 Benzaldehyde	77	5.981	5.976	(0.907)	30691	10.0000	11
$	6 Phenol-d5	71	6.135	6.141	(0.930)	41742	10.0000	10
	7 Phenol	94	6.145	6.151	(0.931)	32787	10.0000	9.1(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	6.196	6.202	(0.939)	33959	10.0000	10
	9 Bis(2-chloroethyl)ether	93	6.268	6.264	(0.950)	27580	10.0000	9.6
$	10 2-Chlorophenol-d4	132	6.309	6.315	(0.956)	42189	10.0000	9.8
	11 2-Chlorophenol	128	6.330	6.336	(0.960)	32343	10.0000	9.0
*	12 1,4-Dichlorobenzene-d4	152	6.597	6.593	(1.000)	123777	40.0000	
	14 2-Methylphenol	108	7.008	7.014	(1.062)	22186	10.0000	8.2
	15 2,2'-Oxybis(1-chloropropane)	45	7.059	7.065	(1.070)	31673	10.0000	9.6
$	16 4-Methylphenol-d8	113	7.182	7.189	(1.089)	22865	10.0000	9.4
	17 Acetophenone	105	7.213	7.219	(1.093)	56369	10.0000	8.9
	18 4-Methylphenol	108	7.224	7.230	(1.095)	23876	10.0000	8.5
	20 N-Nitroso-di-n-propylamine	70	7.254	7.261	(1.100)	26813	10.0000	8.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 Hexachloroethane	117	7.337	7.343	(1.112)	28782	10.0000	9.2
$	22 Nitrobenzene-d5	128	7.439	7.435	(0.881)	19758	10.0000	10
	23 Nitrobenzene	77	7.460	7.456	(0.883)	54900	10.0000	9.5
	24 Isophorone	82	7.799	7.805	(0.923)	89575	10.0000	10(T)
$	25 2-Nitrophenol-d4	143	7.912	7.908	(0.937)	24259	10.0000	9.9
	26 2-Nitrophenol	139	7.932	7.928	(0.939)	18008	10.0000	8.6
	27 2,4-Dimethylphenol	107	7.994	7.990	(0.946)	47102	10.0000	9.0
	28 Bis(2-chloroethoxy)methane	93	8.138	8.134	(0.964)	36481	10.0000	9.7
$	29 2,4-Dichlorophenol-d3	165	8.251	8.247	(0.977)	45508	10.0000	10
	30 2,4-Dichlorophenol	162	8.261	8.267	(0.978)	33943	10.0000	9.1
*	31 Naphthalene-d8	136	8.446	8.452	(1.000)	417083	40.0000	
	32 Naphthalene	128	8.477	8.483	(1.004)	88607	10.0000	9.1
$	33 4-Chloroaniline-d4	131	8.569	8.575	(1.015)	48513	10.0000	10
	34 4-Chloroaniline	127	8.580	8.586	(1.016)	40212	10.0000	9.5
	35 Hexachlorobutadiene	225	8.754	8.750	(1.036)	50920	10.0000	9.7
	36 Caprolactam	113	9.001	9.027	(1.066)	8305	10.0000	12(QM)
	37 4-Chloro-3-methylphenol	107	9.278	9.284	(1.099)	39870	10.0000	10
	38 2-Methylnaphthalene	142	9.463	9.469	(1.120)	68689	10.0000	9.8
	39 1,2,4,5-Tetrachlorobenzene	216	9.761	9.757	(0.892)	57586	10.0000	8.4
	40 Hexachlorocyclopentadiene	237	9.792	9.798	(0.895)	43586	10.0000	6.6
	41 2,4,6-Trichlorophenol	196	9.905	9.901	(0.905)	28953	10.0000	7.9
	42 2,4,5-Trichlorophenol	196	9.946	9.952	(0.909)	31214	10.0000	8.8
	43 1,1'-Biphenyl	154	10.131	10.137	(0.926)	93774	10.0000	8.1
	45 2-Chloronaphthalene	162	10.141	10.147	(0.927)	77196	10.0000	8.2
	46 2-Nitroaniline	65	10.326	10.332	(0.944)	27982	10.0000	8.8(a)
$	47 Dimethylphthalate-d6	166	10.593	10.599	(0.968)	145626	10.0000	11
	48 Dimethylphthalate	163	10.634	10.630	(0.972)	112602	10.0000	9.7(TQ)
	51 2,6-Dinitrotoluene	165	10.716	10.722	(0.979)	20460	10.0000	8.7
$	49 Acenaphthylene-d8	160	10.706	10.712	(0.978)	147556	10.0000	9.8
	50 Acenaphthylene	152	10.726	10.733	(0.980)	114776	10.0000	9.1
	52 3-Nitroaniline	138	10.901	10.907	(0.996)	14750	10.0000	9.0(aQ)
*	53 Acenaphthene-d10	164	10.942	10.948	(1.000)	300597	40.0000	
	54 Acenaphthene	153	10.983	10.989	(1.004)	66547	10.0000	8.6
	55 2,4-Dinitrophenol	184	11.035	11.041	(1.008)	7720	10.0000	6.4(aQ)
$	56 4-Nitrophenol-d4	143	11.117	11.123	(1.016)	11728	10.0000	8.7(aQ)
	57 4-Nitrophenol	109	11.127	11.133	(1.017)	34493	10.0000	9.4(a)
	58 Dibenzofuran	168	11.199	11.205	(1.023)	106490	10.0000	9.3
	60 2,4-Dinitrotoluene	165	11.250	11.257	(1.028)	24794	10.0000	9.1(T)
	61 2,3,4,6-Tetrachlorophenol	232	11.435	11.431	(1.045)	28632	10.0000	9.3
	62 Diethylphthalate	149	11.600	11.606	(1.060)	132470	10.0000	11
$	63 Fluorene-d10	176	11.641	11.637	(1.064)	93088	10.0000	10
	64 Fluorene	166	11.672	11.678	(1.067)	82883	10.0000	9.1
	65 4-Chlorophenyl-phenylether	204	11.682	11.678	(1.068)	52115	10.0000	9.0
	66 4-Nitroaniline	138	11.733	11.739	(1.072)	10803	10.0000	8.5(aQ)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.795	11.791	(0.911)	15201	10.0000	7.3(a)
	68 4,6-Dinitro-2-methylphenol	198	11.805	11.801	(0.912)	13759	10.0000	7.9(aM)
	69 N-Nitrosodiphenylamine	169	11.846	11.852	(0.915)	43684	10.0000	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	70 4-Bromophenyl-phenylether	248	12.339	12.345	(0.953)	36961	10.0000	9.2
	71 Hexachlorobenzene	284	12.545	12.541	(0.969)	52190	10.0000	9.0
	72 Atrazine	200	12.606	12.612	(0.974)	27607	10.0000	9.3
	73 Pentachlorophenol	266	12.781	12.777	(0.987)	21981	10.0000	7.8(a)
*	74 Phenanthrene-d10	188	12.945	12.941	(1.000)	459576	40.0000	
	75 Phenanthrene	178	12.976	12.972	(1.002)	103971	10.0000	9.2
$	76 Anthracene-d10	188	13.007	13.013	(1.005)	127899	10.0000	10
	77 Anthracene	178	13.038	13.034	(1.007)	101337	10.0000	9.1
	78 Carbazole	167	13.254	13.260	(1.024)	80407	10.0000	9.3
	79 Di-n-butylphthalate	149	13.808	13.804	(1.067)	147096	10.0000	9.1
	80 Fluoranthene	202	14.589	14.595	(1.127)	102514	10.0000	8.7
$	82 Pyrene-d10	212	14.866	14.872	(0.899)	122951	10.0000	10
	83 Pyrene	202	14.887	14.893	(0.901)	101032	10.0000	9.2
	84 Butylbenzylphthalate	149	15.811	15.817	(0.956)	59505	10.0000	9.5
	85 3,3'-Dichlorobenzidine	252	16.489	16.485	(0.998)	47631	10.0000	9.9
	86 Benzo(a)anthracene	228	16.510	16.506	(0.999)	102222	10.0000	9.1
*	87 Chrysene-d12	240	16.530	16.526	(1.000)	468154	40.0000	
	88 Chrysene	228	16.561	16.567	(1.002)	94152	10.0000	9.3
	89 Bis(2-ethylhexyl)phthalate	149	16.613	16.619	(1.005)	74162	10.0000	9.4
	90 Di-n-octylphthalate	149	17.383	17.389	(0.946)	113283	10.0000	8.1
	91 Benzo(b)fluoranthene	252	17.886	17.882	(0.974)	124259	10.0000	8.8
	92 Benzo(k)fluoranthene	252	17.907	17.913	(0.975)	131400	10.0000	9.2
$	93 Benzo(a)pyrene-d12	264	18.267	18.273	(0.994)	131083	10.0000	10
	94 Benzo(a)pyrene	252	18.297	18.303	(0.996)	119175	10.0000	9.7
*	95 Perylene-d12	264	18.369	18.375	(1.000)	505215	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	19.931	19.937	(1.085)	114169	10.0000	8.1
	97 Dibenzo(a,h)anthracene	278	19.951	19.947	(1.086)	100939	10.0000	8.4
	98 Benzo(g,h,i)perylene	276	20.372	20.378	(1.109)	111122	10.0000	9.4

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

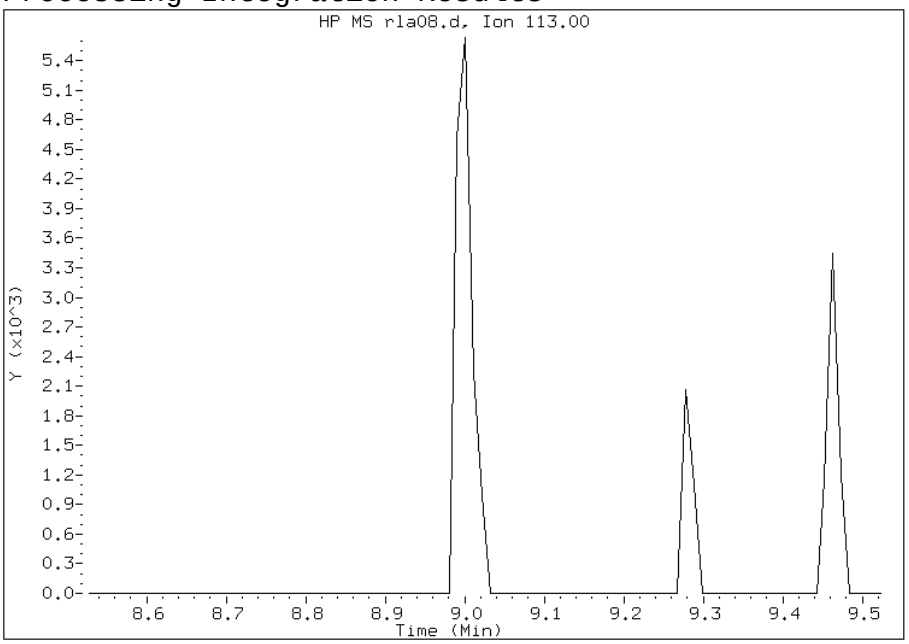
Manual Integration Report

Data File: rla08.d
Lab Sample ID: IC
Inj. Date and Time: 13-AUG-2013 16:32
Instrument ID: R.i
Client ID: SSTD005LA
Compound: 36 Caprolactam
CAS #: 105-60-2
Report Date: 08/14/2013

Processing Integration Results

Not Detected

Expected RT: 9.02



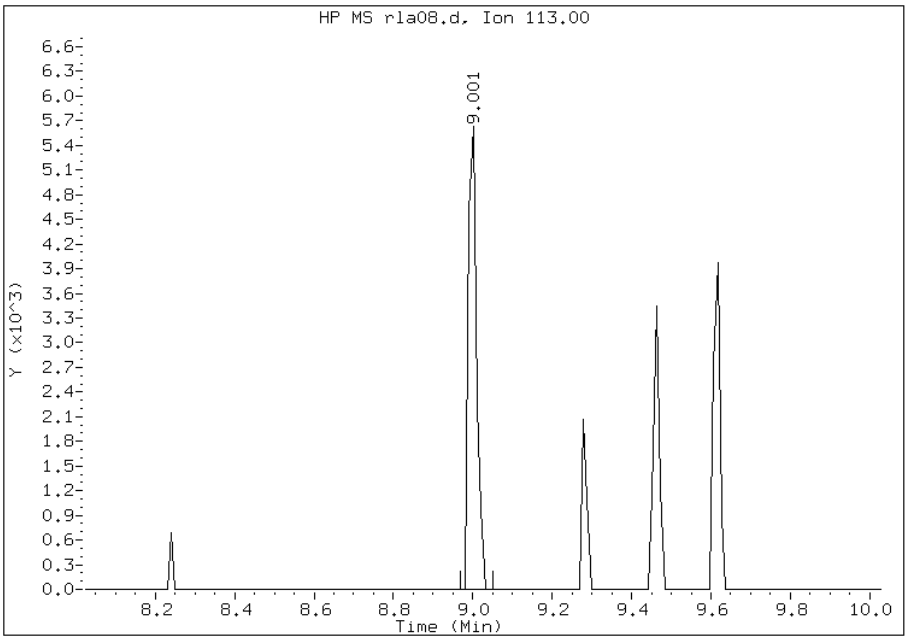
Manual Integration Results

RT: 9.00

Response: 8305

Amount: 11.53

Conc: 11.53



File Uploaded By: je
Manual Integration Reason: Baseline event

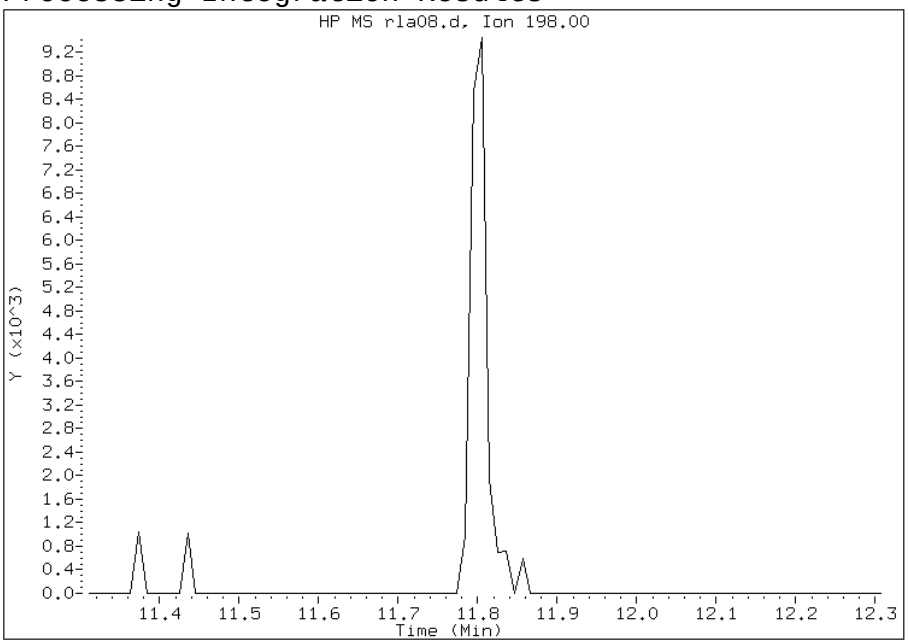
Manual Integration Report

Data File: rla08.d
Lab Sample ID: IC
Inj. Date and Time: 13-AUG-2013 16:32
Instrument ID: R.i
Client ID: SSTD005LA
Compound: 68 4,6-Dinitro-2-methylphenol
CAS #: 534-52-1
Report Date: 08/14/2013

Processing Integration Results

Not Detected

Expected RT: 11.81



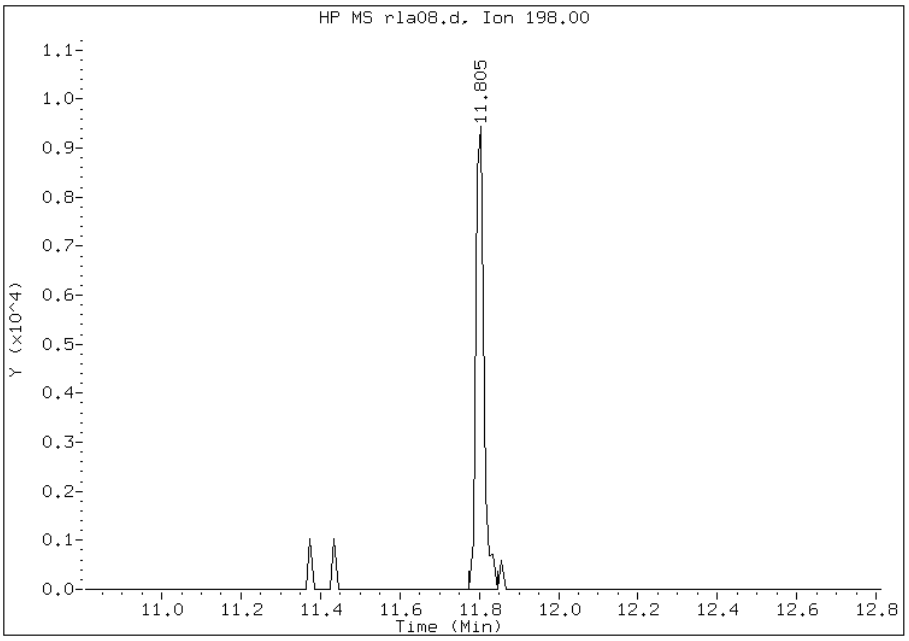
Manual Integration Results

RT: 11.81

Response: 13759

Amount: 7.91

Conc: 7.91



File Uploaded By: je
Manual Integration Reason: Baseline event

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1036

Lab File ID: RLAAU03.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.899	0.898	0.010	-0.2	40.0
Phenol	1.164	0.950	0.800	-18.4	25.0
Bis(2-chloroethyl)ether	0.928	0.859	0.700	-7.4	25.0
2-Chlorophenol	1.161	1.021	0.800	-12.1	25.0
2-Methylphenol	0.873	0.685	0.700	-21.5	25.0
2,2'-Oxybis(1-chloropropane)	1.071	1.121	0.010	4.6	40.0
Acetophenone	2.048	1.379	0.010	-32.7	40.0
4-Methylphenol	0.912	0.654	0.600	-28.3	25.0
N-Nitroso-di-n-propylamine	1.012	0.822	0.500	-18.7	25.0
Hexachloroethane	1.016	1.040	0.300	2.4	25.0
Nitrobenzene	0.553	0.540	0.200	-2.5	25.0
Isophorone	0.861	0.847	0.400	-1.7	25.0
2-Nitrophenol	0.200	0.194	0.100	-3.2	25.0
2,4-Dimethylphenol	0.500	0.441	0.200	-11.8	25.0
Bis(2-chloroethoxy)methane	0.359	0.360	0.300	0.3	25.0
2,4-Dichlorophenol	0.358	0.308	0.200	-14.0	25.0
Naphthalene	0.932	0.911	0.700	-2.2	25.0
4-Chloroaniline	0.406	0.312	0.010	-23.1	40.0
Hexachlorobutadiene	0.502	0.548	0.010	9.2	40.0
Caprolactam	0.069	0.067	0.010	-2.9	40.0
4-Chloro-3-methylphenol	0.376	0.300	0.200	-20.3	25.0
2-Methylnaphthalene	0.674	0.638	0.400	-5.4	25.0
Hexachlorocyclopentadiene	0.883	0.876	0.010	-0.8	40.0
2,4,6-Trichlorophenol	0.486	0.435	0.200	-10.5	25.0
2,4,5-Trichlorophenol	0.475	0.473	0.200	-0.4	25.0
1,1'-Biphenyl	1.535	1.316	0.010	-14.3	40.0
2-Chloronaphthalene	1.252	1.164	0.800	-7.0	25.0
2-Nitroaniline	0.421	0.440	0.010	4.6	40.0
Dimethylphthalate	1.546	1.666	0.010	7.8	40.0
2,6-Dinitrotoluene	0.311	0.301	0.200	-3.4	25.0
Acenaphthylene	1.681	1.614	0.900	-4.0	25.0
3-Nitroaniline	0.217	0.230	0.010	5.8	40.0
Acenaphthene	1.024	0.991	0.900	-3.3	25.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1036

Lab File ID: RLAAU03.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.161	0.151	0.010	-6.2	40.0
4-Nitrophenol	0.489	0.586	0.010	19.9	40.0
Dibenzofuran	1.519	1.533	0.800	0.9	25.0
2,4-Dinitrotoluene	0.364	0.398	0.200	9.3	25.0
Diethylphthalate	1.678	1.875	0.010	11.8	40.0
Fluorene	1.211	1.188	0.900	-1.9	25.0
4-Chlorophenyl-phenylether	0.772	0.746	0.400	-3.3	25.0
4-Nitroaniline	0.169	0.196	0.010	16.1	40.0
4,6-Dinitro-2-methylphenol	0.151	0.144	0.010	-4.6	40.0
N-Nitrosodiphenylamine (1)	0.405	0.386	0.010	-4.7	40.0
1,2,4,5-Tetrachlorobenzene	0.917	0.885	0.010	-3.5	40.0
4-Bromophenyl-phenylether	0.350	0.343	0.100	-1.8	25.0
Hexachlorobenzene	0.503	0.513	0.100	2.1	25.0
Atrazine	0.259	0.228	0.010	-12.0	40.0
Pentachlorophenol	0.247	0.234	0.050	-5.2	25.0
Phenanthrene	0.982	1.004	0.700	2.2	25.0
Anthracene	0.965	0.982	0.700	1.7	25.0
Carbazole	0.754	0.741	0.010	-1.7	40.0
Di-n-butylphthalate	1.401	1.522	0.010	8.7	40.0
Fluoranthene	1.031	1.016	0.600	-1.5	25.0
Pyrene	0.939	1.119	0.600	19.2	25.0
Butylbenzylphthalate	0.534	0.602	0.010	12.7	40.0
3,3'-Dichlorobenzidine	0.410	0.435	0.010	6.0	40.0
Benzo(a)anthracene	0.958	0.987	0.800	2.9	25.0
Chrysene	0.870	0.847	0.700	-2.6	25.0
Bis(2-ethylhexyl)phthalate	0.674	0.749	0.010	11.2	40.0
Di-n-octylphthalate	1.106	1.157	0.010	4.6	40.0
Benzo(b)fluoranthene	1.119	1.193	0.700	6.6	25.0
Benzo(k)fluoranthene	1.133	1.073	0.700	-5.3	25.0
Benzo(a)pyrene	0.969	0.976	0.700	0.8	25.0
Indeno(1,2,3-cd)pyrene	1.116	1.274	0.500	14.2	25.0
Dibenzo(a,h)anthracene	0.947	1.058	0.400	11.8	25.0
Benzo(g,h,i)perylene	0.936	1.043	0.500	11.4	25.0
2,3,4,6-Tetrachlorophenol	0.410	0.441	0.100	7.5	25.0

(1) Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1036

Lab File ID: RLAAU03.D Init. Calib. Date(s): 08/13/2013 08/13/2013

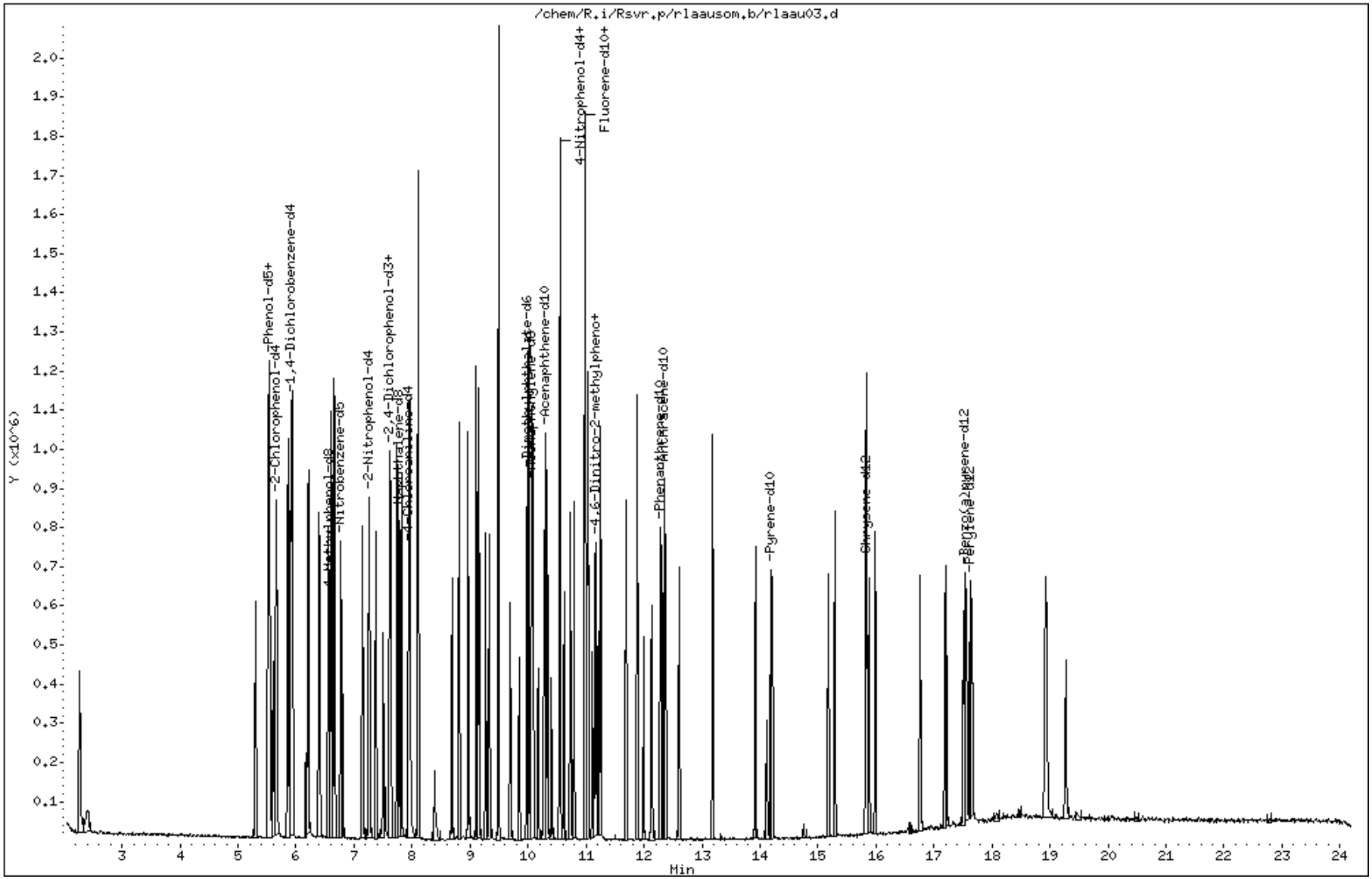
EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	1.300	0.985	0.010	-24.2	25.0
Bis(2-chloroethyl)ether-d8	1.099	1.065	0.010	-3.1	25.0
2-Chlorophenol-d4	1.386	1.178	0.010	-15.0	25.0
4-Methylphenol-d8	0.783	0.522	0.010	-33.4	25.0
Nitrobenzene-d5	0.187	0.186	0.010	-0.7	25.0
2-Nitrophenol-d4	0.235	0.219	0.010	-6.9	25.0
2,4-Dichlorophenol-d3	0.438	0.341	0.010	-22.2	25.0
4-Chloroaniline-d4	0.453	0.360	0.010	-20.5	40.0
Dimethylphthalate-d6	1.792	1.822	0.010	1.7	40.0
Acenaphthylene-d8	2.000	1.838	0.010	-8.1	25.0
4-Nitrophenol-d4	0.179	0.195	0.010	8.9	40.0
Fluorene-d10	1.200	1.216	0.010	1.4	25.0
4,6-Dinitro-2-methylphenol-d2	0.182	0.167	0.010	-8.3	40.0
Anthracene-d10	1.110	1.023	0.010	-7.8	25.0
Pyrene-d10	1.005	1.107	0.010	10.1	25.0
Benzo(a)pyrene-d12	0.992	0.946	0.010	-4.6	25.0

Data File: /chem/R.i/Rsvr.p/rlaausom.b/rlaau03.d
Date : 21-AUG-2013 10:36
Client ID: SSTD020AU
Sample Info: CCVIS
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaausom.b/rlaau03.d
Lab Smp Id: CCVIS Client Smp ID: SSTD020AU
Inj Date : 21-AUG-2013 10:36
Operator : djb Inst ID: R.i
Smp Info : CCVIS
Misc Info : SSTD020AU
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 21-Aug-2013 11:26 djb Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	5 Benzaldehyde	77	5.299	5.299	(0.896)	128574	40.0000	40
$	6 Phenol-d5	71	5.525	5.525	(0.934)	141115	40.0000	30(Q)
	7 Phenol	94	5.536	5.536	(0.936)	136046	40.0000	33
$	8 Bis(2-chloroethyl)ether-d8	67	5.546	5.546	(0.937)	152523	40.0000	39(Q)
	9 Bis(2-chloroethyl)ether	93	5.608	5.608	(0.948)	123034	40.0000	37
$	10 2-Chlorophenol-d4	132	5.649	5.649	(0.955)	168757	40.0000	34
	11 2-Chlorophenol	128	5.669	5.669	(0.958)	146262	40.0000	35
*	12 1,4-Dichlorobenzene-d4	152	5.916	5.916	(1.000)	143251	40.0000	
	14 2-Methylphenol	108	6.388	6.388	(1.080)	98110	40.0000	31
	15 2,2'-Oxybis(1-chloropropane)	45	6.409	6.409	(1.083)	160530	40.0000	42(Q)
$	16 4-Methylphenol-d8	113	6.573	6.573	(1.111)	74768	40.0000	27
	17 Acetophenone	105	6.553	6.553	(1.108)	197569	40.0000	27(Q)
	18 4-Methylphenol	108	6.604	6.604	(1.116)	93666	40.0000	29
	20 N-Nitroso-di-n-propylamine	70	6.604	6.604	(1.116)	117818	40.0000	33
	21 Hexachloroethane	117	6.655	6.655	(1.125)	149047	40.0000	41
$	22 Nitrobenzene-d5	128	6.768	6.768	(0.868)	71353	40.0000	40(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	23 Nitrobenzene	77	6.799	6.799	(0.872)	207272	40.0000	39
	24 Isophorone	82	7.148	7.148	(0.917)	325265	40.0000	39
$	25 2-Nitrophenol-d4	143	7.251	7.251	(0.930)	84131	40.0000	37
	26 2-Nitrophenol	139	7.272	7.272	(0.933)	74454	40.0000	39
	27 2,4-Dimethylphenol	107	7.374	7.374	(0.946)	169315	40.0000	35
	28 Bis(2-chloroethoxy)methane	93	7.508	7.508	(0.963)	138301	40.0000	40
$	29 2,4-Dichlorophenol-d3	165	7.611	7.611	(0.976)	131051	40.0000	31
	30 2,4-Dichlorophenol	162	7.631	7.631	(0.979)	118156	40.0000	34
*	31 Naphthalene-d8	136	7.796	7.796	(1.000)	384100	40.0000	
	32 Naphthalene	128	7.816	7.816	(1.003)	350077	40.0000	39
$	33 4-Chloroaniline-d4	131	7.939	7.939	(1.018)	138371	40.0000	32
	34 4-Chloroaniline	127	7.950	7.950	(1.020)	119730	40.0000	31
	35 Hexachlorobutadiene	225	8.104	8.104	(1.040)	210419	40.0000	44
	36 Caprolactam	113	8.391	8.391	(1.076)	25754	40.0000	39
	37 4-Chloro-3-methylphenol	107	8.689	8.689	(1.115)	115218	40.0000	32
	38 2-Methylnaphthalene	142	8.813	8.813	(1.130)	244864	40.0000	38
	39 1,2,4,5-Tetrachlorobenzene	216	9.110	9.110	(0.885)	192198	40.0000	39
	40 Hexachlorocyclopentadiene	237	9.152	9.152	(0.889)	190156	40.0000	40
	41 2,4,6-Trichlorophenol	196	9.275	9.275	(0.901)	94444	40.0000	36
	42 2,4,5-Trichlorophenol	196	9.326	9.326	(0.906)	102665	40.0000	40
	43 1,1'-Biphenyl	154	9.491	9.491	(0.922)	285839	40.0000	34
	45 2-Chloronaphthalene	162	9.491	9.491	(0.922)	252740	40.0000	37
	46 2-Nitroaniline	65	9.696	9.696	(0.942)	95652	40.0000	42
$	47 Dimethylphthalate-d6	166	9.984	9.984	(0.970)	395685	40.0000	41
	48 Dimethylphthalate	163	10.014	10.014	(0.973)	361810	40.0000	43
	51 2,6-Dinitrotoluene	165	10.097	10.097	(0.981)	65299	40.0000	39
$	49 Acenaphthylene-d8	160	10.056	10.056	(0.977)	399153	40.0000	37
	50 Acenaphthylene	152	10.076	10.076	(0.979)	350514	40.0000	38
	52 3-Nitroaniline	138	10.271	10.271	(0.998)	49915	40.0000	42
*	53 Acenaphthene-d10	164	10.292	10.292	(1.000)	217173	40.0000	
	54 Acenaphthene	153	10.333	10.333	(1.004)	215109	40.0000	39
	55 2,4-Dinitrophenol	184	10.405	10.405	(1.011)	32884	40.0000	38
$	56 4-Nitrophenol-d4	143	10.538	10.538	(1.024)	42374	40.0000	44(Q)
	57 4-Nitrophenol	109	10.549	10.549	(1.025)	127328	40.0000	48(Q)
	58 Dibenzofuran	168	10.549	10.549	(1.025)	332849	40.0000	40
	60 2,4-Dinitrotoluene	165	10.620	10.620	(1.032)	86461	40.0000	44(Q)
	61 2,3,4,6-Tetrachlorophenol	232	10.795	10.795	(1.049)	95757	40.0000	43
	62 Diethylphthalate	149	10.980	10.980	(1.067)	407273	40.0000	45
$	63 Fluorene-d10	176	10.980	10.980	(1.067)	264175	40.0000	41
	64 Fluorene	166	11.021	11.021	(1.071)	257990	40.0000	39
	65 4-Chlorophenyl-phenylether	204	11.042	11.042	(1.073)	162008	40.0000	39
	66 4-Nitroaniline	138	11.114	11.114	(1.080)	42621	40.0000	46(Q)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.155	11.155	(0.903)	57073	40.0000	37
	68 4,6-Dinitro-2-methylphenol	198	11.165	11.165	(0.904)	49374	40.0000	38(Q)
	69 N-Nitrosodiphenylamine	169	11.216	11.216	(0.908)	131833	40.0000	38
	70 4-Bromophenyl-phenylether	248	11.699	11.699	(0.948)	117341	40.0000	39
	71 Hexachlorobenzene	284	11.884	11.884	(0.963)	175380	40.0000	41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Atrazine	200	11.997	11.997	(0.972)	77941	40.0000	35
	73 Pentachlorophenol	266	12.131	12.131	(0.983)	80003	40.0000	38
*	74 Phenanthrene-d10	188	12.285	12.285	(1.000)	341775	40.0000	(H)
	75 Phenanthrene	178	12.315	12.315	(0.998)	343096	40.0000	41(H)
$	76 Anthracene-d10	188	12.346	12.346	(1.000)	349610	40.0000	37
	77 Anthracene	178	12.367	12.367	(1.002)	335679	40.0000	41
	78 Carbazole	167	12.603	12.603	(1.021)	253296	40.0000	39
	79 Di-n-butylphthalate	149	13.178	13.178	(1.067)	520257	40.0000	43
	80 Fluoranthene	202	13.918	13.918	(1.127)	347165	40.0000	39
$	82 Pyrene-d10	212	14.185	14.185	(0.895)	346656	40.0000	44
	83 Pyrene	202	14.216	14.216	(0.897)	350356	40.0000	48
	84 Butylbenzylphthalate	149	15.181	15.181	(0.958)	188426	40.0000	45
	85 3,3'-Dichlorobenzidine	252	15.829	15.829	(0.999)	136083	40.0000	42
	86 Benzo(a)anthracene	228	15.829	15.829	(0.999)	308880	40.0000	41
*	87 Chrysene-d12	240	15.849	15.849	(1.000)	313093	40.0000	
	88 Chrysene	228	15.880	15.880	(1.002)	265041	40.0000	39
	89 Bis(2-ethylhexyl)phthalate	149	15.983	15.983	(1.008)	234527	40.0000	44
	90 Di-n-octylphthalate	149	16.763	16.763	(0.951)	377683	40.0000	42
	91 Benzo(b)fluoranthene	252	17.185	17.185	(0.975)	389270	40.0000	43
	92 Benzo(k)fluoranthene	252	17.215	17.215	(0.977)	350134	40.0000	38
$	93 Benzo(a)pyrene-d12	264	17.534	17.534	(0.995)	308811	40.0000	38
	94 Benzo(a)pyrene	252	17.565	17.565	(0.996)	318642	40.0000	40
*	95 Perylene-d12	264	17.626	17.626	(1.000)	326355	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.921	18.921	(1.073)	415874	40.0000	46
	97 Dibenzo(a,h)anthracene	278	18.941	18.941	(1.075)	345439	40.0000	45
	98 Benzo(g,h,i)perylene	276	19.270	19.270	(1.093)	340442	40.0000	45

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1817

Lab File ID: RLAAU16.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.899	0.945	0.010	5.1	50.0
Phenol	1.164	1.062	0.010	-8.8	50.0
Bis(2-chloroethyl)ether	0.928	0.966	0.010	4.1	50.0
2-Chlorophenol	1.161	1.075	0.010	-7.5	50.0
2-Methylphenol	0.873	0.778	0.010	-10.8	50.0
2,2'-Oxybis(1-chloropropane)	1.071	1.129	0.010	5.4	50.0
Acetophenone	2.048	1.513	0.010	-26.1	50.0
4-Methylphenol	0.912	0.768	0.010	-15.8	50.0
N-Nitroso-di-n-propylamine	1.012	0.876	0.010	-13.4	50.0
Hexachloroethane	1.016	1.036	0.010	1.9	50.0
Nitrobenzene	0.553	0.593	0.010	7.2	50.0
Isophorone	0.861	0.804	0.010	-6.7	50.0
2-Nitrophenol	0.200	0.203	0.010	1.6	50.0
2,4-Dimethylphenol	0.500	0.455	0.010	-8.9	50.0
Bis(2-chloroethoxy)methane	0.359	0.359	0.010	0.1	50.0
2,4-Dichlorophenol	0.358	0.333	0.010	-6.8	50.0
Naphthalene	0.932	0.934	0.010	0.2	50.0
4-Chloroaniline	0.406	0.336	0.010	-17.1	50.0
Hexachlorobutadiene	0.502	0.524	0.010	4.5	50.0
Caprolactam	0.069	0.065	0.010	-5.6	50.0
4-Chloro-3-methylphenol	0.376	0.335	0.010	-11.0	50.0
2-Methylnaphthalene	0.674	0.612	0.010	-9.2	50.0
Hexachlorocyclopentadiene	0.883	0.803	0.010	-9.0	50.0
2,4,6-Trichlorophenol	0.486	0.455	0.010	-6.3	50.0
2,4,5-Trichlorophenol	0.475	0.471	0.010	-0.7	50.0
1,1'-Biphenyl	1.535	1.325	0.010	-13.7	50.0
2-Chloronaphthalene	1.252	1.204	0.010	-3.8	50.0
2-Nitroaniline	0.421	0.488	0.010	15.8	50.0
Dimethylphthalate	1.546	1.668	0.010	7.9	50.0
2,6-Dinitrotoluene	0.311	0.329	0.010	5.8	50.0
Acenaphthylene	1.681	1.640	0.010	-2.5	50.0
3-Nitroaniline	0.217	0.277	0.010	27.3	50.0
Acenaphthene	1.024	1.014	0.010	-1.0	50.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1817

Lab File ID: RLAAU16.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.161	0.133	0.010	-17.5	50.0
4-Nitrophenol	0.489	0.643	0.010	31.5	50.0
Dibenzofuran	1.519	1.587	0.010	4.4	50.0
2,4-Dinitrotoluene	0.364	0.517	0.010	41.9	50.0
Diethylphthalate	1.678	2.183	0.010	30.2	50.0
Fluorene	1.211	1.295	0.010	6.9	50.0
4-Chlorophenyl-phenylether	0.772	0.763	0.010	-1.1	50.0
4-Nitroaniline	0.169	0.240	0.010	41.9	50.0
4,6-Dinitro-2-methylphenol	0.151	0.116	0.010	-23.7	50.0
N-Nitrosodiphenylamine (1)	0.405	0.384	0.010	-5.0	50.0
1,2,4,5-Tetrachlorobenzene	0.917	0.869	0.010	-5.2	50.0
4-Bromophenyl-phenylether	0.350	0.310	0.010	-11.4	50.0
Hexachlorobenzene	0.503	0.480	0.010	-4.6	50.0
Atrazine	0.259	0.240	0.010	-7.5	50.0
Pentachlorophenol	0.247	0.156	0.010	-36.6	50.0
Phenanthrene	0.982	0.978	0.010	-0.4	50.0
Anthracene	0.965	0.960	0.010	-0.6	50.0
Carbazole	0.754	0.693	0.010	-8.1	50.0
Di-n-butylphthalate	1.401	1.453	0.010	3.7	50.0
Fluoranthene	1.031	0.763	0.010	-26.1	50.0
Pyrene	0.939	1.180	0.010	25.8	50.0
Butylbenzylphthalate	0.534	0.605	0.010	13.3	50.0
3,3'-Dichlorobenzidine	0.410	0.484	0.010	18.0	50.0
Benzo(a)anthracene	0.958	0.984	0.010	2.6	50.0
Chrysene	0.870	0.867	0.010	-0.3	50.0
Bis(2-ethylhexyl)phthalate	0.674	0.753	0.010	11.8	50.0
Di-n-octylphthalate	1.106	0.991	0.010	-10.4	50.0
Benzo(b)fluoranthene	1.119	0.943	0.010	-15.7	50.0
Benzo(k)fluoranthene	1.133	1.299	0.010	14.6	50.0
Benzo(a)pyrene	0.969	0.940	0.010	-3.0	50.0
Indeno(1,2,3-cd)pyrene	1.116	0.860	0.010	-23.0	50.0
Dibenzo(a,h)anthracene	0.947	0.730	0.010	-22.8	50.0
Benzo(g,h,i)perylene	0.936	0.627	0.010	-33.1	50.0
2,3,4,6-Tetrachlorophenol	0.410	0.469	0.010	14.5	50.0

(1) Cannot be separated from Diphenylamine

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/21/2013 Time: 1817

Lab File ID: RLAAU16.D Init. Calib. Date(s): 08/13/2013 08/13/2013

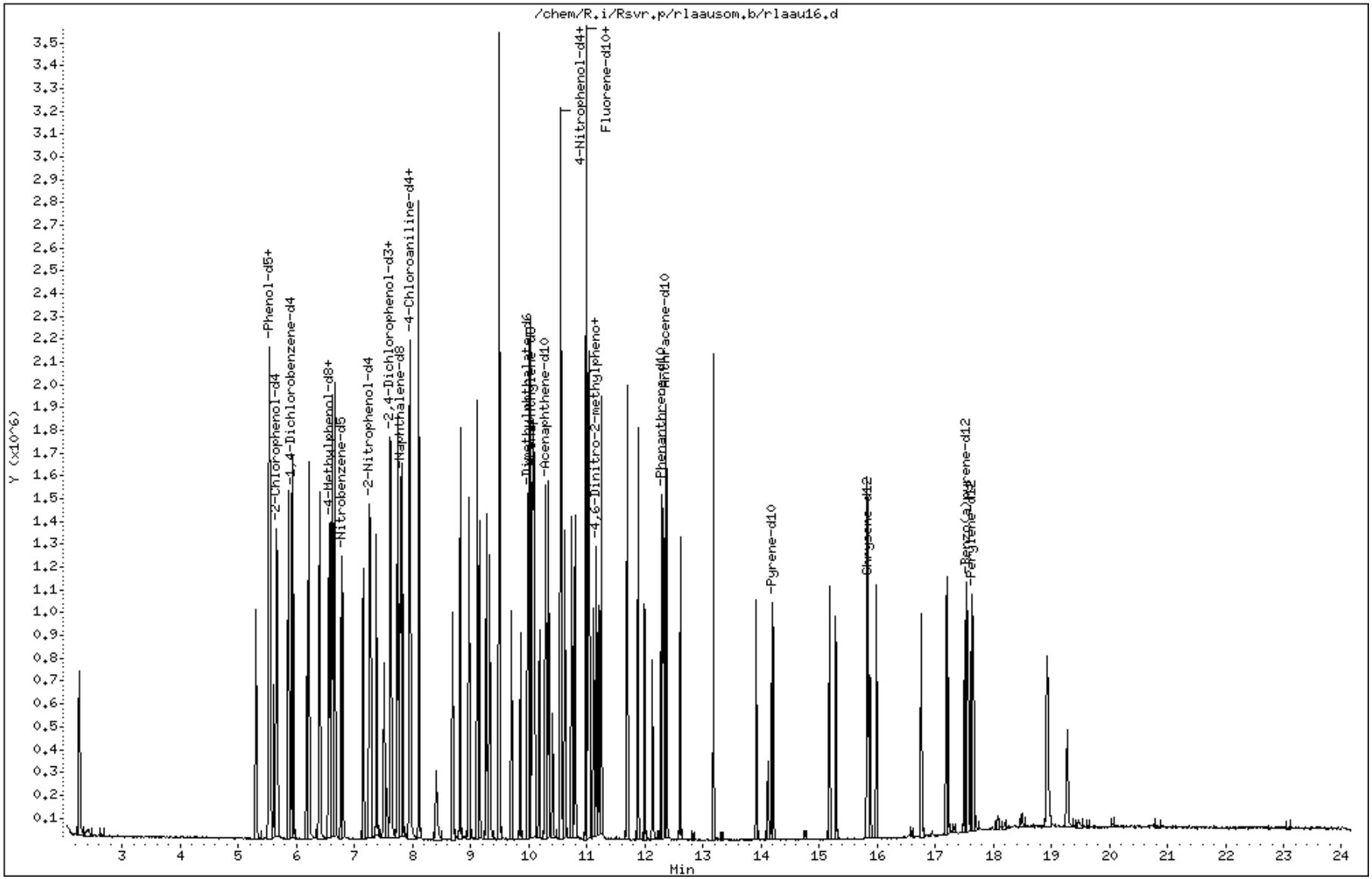
EPA Sample No.(SSTD020##): SSTD020AU Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	1.300	1.098	0.010	-15.5	50.0
Bis(2-chloroethyl)ether-d8	1.099	1.138	0.010	3.6	50.0
2-Chlorophenol-d4	1.386	1.238	0.010	-10.7	50.0
4-Methylphenol-d8	0.783	0.625	0.010	-20.3	50.0
Nitrobenzene-d5	0.187	0.178	0.010	-4.6	50.0
2-Nitrophenol-d4	0.235	0.215	0.010	-8.8	50.0
2,4-Dichlorophenol-d3	0.438	0.389	0.010	-11.4	50.0
4-Chloroaniline-d4	0.453	0.373	0.010	-17.7	50.0
Dimethylphthalate-d6	1.792	1.799	0.010	0.4	50.0
Acenaphthylene-d8	2.000	1.811	0.010	-9.4	50.0
4-Nitrophenol-d4	0.179	0.208	0.010	16.2	50.0
Fluorene-d10	1.200	1.373	0.010	14.4	50.0
4,6-Dinitro-2-methylphenol-d2	0.182	0.119	0.010	-34.7	50.0
Anthracene-d10	1.110	1.036	0.010	-6.7	50.0
Pyrene-d10	1.005	1.184	0.010	17.8	50.0
Benzo(a)pyrene-d12	0.992	0.915	0.010	-7.8	50.0

Data File: /chem/R.i/Rsvr.p/rlaausom.b/rlaau16.d
Date : 21-AUG-2013 18:17
Client ID: SSTD020AU
Sample Info: CCVC
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaausom.b/rlaau16.d
Lab Smp Id: CCVC Client Smp ID: SSTD020AU
Inj Date : 21-AUG-2013 18:17
Operator : djb Inst ID: R.i
Smp Info : CCVC
Misc Info : SSTD020AU
Comment :
Method : /chem/R.i/Rsvr.p/rlaausom.b/iSOM12.m
Meth Date : 26-Aug-2013 14:51 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	5 Benzaldehyde	77	5.303	5.303	(0.896)	206136	40.0000	42
$	6 Phenol-d5	71	5.529	5.529	(0.934)	239424	40.0000	34(Q)
	7 Phenol	94	5.540	5.540	(0.936)	231592	40.0000	36(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	5.540	5.540	(0.936)	248308	40.0000	41(Q)
	9 Bis(2-chloroethyl)ether	93	5.612	5.612	(0.948)	210643	40.0000	42
$	10 2-Chlorophenol-d4	132	5.653	5.653	(0.955)	270035	40.0000	36
	11 2-Chlorophenol	128	5.673	5.673	(0.958)	234415	40.0000	37
*	12 1,4-Dichlorobenzene-d4	152	5.920	5.920	(1.000)	218114	40.0000	
	14 2-Methylphenol	108	6.392	6.392	(1.080)	169770	40.0000	36
	15 2,2'-Oxybis(1-chloropropane)	45	6.403	6.403	(1.082)	246214	40.0000	42(Q)
$	16 4-Methylphenol-d8	113	6.567	6.567	(1.109)	136268	40.0000	32
	17 Acetophenone	105	6.557	6.557	(1.108)	330077	40.0000	30(Q)
	18 4-Methylphenol	108	6.608	6.608	(1.116)	167576	40.0000	34
	20 N-Nitroso-di-n-propylamine	70	6.608	6.608	(1.116)	191162	40.0000	35
	21 Hexachloroethane	117	6.659	6.659	(1.125)	225892	40.0000	41
$	22 Nitrobenzene-d5	128	6.772	6.772	(0.869)	115082	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	23 Nitrobenzene	77	6.803	6.803	(0.873)	382676	40.0000	43
	24 Isophorone	82	7.152	7.152	(0.918)	518801	40.0000	37
$	25 2-Nitrophenol-d4	143	7.255	7.255	(0.931)	138446	40.0000	36
	26 2-Nitrophenol	139	7.276	7.276	(0.934)	131265	40.0000	41
	27 2,4-Dimethylphenol	107	7.378	7.378	(0.947)	293650	40.0000	36
	28 Bis(2-chloroethoxy)methane	93	7.502	7.502	(0.963)	231778	40.0000	40
$	29 2,4-Dichlorophenol-d3	165	7.615	7.615	(0.978)	250728	40.0000	35
	30 2,4-Dichlorophenol	162	7.625	7.625	(0.979)	215115	40.0000	37
*	31 Naphthalene-d8	136	7.789	7.789	(1.000)	645282	40.0000	
	32 Naphthalene	128	7.820	7.820	(1.004)	602755	40.0000	40
$	33 4-Chloroaniline-d4	131	7.943	7.943	(1.020)	240488	40.0000	33
	34 4-Chloroaniline	127	7.954	7.954	(1.021)	216944	40.0000	33
	35 Hexachlorobutadiene	225	8.108	8.108	(1.041)	338426	40.0000	42
	36 Caprolactam	113	8.406	8.406	(1.079)	42073	40.0000	38(Q)
	37 4-Chloro-3-methylphenol	107	8.693	8.693	(1.116)	215950	40.0000	36
	38 2-Methylnaphthalene	142	8.817	8.817	(1.132)	394626	40.0000	36
	39 1,2,4,5-Tetrachlorobenzene	216	9.114	9.114	(0.885)	308483	40.0000	38
	40 Hexachlorocyclopentadiene	237	9.156	9.156	(0.889)	285044	40.0000	36
	41 2,4,6-Trichlorophenol	196	9.269	9.269	(0.900)	161513	40.0000	37
	42 2,4,5-Trichlorophenol	196	9.330	9.330	(0.906)	167182	40.0000	40
	43 1,1'-Biphenyl	154	9.495	9.495	(0.922)	470087	40.0000	35
	45 2-Chloronaphthalene	162	9.495	9.495	(0.922)	427162	40.0000	38
	46 2-Nitroaniline	65	9.700	9.700	(0.942)	173076	40.0000	46
$	47 Dimethylphthalate-d6	166	9.988	9.988	(0.970)	638433	40.0000	40
	48 Dimethylphthalate	163	10.018	10.018	(0.973)	591686	40.0000	43
	51 2,6-Dinitrotoluene	165	10.090	10.090	(0.980)	116859	40.0000	42
$	49 Acenaphthylene-d8	160	10.060	10.060	(0.977)	642436	40.0000	36
	50 Acenaphthylene	152	10.080	10.080	(0.979)	581763	40.0000	39
	52 3-Nitroaniline	138	10.275	10.275	(0.998)	98182	40.0000	51
*	53 Acenaphthene-d10	164	10.296	10.296	(1.000)	354792	40.0000	
	54 Acenaphthene	153	10.337	10.337	(1.004)	359808	40.0000	40
	55 2,4-Dinitrophenol	184	10.409	10.409	(1.011)	47216	40.0000	33
$	56 4-Nitrophenol-d4	143	10.542	10.542	(1.024)	73884	40.0000	46(Q)
	57 4-Nitrophenol	109	10.553	10.553	(1.025)	228232	40.0000	53(Q)
	58 Dibenzofuran	168	10.553	10.553	(1.025)	562911	40.0000	42
	60 2,4-Dinitrotoluene	165	10.625	10.625	(1.032)	183390	40.0000	57(Q)
	61 2,3,4,6-Tetrachlorophenol	232	10.799	10.799	(1.049)	166558	40.0000	46
	62 Diethylphthalate	149	10.984	10.984	(1.067)	774673	40.0000	52
$	63 Fluorene-d10	176	10.984	10.984	(1.067)	487036	40.0000	46
	64 Fluorene	166	11.025	11.025	(1.071)	459369	40.0000	43
	65 4-Chlorophenyl-phenylether	204	11.046	11.046	(1.073)	270714	40.0000	40
	66 4-Nitroaniline	138	11.118	11.118	(1.080)	85089	40.0000	57(Q)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.169	11.169	(0.909)	84025	40.0000	26
	68 4,6-Dinitro-2-methylphenol	198	11.179	11.179	(0.910)	81618	40.0000	31(Q)
	69 N-Nitrosodiphenylamine	169	11.220	11.220	(0.913)	271498	40.0000	38
	70 4-Bromophenyl-phenylether	248	11.693	11.693	(0.952)	218699	40.0000	35
	71 Hexachlorobenzene	284	11.888	11.888	(0.967)	338661	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Atrazine	200	12.001	12.001	(0.977)	169224	40.0000	37
	73 Pentachlorophenol	266	12.135	12.135	(0.987)	110483	40.0000	25
*	74 Phenanthrene-d10	188	12.289	12.289	(1.000)	706161	40.0000	
	75 Phenanthrene	178	12.319	12.319	(1.002)	690502	40.0000	40
$	76 Anthracene-d10	188	12.350	12.350	(1.005)	731575	40.0000	37
	77 Anthracene	178	12.371	12.371	(1.007)	677649	40.0000	40
	78 Carbazole	167	12.607	12.607	(1.026)	489159	40.0000	37
	79 Di-n-butylphthalate	149	13.182	13.182	(1.073)	1025844	40.0000	41
	80 Fluoranthene	202	13.922	13.922	(1.133)	538456	40.0000	30
$	82 Pyrene-d10	212	14.189	14.189	(0.896)	499814	40.0000	47
	83 Pyrene	202	14.220	14.220	(0.898)	498099	40.0000	50(M)
	84 Butylbenzylphthalate	149	15.175	15.175	(0.958)	255321	40.0000	45
	85 3,3'-Dichlorobenzidine	252	15.833	15.833	(0.999)	204306	40.0000	47
	86 Benzo(a)anthracene	228	15.822	15.822	(0.999)	415153	40.0000	41
*	87 Chrysene-d12	240	15.843	15.843	(1.000)	421994	40.0000	
	88 Chrysene	228	15.884	15.884	(1.003)	365812	40.0000	40
	89 Bis(2-ethylhexyl)phthalate	149	15.987	15.987	(1.009)	317818	40.0000	45
	90 Di-n-octylphthalate	149	16.757	16.757	(0.950)	558896	40.0000	36
	91 Benzo(b)fluoranthene	252	17.189	17.189	(0.975)	531405	40.0000	34
	92 Benzo(k)fluoranthene	252	17.219	17.219	(0.977)	732146	40.0000	46
$	93 Benzo(a)pyrene-d12	264	17.538	17.538	(0.995)	515622	40.0000	37
	94 Benzo(a)pyrene	252	17.569	17.569	(0.996)	529785	40.0000	39
*	95 Perylene-d12	264	17.630	17.630	(1.000)	563718	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.925	18.925	(1.073)	484580	40.0000	31
	97 Dibenzo(a,h)anthracene	278	18.935	18.935	(1.074)	411769	40.0000	31
	98 Benzo(g,h,i)perylene	276	19.274	19.274	(1.093)	353293	40.0000	27

QC Flag Legend

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

Manual Integration Report

Data File: rlaau16.d
Lab Sample ID: CCVC
Inj. Date and Time: 21-AUG-2013 18:17
Instrument ID: R.i
Client ID: SSTD020AU
Compound: 83 Pyrene
CAS #: 129-00-0
Report Date: 08/26/2013

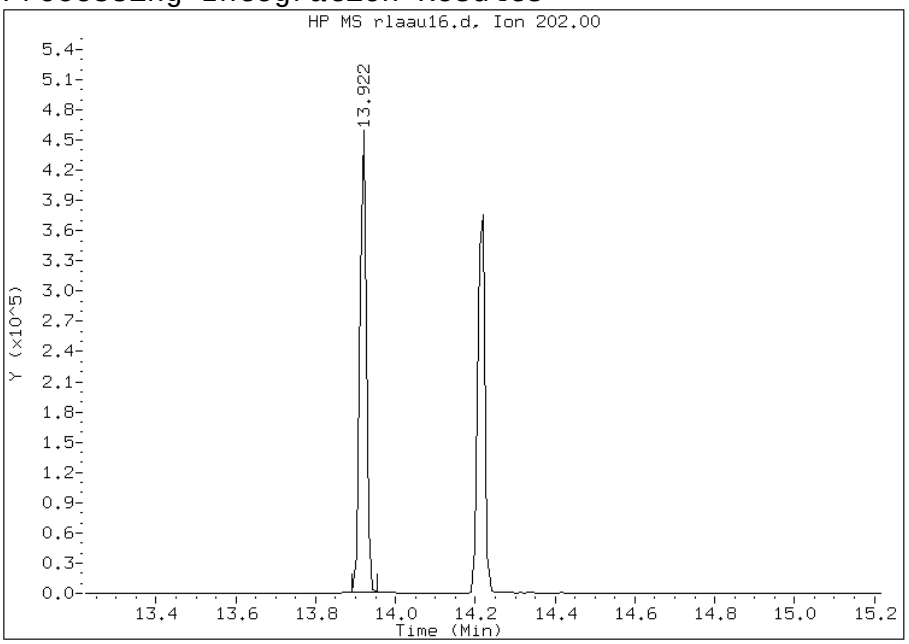
Processing Integration Results

RT: 13.92

Response: 538456

Amount: 54.38

Conc: 27.19



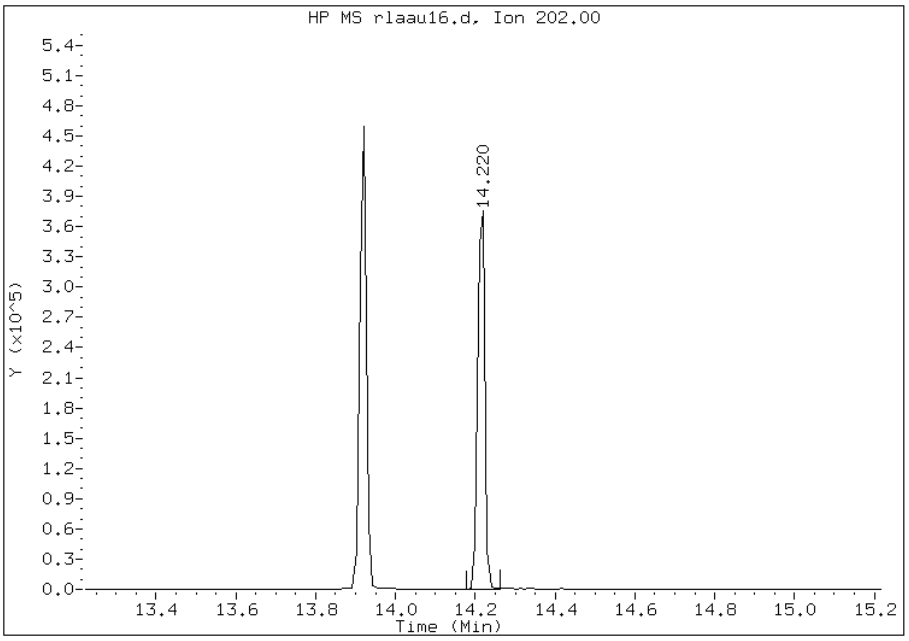
Manual Integration Results

RT: 14.22

Response: 498099

Amount: 50.30

Conc: 50.30



File Uploaded By: je
Manual Integration Reason: Analyte misidentified by the data system

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 0816

Lab File ID: RLAAX02.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AX Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.899	1.026	0.010	14.1	40.0
Phenol	1.164	1.229	0.800	5.6	25.0
Bis(2-chloroethyl)ether	0.928	1.060	0.700	14.3	25.0
2-Chlorophenol	1.161	1.187	0.800	2.2	25.0
2-Methylphenol	0.873	0.920	0.700	5.4	25.0
2,2'-Oxybis(1-chloropropane)	1.071	1.268	0.010	18.4	40.0
Acetophenone	2.048	2.047	0.010	0.0	40.0
4-Methylphenol	0.912	0.979	0.600	7.3	25.0
N-Nitroso-di-n-propylamine	1.012	1.108	0.500	9.5	25.0
Hexachloroethane	1.016	1.063	0.300	4.6	25.0
Nitrobenzene	0.553	0.570	0.200	3.1	25.0
Isophorone	0.861	0.906	0.400	5.1	25.0
2-Nitrophenol	0.200	0.205	0.100	2.2	25.0
2,4-Dimethylphenol	0.500	0.510	0.200	2.0	25.0
Bis(2-chloroethoxy)methane	0.359	0.384	0.300	7.0	25.0
2,4-Dichlorophenol	0.358	0.356	0.200	-0.5	25.0
Naphthalene	0.932	0.948	0.700	1.7	25.0
4-Chloroaniline	0.406	0.406	0.010	0.1	40.0
Hexachlorobutadiene	0.502	0.492	0.010	-2.0	40.0
Caprolactam	0.069	0.063	0.010	-8.2	40.0
4-Chloro-3-methylphenol	0.376	0.399	0.200	6.0	25.0
2-Methylnaphthalene	0.674	0.706	0.400	4.9	25.0
Hexachlorocyclopentadiene	0.883	0.914	0.010	3.5	40.0
2,4,6-Trichlorophenol	0.486	0.507	0.200	4.3	25.0
2,4,5-Trichlorophenol	0.475	0.516	0.200	8.8	25.0
1,1'-Biphenyl	1.535	1.524	0.010	-0.7	40.0
2-Chloronaphthalene	1.252	1.323	0.800	5.7	25.0
2-Nitroaniline	0.421	0.455	0.010	7.9	40.0
Dimethylphthalate	1.546	1.523	0.010	-1.5	40.0
2,6-Dinitrotoluene	0.311	0.287	0.200	-7.9	25.0
Acenaphthylene	1.681	1.693	0.900	0.7	25.0
3-Nitroaniline	0.217	0.213	0.010	-2.0	40.0
Acenaphthene	1.024	1.063	0.900	3.8	25.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 0816

Lab File ID: RLAAX02.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AX Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.161	0.153	0.010	-5.0	40.0
4-Nitrophenol	0.489	0.571	0.010	16.8	40.0
Dibenzofuran	1.519	1.603	0.800	5.5	25.0
2,4-Dinitrotoluene	0.364	0.349	0.200	-4.2	25.0
Diethylphthalate	1.678	1.654	0.010	-1.4	40.0
Fluorene	1.211	1.165	0.900	-3.8	25.0
4-Chlorophenyl-phenylether	0.772	0.738	0.400	-4.3	25.0
4-Nitroaniline	0.169	0.174	0.010	2.7	40.0
4,6-Dinitro-2-methylphenol	0.151	0.143	0.010	-5.3	40.0
N-Nitrosodiphenylamine (1)	0.405	0.407	0.010	0.6	40.0
1,2,4,5-Tetrachlorobenzene	0.917	0.930	0.010	1.4	40.0
4-Bromophenyl-phenylether	0.350	0.360	0.100	2.8	25.0
Hexachlorobenzene	0.503	0.511	0.100	1.6	25.0
Atrazine	0.259	0.214	0.010	-17.3	40.0
Pentachlorophenol	0.247	0.257	0.050	4.3	25.0
Phenanthrene	0.982	0.993	0.700	1.1	25.0
Anthracene	0.965	0.991	0.700	2.7	25.0
Carbazole	0.754	0.741	0.010	-1.7	40.0
Di-n-butylphthalate	1.401	1.378	0.010	-1.6	40.0
Fluoranthene	1.031	0.941	0.600	-8.8	25.0
Pyrene	0.939	0.894	0.600	-4.8	25.0
Butylbenzylphthalate	0.534	0.563	0.010	5.5	40.0
3,3'-Dichlorobenzidine	0.410	0.461	0.010	12.3	40.0
Benzo(a)anthracene	0.958	0.987	0.800	3.0	25.0
Chrysene	0.870	0.811	0.700	-6.7	25.0
Bis(2-ethylhexyl)phthalate	0.674	0.756	0.010	12.2	40.0
Di-n-octylphthalate	1.106	1.396	0.010	26.2	40.0
Benzo(b)fluoranthene	1.119	1.132	0.700	1.2	25.0
Benzo(k)fluoranthene	1.133	1.154	0.700	1.8	25.0
Benzo(a)pyrene	0.969	0.916	0.700	-5.5	25.0
Indeno(1,2,3-cd)pyrene	1.116	0.977	0.500	-12.5	25.0
Dibenzo(a,h)anthracene	0.947	0.799	0.400	-15.6	25.0
Benzo(g,h,i)perylene	0.936	0.802	0.500	-14.4	25.0
2,3,4,6-Tetrachlorophenol	0.410	0.437	0.100	6.6	25.0

(1) Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 0816

Lab File ID: RLAAX02.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AX Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	1.300	1.116	0.010	-14.2	25.0
Bis(2-chloroethyl)ether-d8	1.099	1.157	0.010	5.3	25.0
2-Chlorophenol-d4	1.386	1.264	0.010	-8.8	25.0
4-Methylphenol-d8	0.783	0.723	0.010	-7.7	25.0
Nitrobenzene-d5	0.187	0.169	0.010	-9.4	25.0
2-Nitrophenol-d4	0.235	0.213	0.010	-9.4	25.0
2,4-Dichlorophenol-d3	0.438	0.389	0.010	-11.3	25.0
4-Chloroaniline-d4	0.453	0.408	0.010	-10.0	40.0
Dimethylphthalate-d6	1.792	1.552	0.010	-13.4	40.0
Acenaphthylene-d8	2.000	1.766	0.010	-11.7	25.0
4-Nitrophenol-d4	0.179	0.180	0.010	0.5	40.0
Fluorene-d10	1.200	1.189	0.010	-0.9	25.0
4,6-Dinitro-2-methylphenol-d2	0.182	0.147	0.010	-19.2	40.0
Anthracene-d10	1.110	1.002	0.010	-9.7	25.0
Pyrene-d10	1.005	0.845	0.010	-16.0	25.0
Benzo(a)pyrene-d12	0.992	0.908	0.010	-8.4	25.0

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax02.d

Page 1

Date : 22-AUG-2013 08:16

Client ID: SSTD020AX

Instrument: R.i

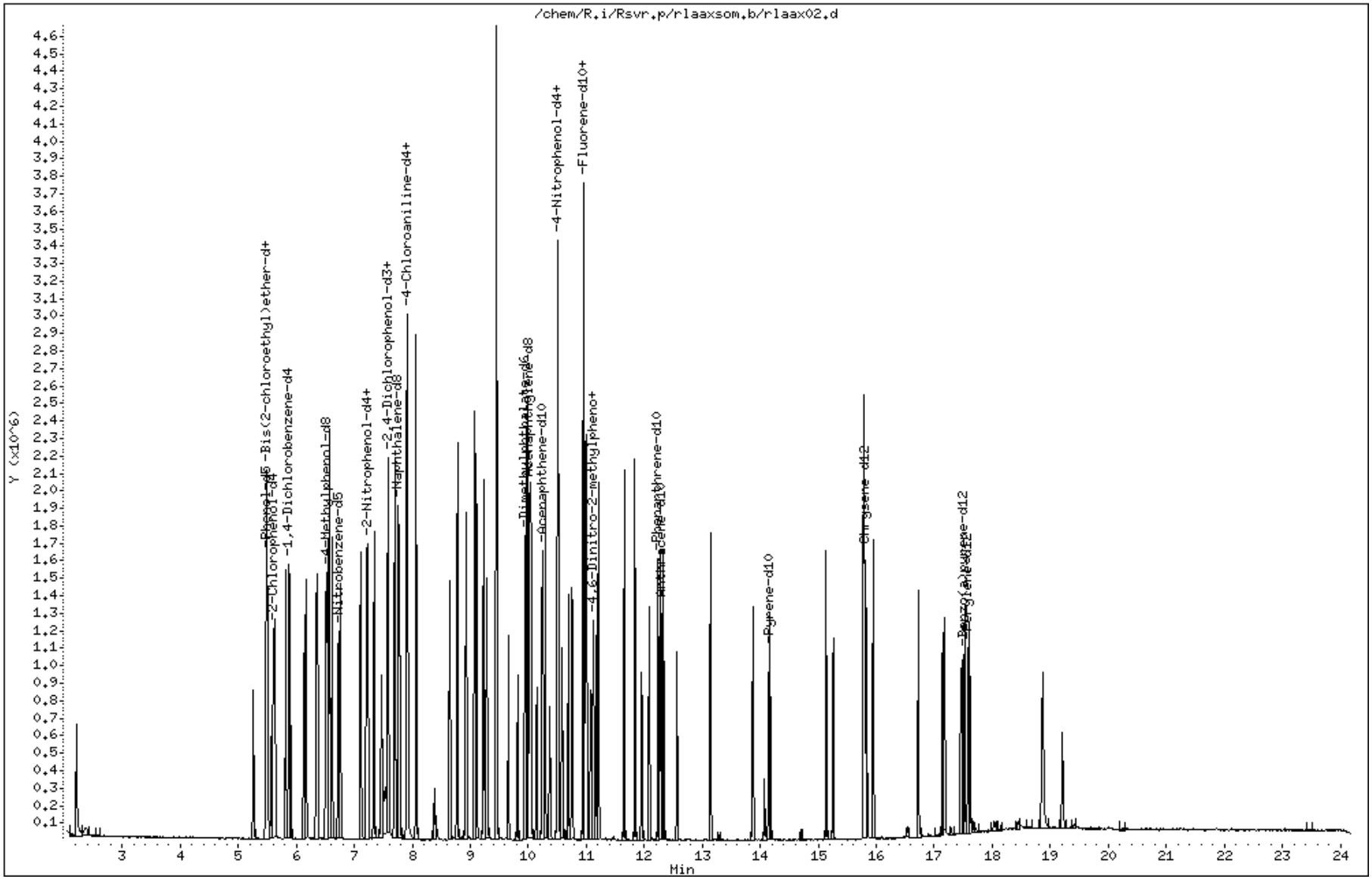
Sample Info: CCVIS

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax02.d
Lab Smp Id: CCVIS Client Smp ID: SSTD020AX
Inj Date : 22-AUG-2013 08:16
Operator : djb Inst ID: R.i
Smp Info : CCVIS
Misc Info : SSTD020AX
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 23-Aug-2013 09:28 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	5 Benzaldehyde	77	5.254	5.254	(0.895)	209994	40.0000	46
$	6 Phenol-d5	71	5.480	5.480	(0.934)	228399	40.0000	34(Q)
	7 Phenol	94	5.501	5.501	(0.937)	251638	40.0000	42
$	8 Bis(2-chloroethyl)ether-d8	67	5.501	5.501	(0.937)	236855	40.0000	42(Q)
	9 Bis(2-chloroethyl)ether	93	5.573	5.573	(0.949)	217049	40.0000	46
$	10 2-Chlorophenol-d4	132	5.603	5.603	(0.954)	258844	40.0000	36
	11 2-Chlorophenol	128	5.624	5.624	(0.958)	243106	40.0000	41
*	12 1,4-Dichlorobenzene-d4	152	5.871	5.871	(1.000)	204742	40.0000	
	14 2-Methylphenol	108	6.343	6.343	(1.080)	188374	40.0000	42
	15 2,2'-Oxybis(1-chloropropane)	45	6.364	6.364	(1.084)	259646	40.0000	47(Q)
$	16 4-Methylphenol-d8	113	6.528	6.528	(1.112)	148087	40.0000	37
	17 Acetophenone	105	6.507	6.507	(1.108)	419115	40.0000	40(Q)
	18 4-Methylphenol	108	6.569	6.569	(1.119)	200431	40.0000	43
	20 N-Nitroso-di-n-propylamine	70	6.569	6.569	(1.119)	226886	40.0000	44
	21 Hexachloroethane	117	6.620	6.620	(1.128)	217716	40.0000	42
$	22 Nitrobenzene-d5	128	6.733	6.733	(0.869)	128997	40.0000	36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	23 Nitrobenzene	77	6.754	6.754	(0.871)	434309	40.0000	41
	24 Isophorone	82	7.114	7.114	(0.918)	689432	40.0000	42
$	25 2-Nitrophenol-d4	143	7.216	7.216	(0.931)	162249	40.0000	36
	26 2-Nitrophenol	139	7.237	7.237	(0.934)	155844	40.0000	41
	27 2,4-Dimethylphenol	107	7.340	7.340	(0.947)	388068	40.0000	41
	28 Bis(2-chloroethoxy)methane	93	7.473	7.473	(0.964)	292238	40.0000	43
$	29 2,4-Dichlorophenol-d3	165	7.576	7.576	(0.977)	296186	40.0000	35
	30 2,4-Dichlorophenol	162	7.586	7.586	(0.979)	270993	40.0000	40
*	31 Naphthalene-d8	136	7.750	7.750	(1.000)	761317	40.0000	
	32 Naphthalene	128	7.781	7.781	(1.004)	721791	40.0000	41
$	33 4-Chloroaniline-d4	131	7.904	7.904	(1.020)	310373	40.0000	36
	34 4-Chloroaniline	127	7.915	7.915	(1.021)	309212	40.0000	40
	35 Hexachlorobutadiene	225	8.069	8.069	(1.041)	374328	40.0000	39
	36 Caprolactam	113	8.377	8.377	(1.081)	48273	40.0000	37
	37 4-Chloro-3-methylphenol	107	8.644	8.644	(1.115)	303538	40.0000	42
	38 2-Methylnaphthalene	142	8.778	8.778	(1.133)	537777	40.0000	42
	39 1,2,4,5-Tetrachlorobenzene	216	9.076	9.076	(0.885)	425099	40.0000	41
	40 Hexachlorocyclopentadiene	237	9.106	9.106	(0.888)	417841	40.0000	41
	41 2,4,6-Trichlorophenol	196	9.230	9.230	(0.900)	231681	40.0000	42
	42 2,4,5-Trichlorophenol	196	9.291	9.291	(0.906)	236026	40.0000	44
	43 1,1'-Biphenyl	154	9.456	9.456	(0.922)	696706	40.0000	40
	45 2-Chloronaphthalene	162	9.456	9.456	(0.922)	604736	40.0000	42
	46 2-Nitroaniline	65	9.661	9.661	(0.942)	207830	40.0000	43
$	47 Dimethylphthalate-d6	166	9.949	9.949	(0.970)	709570	40.0000	35
	48 Dimethylphthalate	163	9.980	9.980	(0.973)	696236	40.0000	39
	51 2,6-Dinitrotoluene	165	10.051	10.051	(0.980)	131049	40.0000	37
$	49 Acenaphthylene-d8	160	10.021	10.021	(0.977)	807285	40.0000	35
	50 Acenaphthylene	152	10.041	10.041	(0.979)	773830	40.0000	40
	52 3-Nitroaniline	138	10.236	10.236	(0.998)	97336	40.0000	39
*	53 Acenaphthene-d10	164	10.257	10.257	(1.000)	457126	40.0000	
	54 Acenaphthene	153	10.298	10.298	(1.004)	486111	40.0000	42
	55 2,4-Dinitrophenol	184	10.370	10.370	(1.011)	70063	40.0000	38
$	56 4-Nitrophenol-d4	143	10.503	10.503	(1.024)	82359	40.0000	40(Q)
	57 4-Nitrophenol	109	10.514	10.514	(1.025)	261135	40.0000	47(Q)
	58 Dibenzofuran	168	10.514	10.514	(1.025)	732699	40.0000	42
	60 2,4-Dinitrotoluene	165	10.586	10.586	(1.032)	159573	40.0000	38(QM)
	61 2,3,4,6-Tetrachlorophenol	232	10.760	10.760	(1.049)	199842	40.0000	43
	62 Diethylphthalate	149	10.945	10.945	(1.067)	756267	40.0000	39
$	63 Fluorene-d10	176	10.945	10.945	(1.067)	543570	40.0000	40
	64 Fluorene	166	10.986	10.986	(1.071)	532712	40.0000	38
	65 4-Chlorophenyl-phenylether	204	11.007	11.007	(1.073)	337455	40.0000	38
	66 4-Nitroaniline	138	11.079	11.079	(1.080)	79327	40.0000	41(Q)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.120	11.120	(0.903)	93486	40.0000	32
	68 4,6-Dinitro-2-methylphenol	198	11.130	11.130	(0.904)	91137	40.0000	38(M)
	69 N-Nitrosodiphenylamine	169	11.171	11.171	(0.907)	258637	40.0000	40
	70 4-Bromophenyl-phenylether	248	11.654	11.654	(0.947)	228501	40.0000	41
	71 Hexachlorobenzene	284	11.839	11.839	(0.962)	324745	40.0000	41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Atrazine	200	11.962	11.962	(0.972)	136091	40.0000	33
	73 Pentachlorophenol	266	12.085	12.085	(0.982)	163531	40.0000	42
*	74 Phenanthrene-d10	188	12.239	12.239	(1.000)	635445	40.0000	(H)
	75 Phenanthrene	178	12.270	12.270	(0.997)	631284	40.0000	40(H)
$	76 Anthracene-d10	188	12.311	12.311	(1.000)	636761	40.0000	36
	77 Anthracene	178	12.332	12.332	(1.002)	629865	40.0000	41
	78 Carbazole	167	12.568	12.568	(1.021)	470899	40.0000	39
	79 Di-n-butylphthalate	149	13.143	13.143	(1.068)	875701	40.0000	39
	80 Fluoranthene	202	13.873	13.873	(1.127)	597724	40.0000	36
$	82 Pyrene-d10	212	14.150	14.150	(0.895)	560241	40.0000	34
	83 Pyrene	202	14.171	14.171	(0.897)	592732	40.0000	38
	84 Butylbenzylphthalate	149	15.136	15.136	(0.958)	373543	40.0000	42
	85 3,3'-Dichlorobenzidine	252	15.784	15.784	(0.999)	305458	40.0000	45
	86 Benzo(a)anthracene	228	15.784	15.784	(0.999)	654803	40.0000	41
*	87 Chrysene-d12	240	15.804	15.804	(1.000)	663153	40.0000	
	88 Chrysene	228	15.835	15.835	(1.002)	538065	40.0000	37
	89 Bis(2-ethylhexyl)phthalate	149	15.948	15.948	(1.009)	501144	40.0000	45
	90 Di-n-octylphthalate	149	16.718	16.718	(0.951)	914690	40.0000	50
	91 Benzo(b)fluoranthene	252	17.150	17.150	(0.975)	741722	40.0000	40
	92 Benzo(k)fluoranthene	252	17.170	17.170	(0.977)	756315	40.0000	41
$	93 Benzo(a)pyrene-d12	264	17.499	17.499	(0.995)	595177	40.0000	37
	94 Benzo(a)pyrene	252	17.520	17.520	(0.996)	599982	40.0000	38
*	95 Perylene-d12	264	17.581	17.581	(1.000)	655333	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.865	18.865	(1.073)	640032	40.0000	35
	97 Dibenzo(a,h)anthracene	278	18.876	18.876	(1.074)	523368	40.0000	34
	98 Benzo(g,h,i)perylene	276	19.215	19.215	(1.093)	525349	40.0000	34(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: rlaax02.d
Lab Sample ID: CCVIS
Inj. Date and Time: 22-AUG-2013 08:16
Instrument ID: R.i
Client ID: SSTD020AX
Compound: 60 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 08/23/2013

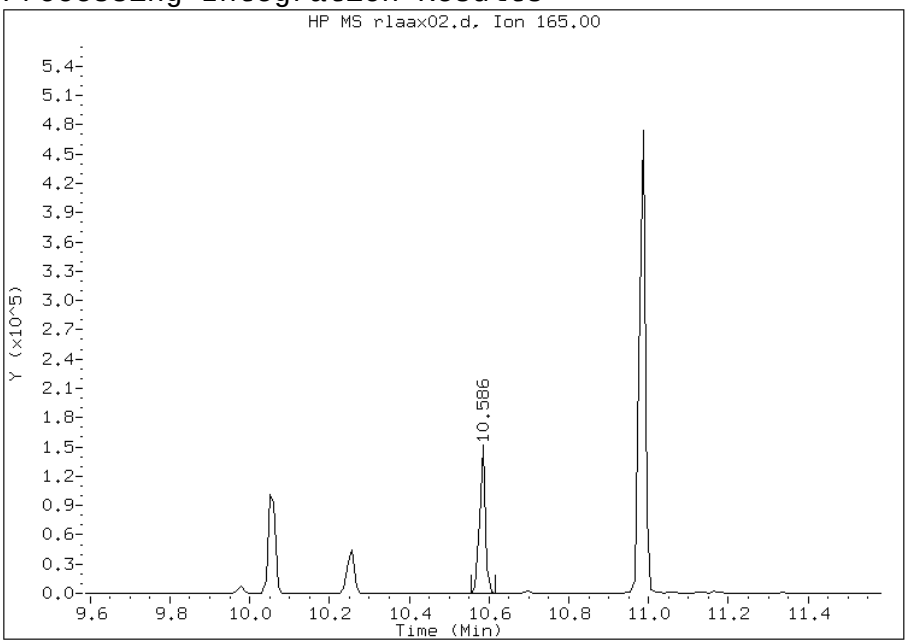
Processing Integration Results

RT: 10.59

Response: 159568

Amount: 38.34

Conc: 38.34



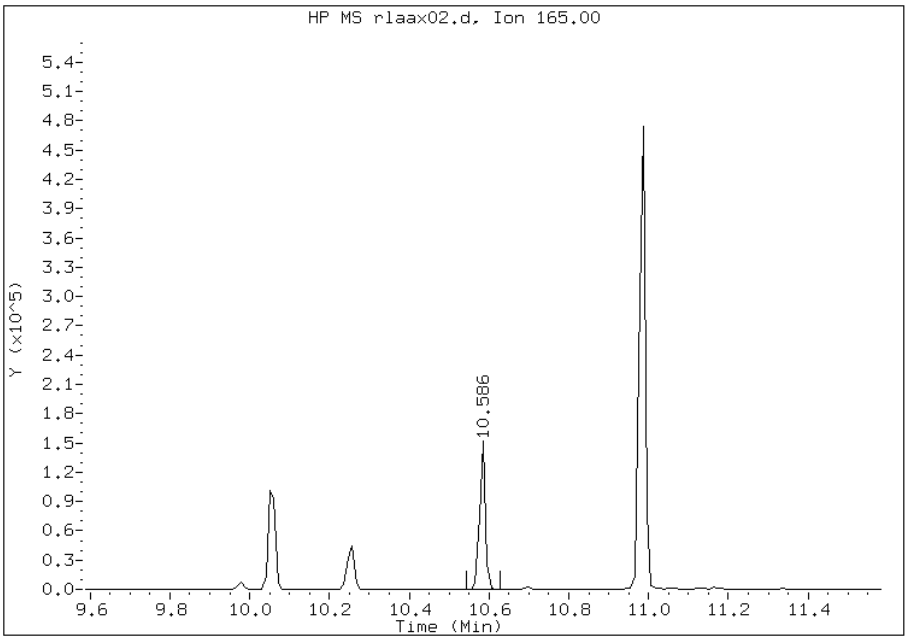
Manual Integration Results

RT: 10.59

Response: 159573

Amount: 38.34

Conc: 38.34



File Uploaded By: je
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: rlaax02.d
Lab Sample ID: CCVIS
Inj. Date and Time: 22-AUG-2013 08:16
Instrument ID: R.i
Client ID: SSTD020AX
Compound: 68 4,6-Dinitro-2-methylphenol
CAS #: 534-52-1
Report Date: 08/23/2013

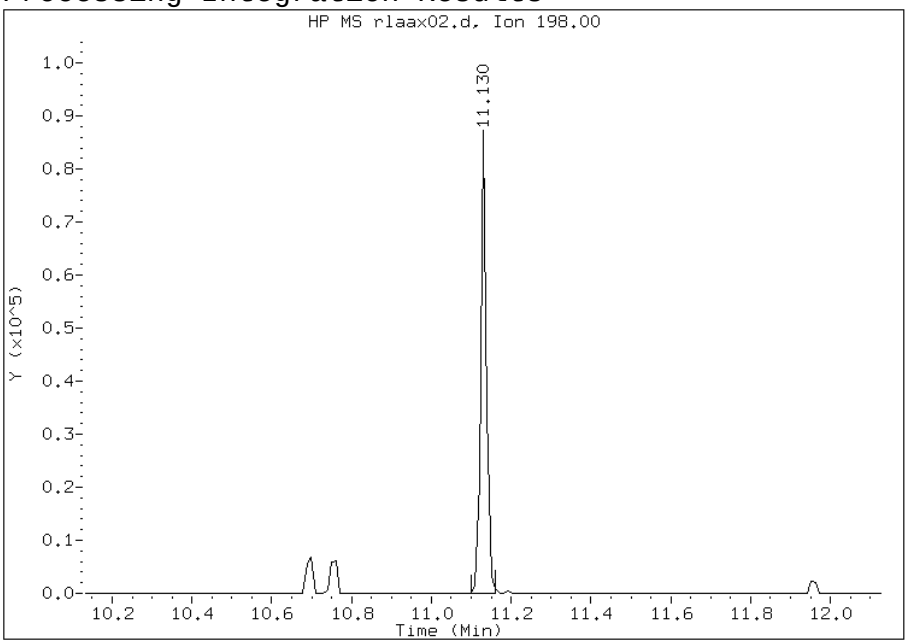
Processing Integration Results

RT: 11.13

Response: 91134

Amount: 37.58

Conc: 18.79



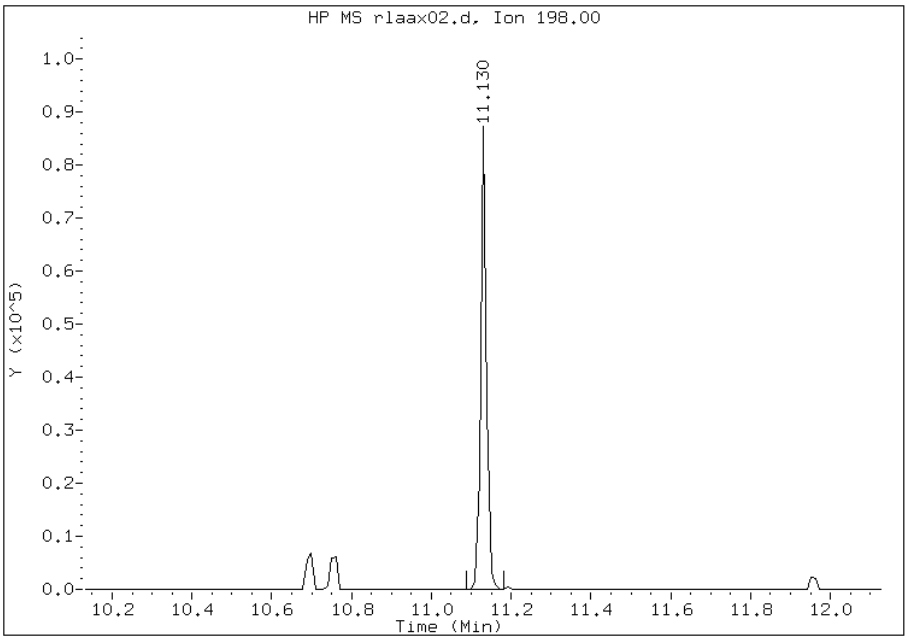
Manual Integration Results

RT: 11.13

Response: 91137

Amount: 37.89

Conc: 37.89



File Uploaded By: je
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: rlaax02.d
Lab Sample ID: CCVIS
Inj. Date and Time: 22-AUG-2013 08:16
Instrument ID: R.i
Client ID: SSTD020AX
Compound: 98 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/23/2013

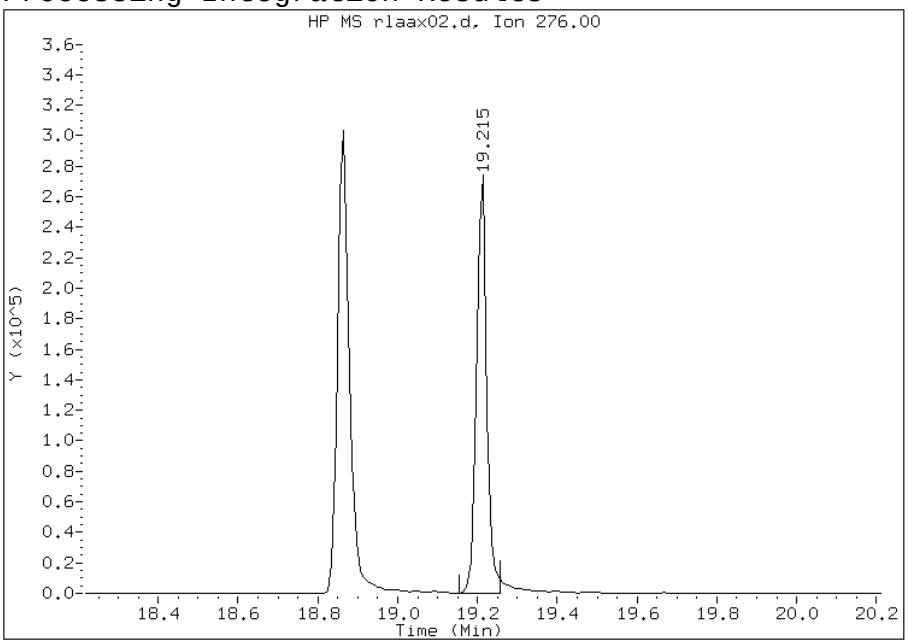
Processing Integration Results

RT: 19.21

Response: 500034

Amount: 32.60

Conc: 16.30



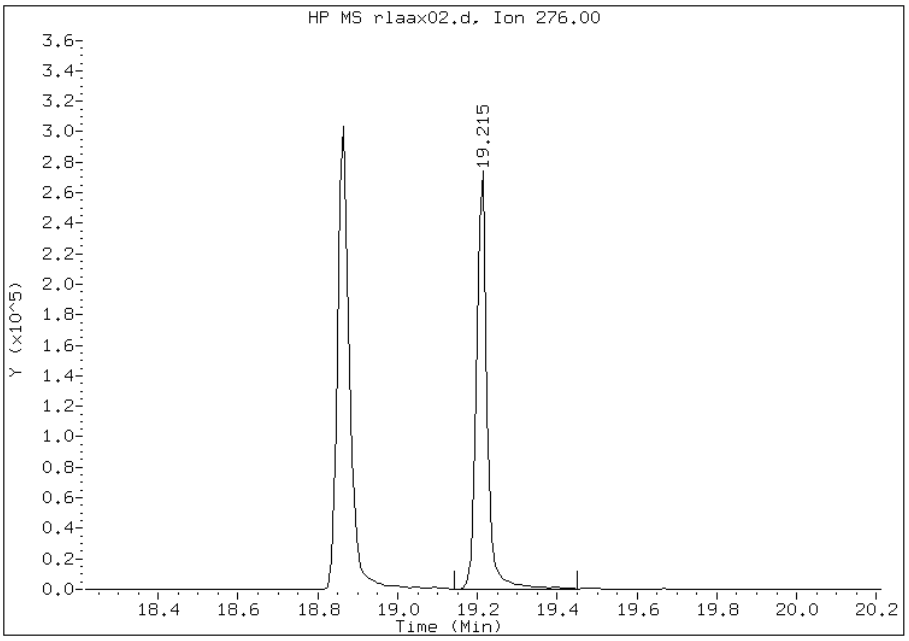
Manual Integration Results

RT: 19.21

Response: 525349

Amount: 34.25

Conc: 34.25



File Uploaded By: je
Manual Integration Reason: Baseline event

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1420

Lab File ID: RLAAX12.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AY Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.899	1.048	0.010	16.5	50.0
Phenol	1.164	1.119	0.010	-3.9	50.0
Bis(2-chloroethyl)ether	0.928	0.979	0.010	5.5	50.0
2-Chlorophenol	1.161	1.133	0.010	-2.4	50.0
2-Methylphenol	0.873	0.798	0.010	-8.6	50.0
2,2'-Oxybis(1-chloropropane)	1.071	1.181	0.010	10.2	50.0
Acetophenone	2.048	1.652	0.010	-19.3	50.0
4-Methylphenol	0.912	0.775	0.010	-15.1	50.0
N-Nitroso-di-n-propylamine	1.012	0.930	0.010	-8.1	50.0
Hexachloroethane	1.016	1.118	0.010	10.0	50.0
Nitrobenzene	0.553	0.596	0.010	7.7	50.0
Isophorone	0.861	0.886	0.010	2.8	50.0
2-Nitrophenol	0.200	0.201	0.010	0.4	50.0
2,4-Dimethylphenol	0.500	0.476	0.010	-4.7	50.0
Bis(2-chloroethoxy)methane	0.359	0.373	0.010	3.9	50.0
2,4-Dichlorophenol	0.358	0.333	0.010	-6.8	50.0
Naphthalene	0.932	0.960	0.010	3.0	50.0
4-Chloroaniline	0.406	0.366	0.010	-9.7	50.0
Hexachlorobutadiene	0.502	0.556	0.010	10.7	50.0
Caprolactam	0.069	0.074	0.010	6.6	50.0
4-Chloro-3-methylphenol	0.376	0.347	0.010	-7.8	50.0
2-Methylnaphthalene	0.674	0.640	0.010	-5.1	50.0
Hexachlorocyclopentadiene	0.883	0.820	0.010	-7.1	50.0
2,4,6-Trichlorophenol	0.486	0.462	0.010	-4.8	50.0
2,4,5-Trichlorophenol	0.475	0.454	0.010	-4.4	50.0
1,1'-Biphenyl	1.535	1.433	0.010	-6.7	50.0
2-Chloronaphthalene	1.252	1.259	0.010	0.6	50.0
2-Nitroaniline	0.421	0.530	0.010	25.8	50.0
Dimethylphthalate	1.546	1.783	0.010	15.3	50.0
2,6-Dinitrotoluene	0.311	0.338	0.010	8.5	50.0
Acenaphthylene	1.681	1.736	0.010	3.3	50.0
3-Nitroaniline	0.217	0.281	0.010	29.2	50.0
Acenaphthene	1.024	1.065	0.010	4.0	50.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1420

Lab File ID: RLAAX12.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AY Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.161	0.069	0.010	-57.5	50.0
4-Nitrophenol	0.489	0.626	0.010	27.9	50.0
Dibenzofuran	1.519	1.601	0.010	5.4	50.0
2,4-Dinitrotoluene	0.364	0.511	0.010	40.3	50.0
Diethylphthalate	1.678	2.221	0.010	32.4	50.0
Fluorene	1.211	1.326	0.010	9.5	50.0
4-Chlorophenyl-phenylether	0.772	0.768	0.010	-0.5	50.0
4-Nitroaniline	0.169	0.248	0.010	46.6	50.0
4,6-Dinitro-2-methylphenol	0.151	0.084	0.010	-44.2	50.0
N-Nitrosodiphenylamine (1)	0.405	0.381	0.010	-5.8	50.0
1,2,4,5-Tetrachlorobenzene	0.917	0.911	0.010	-0.7	50.0
4-Bromophenyl-phenylether	0.350	0.320	0.010	-8.6	50.0
Hexachlorobenzene	0.503	0.491	0.010	-2.4	50.0
Atrazine	0.259	0.255	0.010	-1.6	50.0
Pentachlorophenol	0.247	0.131	0.010	-46.8	50.0
Phenanthrene	0.982	0.983	0.010	0.1	50.0
Anthracene	0.965	0.996	0.010	3.2	50.0
Carbazole	0.754	0.719	0.010	-4.6	50.0
Di-n-butylphthalate	1.401	1.568	0.010	11.9	50.0
Fluoranthene	1.031	0.859	0.010	-16.8	50.0
Pyrene	0.939	1.119	0.010	19.2	50.0
Butylbenzylphthalate	0.534	0.580	0.010	8.7	50.0
3,3'-Dichlorobenzidine	0.410	0.456	0.010	11.1	50.0
Benzo(a)anthracene	0.958	0.972	0.010	1.5	50.0
Chrysene	0.870	0.834	0.010	-4.1	50.0
Bis(2-ethylhexyl)phthalate	0.674	0.716	0.010	6.4	50.0
Di-n-octylphthalate	1.106	1.040	0.010	-6.0	50.0
Benzo(b)fluoranthene	1.119	1.100	0.010	-1.7	50.0
Benzo(k)fluoranthene	1.133	1.063	0.010	-6.2	50.0
Benzo(a)pyrene	0.969	0.929	0.010	-4.1	50.0
Indeno(1,2,3-cd)pyrene	1.116	0.833	0.010	-25.4	50.0
Dibenzo(a,h)anthracene	0.947	0.672	0.010	-29.0	50.0
Benzo(g,h,i)perylene	0.936	0.588	0.010	-37.2	50.0
2,3,4,6-Tetrachlorophenol	0.410	0.452	0.010	10.1	50.0

(1) Cannot be separated from Diphenylamine

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1420

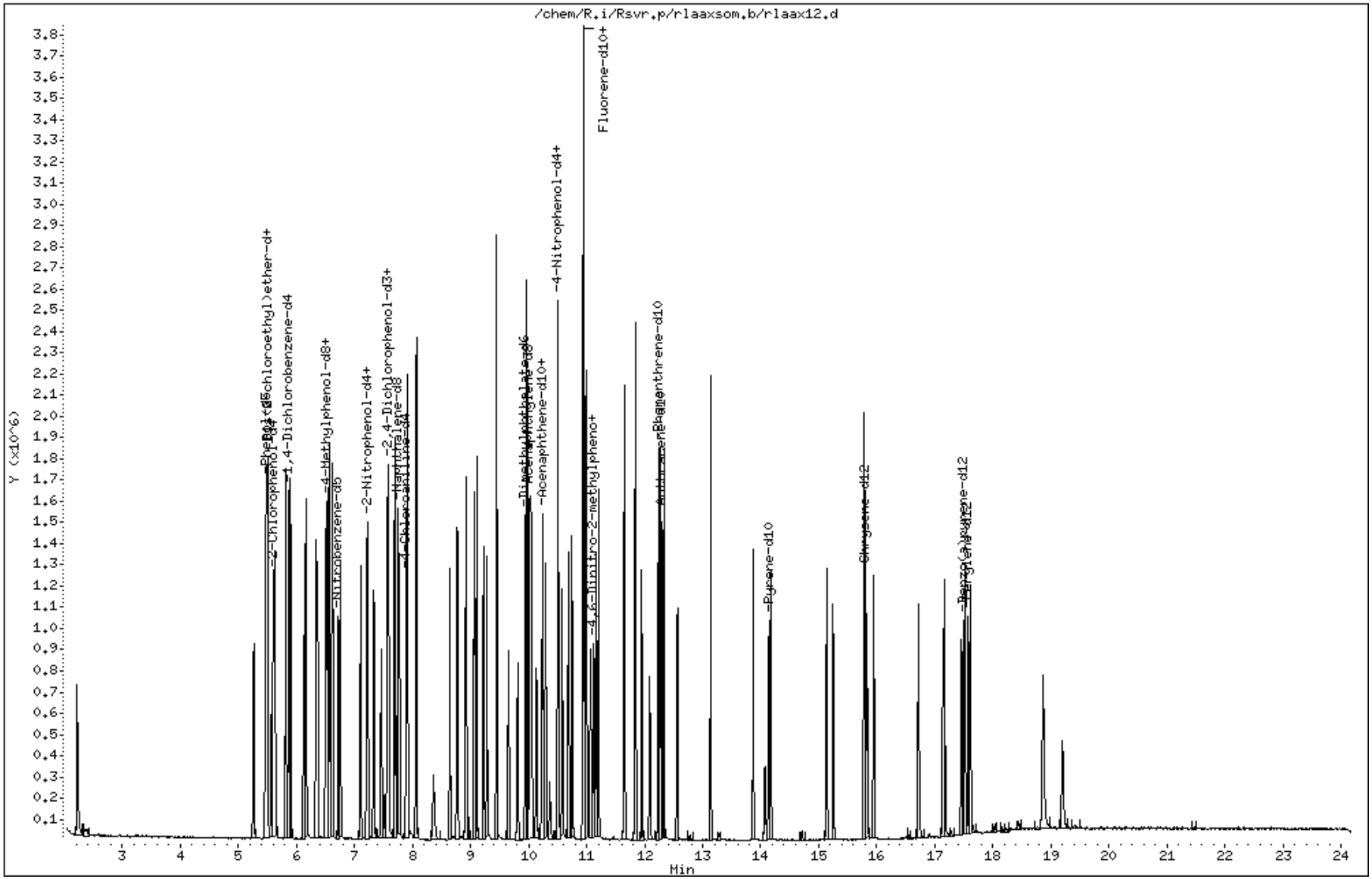
Lab File ID: RLAAX12.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AY Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	1.300	1.113	0.010	-14.4	50.0
Bis(2-chloroethyl)ether-d8	1.099	1.045	0.010	-5.0	50.0
2-Chlorophenol-d4	1.386	1.192	0.010	-14.0	50.0
4-Methylphenol-d8	0.783	0.608	0.010	-22.3	50.0
Nitrobenzene-d5	0.187	0.171	0.010	-8.3	50.0
2-Nitrophenol-d4	0.235	0.208	0.010	-11.6	50.0
2,4-Dichlorophenol-d3	0.438	0.358	0.010	-18.3	50.0
4-Chloroaniline-d4	0.453	0.377	0.010	-16.8	50.0
Dimethylphthalate-d6	1.792	1.767	0.010	-1.4	50.0
Acenaphthylene-d8	2.000	1.758	0.010	-12.1	50.0
4-Nitrophenol-d4	0.179	0.191	0.010	6.5	50.0
Fluorene-d10	1.200	1.335	0.010	11.3	50.0
4,6-Dinitro-2-methylphenol-d2	0.182	0.088	0.010	-51.6	50.0
Anthracene-d10	1.110	1.005	0.010	-9.4	50.0
Pyrene-d10	1.005	1.049	0.010	4.3	50.0
Benzo(a)pyrene-d12	0.992	0.910	0.010	-8.3	50.0

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax12.d
Date : 22-AUG-2013 14:20
Client ID: SSTD020AY
Instrument: R.i
Sample Info: CCVC
Volume Injected (uL): 2.0
Operator: djb
Column phase: Rxi-5ms
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax12.d
Lab Smp Id: CCVC Client Smp ID: SSTD020AY
Inj Date : 22-AUG-2013 14:20
Operator : djb Inst ID: R.i
Smp Info : CCVC
Misc Info : SSTD020AY
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 23-Aug-2013 09:45 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	5 Benzaldehyde	77	5.262	5.262	(0.897)	219800	40.0000	47
$	6 Phenol-d5	71	5.478	5.478	(0.933)	233539	40.0000	34(Q)
	7 Phenol	94	5.498	5.498	(0.937)	234822	40.0000	38(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	5.498	5.498	(0.937)	219152	40.0000	38(Q)
	9 Bis(2-chloroethyl)ether	93	5.570	5.570	(0.949)	205299	40.0000	42
$	10 2-Chlorophenol-d4	132	5.601	5.601	(0.954)	249992	40.0000	34
	11 2-Chlorophenol	128	5.622	5.622	(0.958)	237701	40.0000	39
*	12 1,4-Dichlorobenzene-d4	152	5.868	5.868	(1.000)	209781	40.0000	
	14 2-Methylphenol	108	6.341	6.341	(1.081)	167372	40.0000	37
	15 2,2'-Oxybis(1-chloropropane)	45	6.361	6.361	(1.084)	247715	40.0000	44(Q)
$	16 4-Methylphenol-d8	113	6.526	6.526	(1.112)	127634	40.0000	31
	17 Acetophenone	105	6.505	6.505	(1.109)	346637	40.0000	32(Q)
	18 4-Methylphenol	108	6.567	6.567	(1.119)	162500	40.0000	34
	20 N-Nitroso-di-n-propylamine	70	6.567	6.567	(1.119)	195094	40.0000	37
	21 Hexachloroethane	117	6.618	6.618	(1.128)	234597	40.0000	44
$	22 Nitrobenzene-d5	128	6.731	6.731	(0.869)	107840	40.0000	37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	23 Nitrobenzene	77	6.752	6.752	(0.871)	374655	40.0000	43
	24 Isophorone	82	7.101	7.101	(0.916)	557070	40.0000	41
$	25 2-Nitrophenol-d4	143	7.214	7.214	(0.931)	130765	40.0000	35
	26 2-Nitrophenol	139	7.224	7.224	(0.932)	126411	40.0000	40
	27 2,4-Dimethylphenol	107	7.337	7.337	(0.947)	299365	40.0000	38
	28 Bis(2-chloroethoxy)methane	93	7.460	7.460	(0.963)	234498	40.0000	42
$	29 2,4-Dichlorophenol-d3	165	7.563	7.563	(0.976)	225197	40.0000	33
	30 2,4-Dichlorophenol	162	7.584	7.584	(0.979)	209725	40.0000	37
*	31 Naphthalene-d8	136	7.748	7.748	(1.000)	628952	40.0000	
	32 Naphthalene	128	7.779	7.779	(1.004)	603972	40.0000	41
$	33 4-Chloroaniline-d4	131	7.892	7.892	(1.019)	237168	40.0000	33
	34 4-Chloroaniline	127	7.912	7.912	(1.021)	230206	40.0000	36
	35 Hexachlorobutadiene	225	8.066	8.066	(1.041)	349409	40.0000	44
	36 Caprolactam	113	8.364	8.364	(1.080)	46321	40.0000	43(Q)
	37 4-Chloro-3-methylphenol	107	8.642	8.642	(1.115)	218137	40.0000	37
	38 2-Methylnaphthalene	142	8.775	8.775	(1.133)	402223	40.0000	38
	39 1,2,4,5-Tetrachlorobenzene	216	9.073	9.073	(0.886)	317482	40.0000	40
	40 Hexachlorocyclopentadiene	237	9.104	9.104	(0.889)	285681	40.0000	37
	41 2,4,6-Trichlorophenol	196	9.227	9.227	(0.901)	161126	40.0000	38
	42 2,4,5-Trichlorophenol	196	9.279	9.279	(0.906)	158048	40.0000	38
	43 1,1'-Biphenyl	154	9.453	9.453	(0.923)	499332	40.0000	37
	45 2-Chloronaphthalene	162	9.453	9.453	(0.923)	438789	40.0000	40
	46 2-Nitroaniline	65	9.648	9.648	(0.942)	184687	40.0000	50
$	47 Dimethylphthalate-d6	166	9.936	9.936	(0.970)	615570	40.0000	39
	48 Dimethylphthalate	163	9.967	9.967	(0.973)	621333	40.0000	46
	51 2,6-Dinitrotoluene	165	10.049	10.049	(0.981)	117727	40.0000	43
$	49 Acenaphthylene-d8	160	10.018	10.018	(0.978)	612652	40.0000	35
	50 Acenaphthylene	152	10.039	10.039	(0.980)	604974	40.0000	41
	52 3-Nitroaniline	138	10.234	10.234	(0.999)	97868	40.0000	52
*	53 Acenaphthene-d10	164	10.244	10.244	(1.000)	348463	40.0000	
	54 Acenaphthene	153	10.296	10.296	(1.005)	371279	40.0000	42
	55 2,4-Dinitrophenol	184	10.367	10.367	(1.012)	23920	40.0000	17(Q)
$	56 4-Nitrophenol-d4	143	10.491	10.491	(1.024)	66510	40.0000	43(Q)
	57 4-Nitrophenol	109	10.501	10.501	(1.025)	218063	40.0000	51(Q)
	58 Dibenzofuran	168	10.511	10.511	(1.026)	557953	40.0000	42
	60 2,4-Dinitrotoluene	165	10.583	10.583	(1.033)	178110	40.0000	56(Q)
	61 2,3,4,6-Tetrachlorophenol	232	10.748	10.748	(1.049)	157364	40.0000	44
	62 Diethylphthalate	149	10.943	10.943	(1.068)	774064	40.0000	53
$	63 Fluorene-d10	176	10.943	10.943	(1.068)	465276	40.0000	45
	64 Fluorene	166	10.984	10.984	(1.072)	462138	40.0000	44
	65 4-Chlorophenyl-phenylether	204	10.994	10.994	(1.073)	267660	40.0000	40
	66 4-Nitroaniline	138	11.076	11.076	(1.081)	86341	40.0000	59(Q)
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.117	11.117	(0.908)	61342	40.0000	19
	68 4,6-Dinitro-2-methylphenol	198	11.128	11.128	(0.909)	58773	40.0000	22(Q)
	69 N-Nitrosodiphenylamine	169	11.169	11.169	(0.913)	265215	40.0000	38
	70 4-Bromophenyl-phenylether	248	11.652	11.652	(0.952)	222311	40.0000	37
	71 Hexachlorobenzene	284	11.836	11.836	(0.967)	341450	40.0000	39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Atrazine	200	11.949	11.949	(0.976)	177320	40.0000	39
	73 Pentachlorophenol	266	12.083	12.083	(0.987)	91378	40.0000	21
*	74 Phenanthrene-d10	188	12.237	12.237	(1.000)	695643	40.0000	
	75 Phenanthrene	178	12.268	12.268	(1.003)	684100	40.0000	40
$	76 Anthracene-d10	188	12.309	12.309	(1.006)	699262	40.0000	36
	77 Anthracene	178	12.330	12.330	(1.008)	692827	40.0000	41
	78 Carbazole	167	12.566	12.566	(1.027)	500499	40.0000	38
	79 Di-n-butylphthalate	149	13.141	13.141	(1.074)	1090505	40.0000	45
	80 Fluoranthene	202	13.870	13.870	(1.133)	597313	40.0000	33
$	82 Pyrene-d10	212	14.148	14.148	(0.895)	533867	40.0000	42
	83 Pyrene	202	14.168	14.168	(0.897)	569352	40.0000	48
	84 Butylbenzylphthalate	149	15.134	15.134	(0.958)	295245	40.0000	43
	85 3,3'-Dichlorobenzidine	252	15.781	15.781	(0.999)	232000	40.0000	44
	86 Benzo(a)anthracene	228	15.781	15.781	(0.999)	494871	40.0000	41
*	87 Chrysene-d12	240	15.802	15.802	(1.000)	508921	40.0000	
	88 Chrysene	228	15.832	15.832	(1.002)	424253	40.0000	38
	89 Bis(2-ethylhexyl)phthalate	149	15.945	15.945	(1.009)	364601	40.0000	43
	90 Di-n-octylphthalate	149	16.716	16.716	(0.951)	649299	40.0000	38
	91 Benzo(b)fluoranthene	252	17.147	17.147	(0.975)	686953	40.0000	39
	92 Benzo(k)fluoranthene	252	17.168	17.168	(0.977)	663749	40.0000	38
$	93 Benzo(a)pyrene-d12	264	17.486	17.486	(0.995)	567973	40.0000	37
	94 Benzo(a)pyrene	252	17.517	17.517	(0.996)	580227	40.0000	38
*	95 Perylene-d12	264	17.579	17.579	(1.000)	624454	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.853	18.853	(1.072)	519928	40.0000	30
	97 Dibenzo(a,h)anthracene	278	18.873	18.873	(1.074)	419661	40.0000	28
	98 Benzo(g,h,i)perylene	276	19.202	19.202	(1.092)	367124	40.0000	25

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1456

Lab File ID: RLAAX13.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AZ Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.899	1.061	0.010	18.0	50.0
Phenol	1.164	1.104	0.010	-5.2	50.0
Bis(2-chloroethyl)ether	0.928	0.951	0.010	2.5	50.0
2-Chlorophenol	1.161	1.106	0.010	-4.8	50.0
2-Methylphenol	0.873	0.788	0.010	-9.7	50.0
2,2'-Oxybis(1-chloropropane)	1.071	1.167	0.010	9.0	50.0
Acetophenone	2.048	1.695	0.010	-17.2	50.0
4-Methylphenol	0.912	0.785	0.010	-13.9	50.0
N-Nitroso-di-n-propylamine	1.012	0.962	0.010	-4.9	50.0
Hexachloroethane	1.016	1.091	0.010	7.4	50.0
Nitrobenzene	0.553	0.605	0.010	9.3	50.0
Isophorone	0.861	0.898	0.010	4.3	50.0
2-Nitrophenol	0.200	0.203	0.010	1.4	50.0
2,4-Dimethylphenol	0.500	0.510	0.010	2.1	50.0
Bis(2-chloroethoxy)methane	0.359	0.379	0.010	5.7	50.0
2,4-Dichlorophenol	0.358	0.345	0.010	-3.6	50.0
Naphthalene	0.932	0.976	0.010	4.7	50.0
4-Chloroaniline	0.406	0.367	0.010	-9.5	50.0
Hexachlorobutadiene	0.502	0.561	0.010	11.7	50.0
Caprolactam	0.069	0.069	0.010	-0.4	50.0
4-Chloro-3-methylphenol	0.376	0.338	0.010	-10.1	50.0
2-Methylnaphthalene	0.674	0.630	0.010	-6.4	50.0
Hexachlorocyclopentadiene	0.883	0.865	0.010	-2.1	50.0
2,4,6-Trichlorophenol	0.486	0.491	0.010	0.9	50.0
2,4,5-Trichlorophenol	0.475	0.470	0.010	-1.1	50.0
1,1'-Biphenyl	1.535	1.448	0.010	-5.7	50.0
2-Chloronaphthalene	1.252	1.282	0.010	2.4	50.0
2-Nitroaniline	0.421	0.529	0.010	25.6	50.0
Dimethylphthalate	1.546	1.693	0.010	9.5	50.0
2,6-Dinitrotoluene	0.311	0.340	0.010	9.4	50.0
Acenaphthylene	1.681	1.777	0.010	5.7	50.0
3-Nitroaniline	0.217	0.279	0.010	28.2	50.0
Acenaphthene	1.024	1.049	0.010	2.4	50.0

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1456

Lab File ID: RLAAX13.D Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(SSTD020##): SSTD020AZ Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.161	0.066	0.010	-58.9	50.0
4-Nitrophenol	0.489	0.688	0.010	40.7	50.0
Dibenzofuran	1.519	1.640	0.010	7.9	50.0
2,4-Dinitrotoluene	0.364	0.489	0.010	34.2	50.0
Diethylphthalate	1.678	2.201	0.010	31.2	50.0
Fluorene	1.211	1.315	0.010	8.6	50.0
4-Chlorophenyl-phenylether	0.772	0.773	0.010	0.1	50.0
4-Nitroaniline	0.169	0.274	0.010	62.1	50.0
4,6-Dinitro-2-methylphenol	0.151	0.083	0.010	-45.0	50.0
N-Nitrosodiphenylamine (1)	0.405	0.339	0.010	-16.4	50.0
1,2,4,5-Tetrachlorobenzene	0.917	0.932	0.010	1.5	50.0
4-Bromophenyl-phenylether	0.350	0.291	0.010	-16.7	50.0
Hexachlorobenzene	0.503	0.478	0.010	-4.8	50.0
Atrazine	0.259	0.270	0.010	4.1	50.0
Pentachlorophenol	0.247	0.152	0.010	-38.4	50.0
Phenanthrene	0.982	0.996	0.010	1.5	50.0
Anthracene	0.965	0.979	0.010	1.4	50.0
Carbazole	0.754	0.793	0.010	5.2	50.0
Di-n-butylphthalate	1.401	1.742	0.010	24.3	50.0
Fluoranthene	1.031	1.057	0.010	2.5	50.0
Pyrene	0.939	0.938	0.010	0.0	50.0
Butylbenzylphthalate	0.534	0.557	0.010	4.4	50.0
3,3'-Dichlorobenzidine	0.410	0.460	0.010	12.0	50.0
Benzo(a)anthracene	0.958	0.961	0.010	0.3	50.0
Chrysene	0.870	0.824	0.010	-5.2	50.0
Bis(2-ethylhexyl)phthalate	0.674	0.712	0.010	5.7	50.0
Di-n-octylphthalate	1.106	1.080	0.010	-2.3	50.0
Benzo(b)fluoranthene	1.119	1.093	0.010	-2.3	50.0
Benzo(k)fluoranthene	1.133	1.276	0.010	12.6	50.0
Benzo(a)pyrene	0.969	0.966	0.010	-0.3	50.0
Indeno(1,2,3-cd)pyrene	1.116	0.765	0.010	-31.4	50.0
Dibenzo(a,h)anthracene	0.947	0.590	0.010	-37.7	50.0
Benzo(g,h,i)perylene	0.936	0.532	0.010	-43.2	50.0
2,3,4,6-Tetrachlorophenol	0.410	0.451	0.010	10.1	50.0

(1) Cannot be separated from Diphenylamine

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: R.i Calibration Date: 08/22/2013 Time: 1456

Lab File ID: RLAAX13.D Init. Calib. Date(s): 08/13/2013 08/13/2013

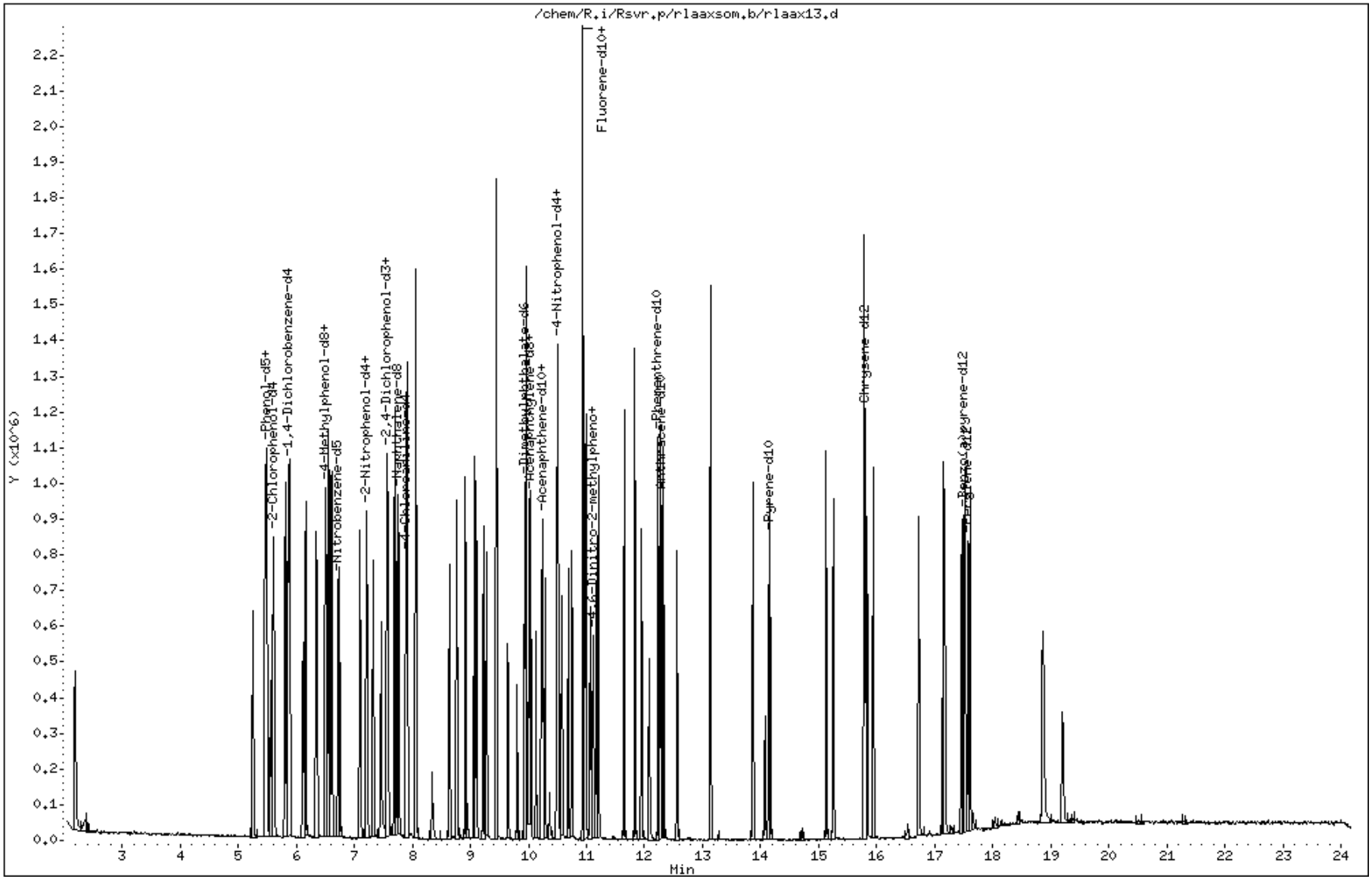
EPA Sample No.(SSTD020##): SSTD020AZ Init. Calib. Time(s): 1332 1632

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	1.300	1.078	0.010	-17.1	50.0
Bis(2-chloroethyl)ether-d8	1.099	1.040	0.010	-5.4	50.0
2-Chlorophenol-d4	1.386	1.192	0.010	-14.0	50.0
4-Methylphenol-d8	0.783	0.593	0.010	-24.4	50.0
Nitrobenzene-d5	0.187	0.170	0.010	-9.2	50.0
2-Nitrophenol-d4	0.235	0.214	0.010	-9.1	50.0
2,4-Dichlorophenol-d3	0.438	0.369	0.010	-15.9	50.0
4-Chloroaniline-d4	0.453	0.374	0.010	-17.5	50.0
Dimethylphthalate-d6	1.792	1.732	0.010	-3.3	50.0
Acenaphthylene-d8	2.000	1.823	0.010	-8.8	50.0
4-Nitrophenol-d4	0.179	0.200	0.010	11.4	50.0
Fluorene-d10	1.200	1.302	0.010	8.5	50.0
4,6-Dinitro-2-methylphenol-d2	0.182	0.084	0.010	-54.0	50.0
Anthracene-d10	1.110	0.989	0.010	-10.9	50.0
Pyrene-d10	1.005	0.926	0.010	-7.9	50.0
Benzo(a)pyrene-d12	0.992	0.886	0.010	-10.6	50.0

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax13.d
Date : 22-AUG-2013 14:56
Client ID: SSTD020AZ
Sample Info: CCVC
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax13.d
Lab Smp Id: CCVC Client Smp ID: SSTD020AZ
Inj Date : 22-AUG-2013 14:56
Operator : djb Inst ID: R.i
Smp Info : CCVC
Misc Info : SSTD020AZ
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 26-Aug-2013 11:58 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	5 Benzaldehyde	77	5.248	5.254	(0.895)	134207	47.1984	24
$	6 Phenol-d5	71	5.474	5.480	(0.933)	136325	33.1597	17(Q)
	7 Phenol	94	5.485	5.501	(0.935)	139681	37.9263	19(Q)
$	8 Bis(2-chloroethyl)ether-d8	67	5.495	5.501	(0.937)	131616	37.8593	19(Q)
	9 Bis(2-chloroethyl)ether	93	5.556	5.573	(0.947)	120284	40.9966	20
$	10 2-Chlorophenol-d4	132	5.598	5.603	(0.954)	150819	34.3924	17
	11 2-Chlorophenol	128	5.618	5.624	(0.958)	139915	38.0901	19
*	12 1,4-Dichlorobenzene-d4	152	5.865	5.871	(1.000)	126519	40.0000	
	14 2-Methylphenol	108	6.337	6.343	(1.081)	99701	36.1177	18
	15 2,2'-Oxybis(1-chloropropane)	45	6.358	6.364	(1.084)	147709	43.5983	22(Q)
$	16 4-Methylphenol-d8	113	6.522	6.528	(1.112)	74962	30.2509	15
	17 Acetophenone	105	6.502	6.507	(1.109)	214441	33.1064	17(Q)
	18 4-Methylphenol	108	6.553	6.569	(1.117)	99337	34.4218	17
	20 N-Nitroso-di-n-propylamine	70	6.553	6.569	(1.117)	121749	38.0342	19
	21 Hexachloroethane	117	6.604	6.620	(1.126)	138028	42.9419	21
$	22 Nitrobenzene-d5	128	6.717	6.733	(0.867)	62340	36.3299	18(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	23 Nitrobenzene	77	6.748	6.754	(0.871)	221936	43.7121	22
	24 Isophorone	82	7.097	7.114	(0.916)	329742	41.7124	21
$	25 2-Nitrophenol-d4	143	7.210	7.216	(0.931)	78530	36.3696	18
	26 2-Nitrophenol	139	7.221	7.237	(0.932)	74529	40.5526	20
	27 2,4-Dimethylphenol	107	7.323	7.340	(0.946)	187245	40.8444	20
	28 Bis(2-chloroethoxy)methane	93	7.457	7.473	(0.963)	139261	42.2889	21
$	29 2,4-Dichlorophenol-d3	165	7.560	7.576	(0.976)	135330	33.6342	17
	30 2,4-Dichlorophenol	162	7.580	7.586	(0.979)	126656	38.5674	19
*	31 Naphthalene-d8	136	7.745	7.750	(1.000)	367064	40.0000	
	32 Naphthalene	128	7.775	7.781	(1.004)	358281	41.8870	21
$	33 4-Chloroaniline-d4	131	7.888	7.904	(1.019)	137134	32.9912	16
	34 4-Chloroaniline	127	7.899	7.915	(1.020)	134695	36.1934	18
	35 Hexachlorobutadiene	225	8.063	8.069	(1.041)	205780	44.6991	22
	36 Caprolactam	113	8.351	8.377	(1.078)	25259	39.8499	20
	37 4-Chloro-3-methylphenol	107	8.638	8.644	(1.115)	124100	35.9485	18
	38 2-Methylnaphthalene	142	8.772	8.778	(1.133)	231380	37.4284	19
	39 1,2,4,5-Tetrachlorobenzene	216	9.070	9.076	(0.886)	183224	40.6199	20
	40 Hexachlorocyclopentadiene	237	9.101	9.106	(0.889)	170043	39.1788	20
	41 2,4,6-Trichlorophenol	196	9.224	9.230	(0.901)	96467	40.3737	20
	42 2,4,5-Trichlorophenol	196	9.275	9.291	(0.906)	92349	39.5765	20
	43 1,1'-Biphenyl	154	9.450	9.456	(0.923)	284816	37.7285	19
	45 2-Chloronaphthalene	162	9.450	9.456	(0.923)	252170	40.9647	20
	46 2-Nitroaniline	65	9.645	9.661	(0.942)	104024	50.2299	25
$	47 Dimethylphthalate-d6	166	9.933	9.949	(0.970)	340606	38.6608	19
	48 Dimethylphthalate	163	9.963	9.980	(0.973)	332961	43.8082	22
	51 2,6-Dinitrotoluene	165	10.046	10.051	(0.981)	66954	43.7495	22(QM)
$	49 Acenaphthylene-d8	160	10.015	10.021	(0.978)	358600	36.4747	18
	50 Acenaphthylene	152	10.025	10.041	(0.979)	349500	42.2796	21
	52 3-Nitroaniline	138	10.230	10.236	(0.999)	54795	51.2790	26
*	53 Acenaphthene-d10	164	10.241	10.257	(1.000)	196672	40.0000	
	54 Acenaphthene	153	10.292	10.298	(1.005)	206212	40.9439	20
	55 2,4-Dinitrophenol	184	10.364	10.370	(1.012)	13035	16.4251	8.2(aQ)
$	56 4-Nitrophenol-d4	143	10.487	10.503	(1.024)	39282	44.5716	22(Q)
	57 4-Nitrophenol	109	10.498	10.514	(1.025)	135397	56.2989	28(Q)
	58 Dibenzofuran	168	10.508	10.514	(1.026)	322529	43.1747	22
	60 2,4-Dinitrotoluene	165	10.580	10.586	(1.033)	96133	53.6812	27(Q)
	61 2,3,4,6-Tetrachlorophenol	232	10.744	10.760	(1.049)	88791	44.0385	22
	62 Diethylphthalate	149	10.939	10.945	(1.068)	432916	52.4859	26
$	63 Fluorene-d10	176	10.939	10.945	(1.068)	256029	43.3980	22
	64 Fluorene	166	10.980	10.986	(1.072)	258690	43.4287	22
	65 4-Chlorophenyl-phenylether	204	11.001	11.007	(1.074)	151934	40.0483	20
	66 4-Nitroaniline	138	11.063	11.079	(1.080)	53869	64.8339	32
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.114	11.120	(0.908)	34848	18.3995	9.2(aQ)
	68 4,6-Dinitro-2-methylphenol	198	11.124	11.130	(0.909)	34646	22.0049	11(Q)
	69 N-Nitrosodiphenylamine	169	11.165	11.171	(0.913)	140804	33.4536	17
	70 4-Bromophenyl-phenylether	248	11.648	11.654	(0.952)	121175	33.3296	17
	71 Hexachlorobenzene	284	11.833	11.839	(0.967)	199020	38.0673	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	72 Atrazine	200	11.946	11.962	(0.976)	112120	41.6294	21
	73 Pentachlorophenol	266	12.080	12.085	(0.987)	63286	24.6575	12
*	74 Phenanthrene-d10	188	12.234	12.239	(1.000)	415937	40.0000	
	75 Phenanthrene	178	12.264	12.270	(1.003)	414470	40.5815	20
$	76 Anthracene-d10	188	12.295	12.311	(1.005)	411155	35.6247	18
	77 Anthracene	178	12.326	12.332	(1.008)	407005	40.5417	20
	78 Carbazole	167	12.562	12.568	(1.027)	329775	42.0733	21
	79 Di-n-butylphthalate	149	13.138	13.143	(1.074)	724477	49.7317	25
	80 Fluoranthene	202	13.867	13.873	(1.133)	439562	40.9820	20
$	82 Pyrene-d10	212	14.144	14.150	(0.895)	406800	36.8512	18(R)
	83 Pyrene	202	14.165	14.171	(0.897)	412048	39.9852	20
	84 Butylbenzylphthalate	149	15.130	15.136	(0.958)	244770	41.7550	21
	85 3,3'-Dichlorobenzidine	252	15.778	15.784	(0.999)	201846	44.8139	22
	86 Benzo(a)anthracene	228	15.778	15.784	(0.999)	421999	40.1037	20
*	87 Chrysene-d12	240	15.798	15.804	(1.000)	439181	40.0000	
	88 Chrysene	228	15.829	15.835	(1.002)	362093	37.9257	19
	89 Bis(2-ethylhexyl)phthalate	149	15.942	15.948	(1.009)	312765	42.2914	21
	90 Di-n-octylphthalate	149	16.723	16.718	(0.951)	590429	39.0630	20
	91 Benzo(b)fluoranthene	252	17.144	17.150	(0.975)	597349	39.0894	20
	92 Benzo(k)fluoranthene	252	17.175	17.170	(0.977)	697478	45.0446	23
$	93 Benzo(a)pyrene-d12	264	17.493	17.499	(0.995)	484299	35.7461	18
	94 Benzo(a)pyrene	252	17.514	17.520	(0.996)	527680	39.8724	20
*	95 Perylene-d12	264	17.586	17.581	(1.000)	546450	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	18.849	18.865	(1.072)	418203	27.4344	14
	97 Dibenzo(a,h)anthracene	278	18.870	18.876	(1.073)	322146	24.9086	12
	98 Benzo(g,h,i)perylene	276	19.198	19.215	(1.092)	290788	22.7351	11

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

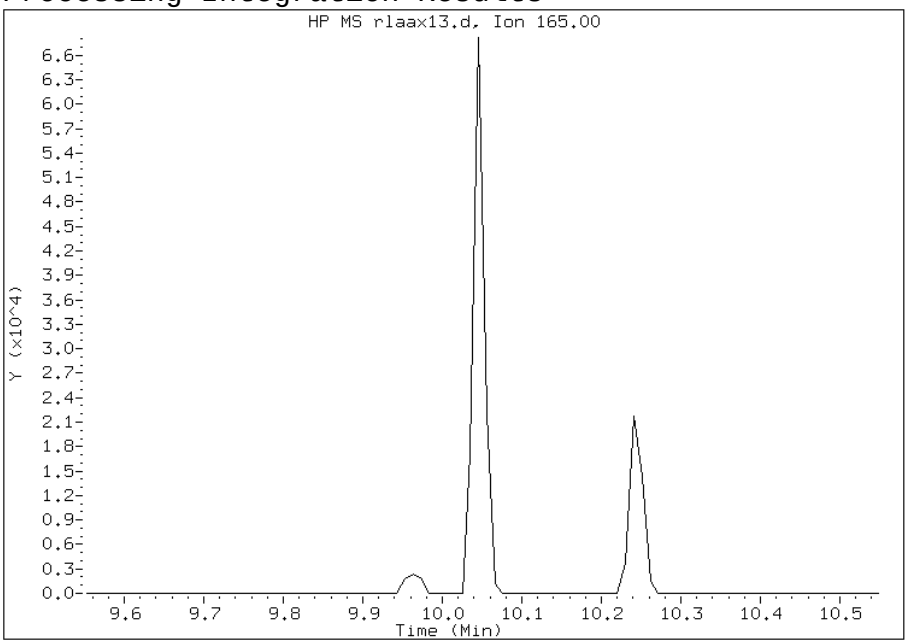
Manual Integration Report

Data File: rlaax13.d
Lab Sample ID: CCVC
Inj. Date and Time: 22-AUG-2013 14:56
Instrument ID: R.i
Client ID: SSTD020AZ
Compound: 51 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 08/26/2013

Processing Integration Results

Not Detected

Expected RT: 10.05



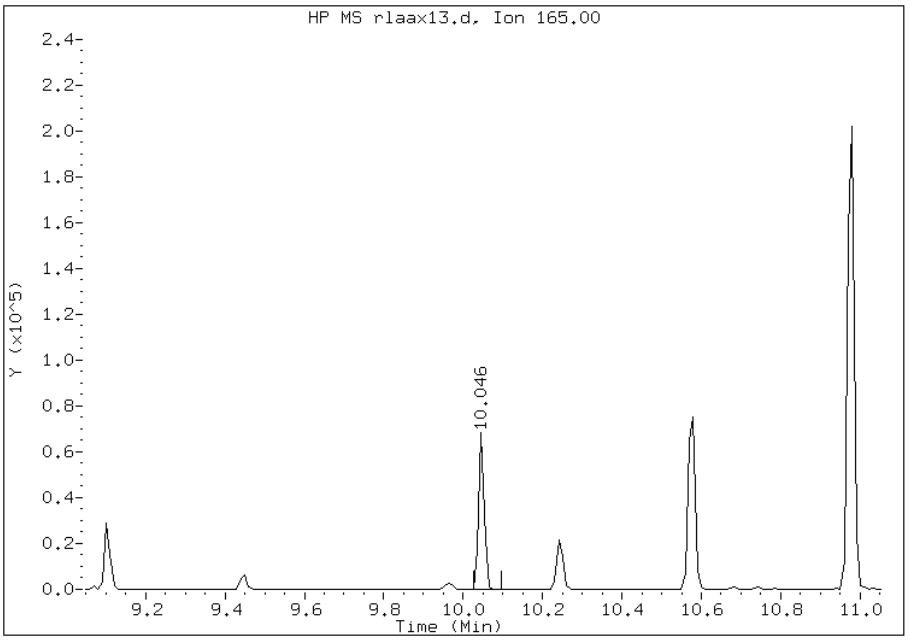
Manual Integration Results

RT: 10.05

Response: 66954

Amount: 43.75

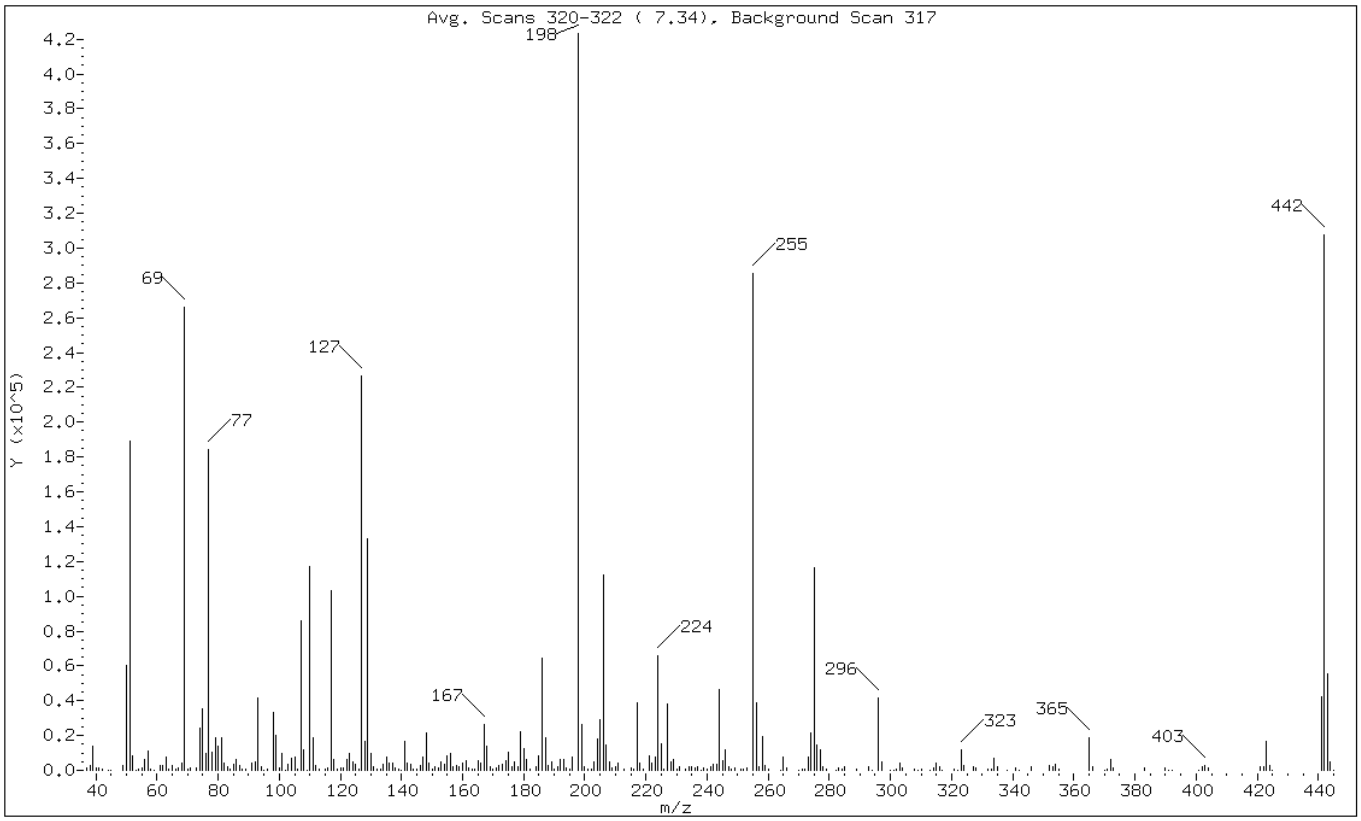
Conc: 21.87



File Uploaded By: je
Manual Integration Reason: Analyte not identified by the data system

Data File:	rla02.d	Date:	13-AUG-2013 13:09
Client ID:	DFTPPP8	Instrument:	R.i
Operator:	djb	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.25 (mm)
Stationary Phase:	RXI-5MS		
Sample Info:	DFTPP		
Lab Sample ID:	DFTPP		

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	44.64
68	Less than 2.00% of mass 69	0.97 (1.54)
69	Mass 69 relative abundance	62.87
70	Less than 2.00% of mass 69	0.19 (0.30)
127	10.00 - 80.00% of mass 198	53.54
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.15
275	10.00 - 60.00% of mass 198	27.49
365	Greater than 1.00% of mass 198	4.50
441	Present, but less than mass 443	9.91
442	50.00 - 100.00% of mass 198	72.72
443	15.00 - 24.00% of mass 442	13.17 (18.11)

Data File: rla02.d
Client ID: DFTPPP8
Operator: djb
Column Type:
Stationary Phase: RXI-5MS
Sample Info: DFTPP
Lab Sample ID: DFTPP

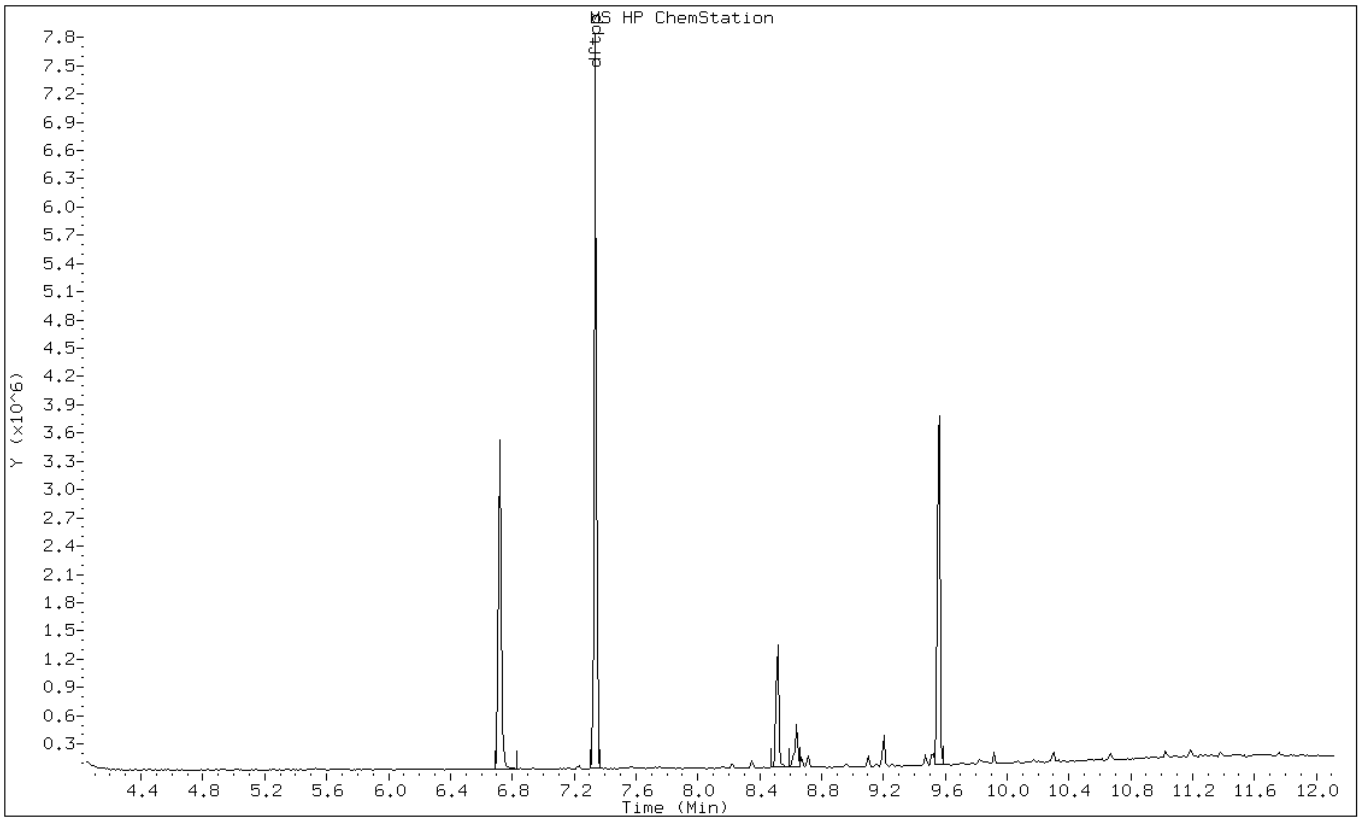
Date: 13-AUG-2013 13:09
Instrument: R.i
Inj Vol: 2.0 (ul)
Diameter: 0.25 (mm)

Data File: /chem/R.i/Rsvr.p/rlasom.b/rla02.d
Spectrum: Avg. Scans 320-322 (7.34), Background Scan 317
Location of Maximum: 198.00
Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1056	118.00	6304	191.00	2239	276.00	14242
38.00	2820	119.00	676	192.00	5944	277.00	11734
39.00	14161	120.00	1090	193.00	6492	278.00	1766
40.00	1085	121.00	1074	194.00	1191	279.00	406
41.00	1544	122.00	6285	195.00	806	282.00	290
42.00	528	123.00	9431	196.00	7739	283.00	1393
44.00	53	124.00	4572	198.00	423232	284.00	716
45.00	295	125.00	3526	199.00	26040	285.00	1845
49.00	2470	126.00	385	200.00	2389	289.00	808
50.00	60376	127.00	226624	201.00	814	293.00	2413
51.00	188928	128.00	16880	202.00	451	294.00	309
52.00	8455	129.00	132736	203.00	4559	296.00	41808
53.00	209	130.00	9890	204.00	17984	297.00	5022
54.00	513	131.00	1832	205.00	29128	300.00	260
55.00	1149	132.00	590	206.00	112528	301.00	172
56.00	6120	133.00	481	207.00	14239	302.00	672
57.00	11034	134.00	3687	208.00	5033	303.00	4349
58.00	669	135.00	7647	209.00	1272	304.00	1075
59.00	186	136.00	4008	210.00	2048	308.00	692
61.00	2559	137.00	3940	211.00	4425	309.00	319
62.00	2823	138.00	1077	213.00	454	310.00	351
63.00	7954	139.00	740	215.00	1690	313.00	248
64.00	927	140.00	296	216.00	985	314.00	1635
65.00	3061	141.00	16816	217.00	38736	315.00	4254
66.00	743	142.00	4419	218.00	4196	316.00	2036
67.00	1249	143.00	3575	219.00	723	317.00	186
68.00	4110	144.00	753	221.00	8027	321.00	1009
69.00	266048	145.00	1025	222.00	4059	322.00	256
70.00	805	146.00	2901	223.00	7380	323.00	12005
71.00	1194	147.00	7615	224.00	65768	324.00	2589
73.00	1597	148.00	21472	225.00	15158	327.00	2123
74.00	24552	149.00	3827	226.00	679	328.00	1089
75.00	35216	150.00	569	227.00	37768	332.00	772
76.00	9545	151.00	1926	228.00	5028	333.00	547
77.00	184320	152.00	1092	229.00	6138	334.00	7191
78.00	10630	153.00	4773	230.00	754	335.00	1835
79.00	18424	154.00	3523	231.00	2105	338.00	234
80.00	13847	155.00	8411	233.00	609	341.00	1381
81.00	19024	156.00	9772	234.00	2038	342.00	202
82.00	4180	157.00	1957	235.00	2182	346.00	2389
83.00	1883	158.00	2431	236.00	1465	352.00	3019
84.00	825	159.00	1946	237.00	2007	353.00	2141
85.00	3438	160.00	4337	238.00	168	354.00	3685

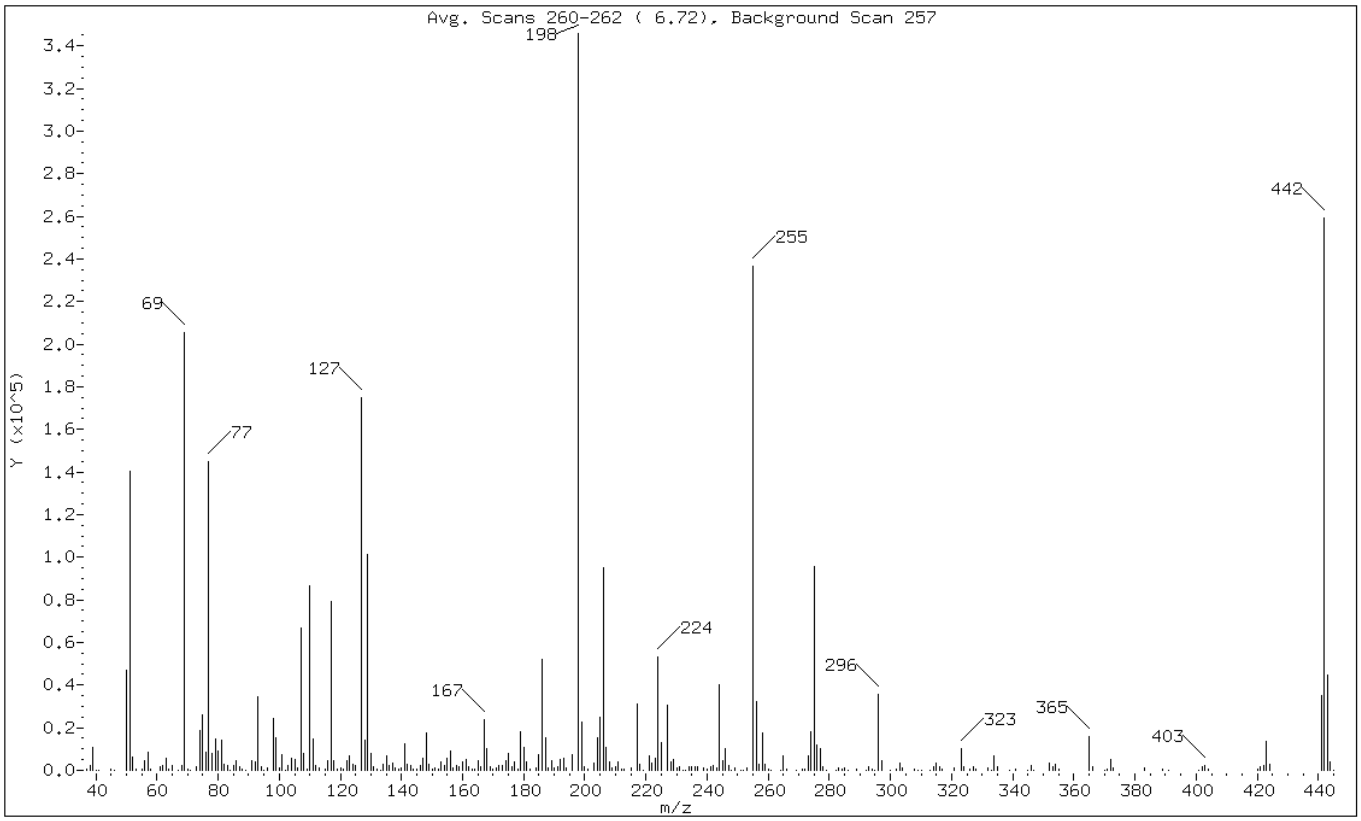
86.00	6036	161.00	5401	239.00	1392	355.00	463
87.00	2462	162.00	1480	240.00	871	365.00	19024
88.00	771	163.00	477	241.00	1786	366.00	2010
89.00	454	164.00	498	242.00	3329	370.00	170
91.00	4423	165.00	5823	243.00	3443	371.00	755
92.00	5030	166.00	4227	244.00	46528	372.00	5939
93.00	41896	167.00	26464	245.00	5735	373.00	1459
94.00	2152	168.00	13574	246.00	11975	383.00	1332
95.00	221	169.00	2279	247.00	2349	390.00	1047
96.00	698	170.00	992	248.00	531	391.00	322
98.00	33064	171.00	1263	249.00	1342	392.00	194
99.00	19936	172.00	2737	251.00	434	401.00	179
100.00	1218	173.00	3126	252.00	700	402.00	2026
101.00	10024	174.00	5442	253.00	1435	403.00	2842
102.00	225	175.00	10312	255.00	285248	404.00	1042
103.00	3155	176.00	1947	256.00	38744	421.00	2138
104.00	6983	177.00	5077	257.00	1933	422.00	2074
105.00	7466	178.00	2108	258.00	19712	423.00	16800
106.00	396	179.00	22456	259.00	2635	424.00	2866
107.00	85976	180.00	12440	260.00	707	425.00	233
108.00	11449	181.00	6289	264.00	248	441.00	41936
109.00	91	182.00	790	265.00	7740	442.00	307776
110.00	117080	184.00	1957	266.00	1117	443.00	55728
111.00	18936	185.00	8391	270.00	181	444.00	4801
112.00	2950	186.00	64696	271.00	850	445.00	206
113.00	696	187.00	18664	272.00	940		
115.00	398	188.00	2433	273.00	7497		
116.00	1575	189.00	4670	274.00	21272		
117.00	103504	190.00	697	275.00	116360		

Data File:	rla02.d	Date:	13-AUG-2013 13:09
Client ID:	DFTPPP8	Instrument:	R.i
Operator:	djb	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.25 (mm)
Stationary Phase:	RXI-5MS		
Sample Info:	DFTPP		
Lab Sample ID:	DFTPP		



Data File: rlaau02.d
Client ID: DFTPPQ5
Operator: djb
Column Type:
Stationary Phase: RXI-5MS
Sample Info: DFTPP
Lab Sample ID: DFTPP
1 dftpp

Date: 21-AUG-2013 10:14
Instrument: R.i
Inj Vol: 2.0 (ul)
Diameter: 0.25 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	40.65
68	Less than 2.00% of mass 69	0.69 (1.17)
69	Mass 69 relative abundance	59.44
70	Less than 2.00% of mass 69	0.16 (0.28)
127	10.00 - 80.00% of mass 198	50.52
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.58
275	10.00 - 60.00% of mass 198	27.66
365	Greater than 1.00% of mass 198	4.53
441	Present, but less than mass 443	10.12
442	50.00 - 100.00% of mass 198	74.94
443	15.00 - 24.00% of mass 442	12.96 (17.29)

Data File: rlaau02.d
Client ID: DFTPPQ5
Operator: djb
Column Type:
Stationary Phase: RXI-5MS
Sample Info: DFTPP
Lab Sample ID: DFTPP

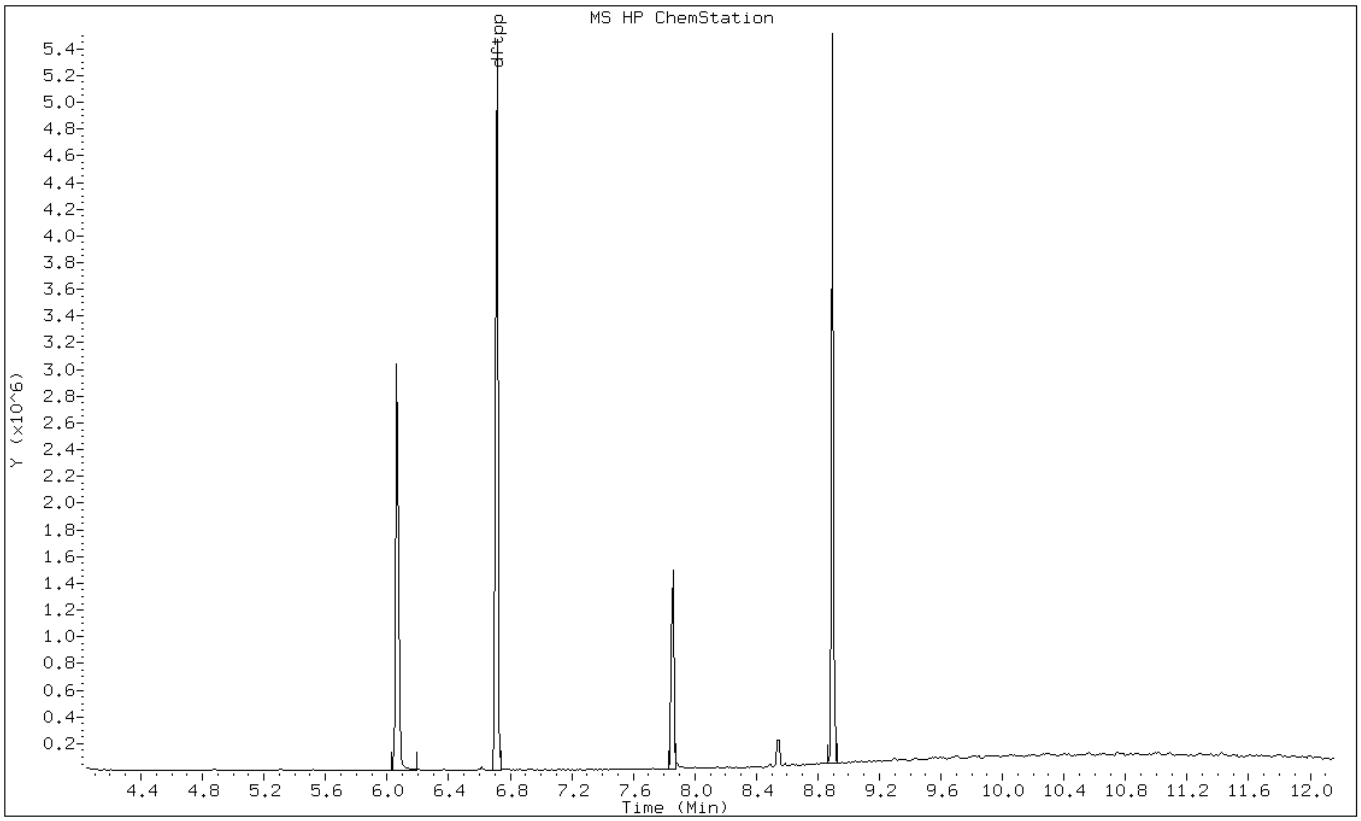
Date: 21-AUG-2013 10:14
Instrument: R.i
Inj Vol: 2.0 (ul)
Diameter: 0.25 (mm)

Data File: /chem/R.i/Rsvr.p/rlaausom.b/rlaau02.d
Spectrum: Avg. Scans 260-262 (6.72), Background Scan 257
Location of Maximum: 198.00
Number of points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	738	121.00	284	193.00	5400	278.00	1544
38.00	2466	122.00	4702	194.00	975	279.00	185
39.00	10607	123.00	6945	196.00	7447	282.00	202
40.00	226	124.00	3012	198.00	345792	283.00	1153
41.00	10	125.00	2401	199.00	22768	284.00	833
45.00	502	127.00	174656	200.00	1744	285.00	1390
46.00	172	128.00	14065	201.00	709	286.00	198
50.00	46872	129.00	101496	203.00	3338	289.00	488
51.00	140544	130.00	8119	204.00	15134	292.00	276
52.00	6456	131.00	1447	205.00	25040	293.00	1942
53.00	428	132.00	698	206.00	95320	294.00	546
55.00	786	133.00	194	207.00	10981	295.00	232
56.00	4461	134.00	2957	208.00	3714	296.00	35608
57.00	8655	135.00	6804	209.00	1211	297.00	4639
58.00	300	136.00	2427	210.00	1761	300.00	211
61.00	1726	137.00	3242	211.00	3848	302.00	326
62.00	2134	138.00	1083	212.00	523	303.00	3416
63.00	5590	139.00	337	213.00	293	304.00	942
64.00	723	140.00	1316	215.00	1318	308.00	326
65.00	2129	141.00	12544	217.00	30976	309.00	235
67.00	200	142.00	2807	218.00	3075	310.00	271
68.00	2395	143.00	2039	219.00	274	313.00	228
69.00	205504	144.00	465	221.00	6876	314.00	1864
70.00	569	145.00	527	222.00	3251	315.00	3666
71.00	241	146.00	2096	223.00	5814	316.00	1659
73.00	1913	147.00	5388	224.00	53400	317.00	291
74.00	18752	148.00	17464	225.00	13114	321.00	974
75.00	25768	149.00	2963	227.00	30288	323.00	10153
76.00	8503	150.00	641	228.00	3993	324.00	1950
77.00	144640	151.00	1364	229.00	5191	326.00	728
78.00	7864	152.00	424	230.00	870	327.00	1502
79.00	14752	153.00	3800	231.00	1713	328.00	846
80.00	9049	154.00	2336	232.00	240	332.00	1388
81.00	14136	155.00	5927	233.00	257	333.00	238
82.00	2977	156.00	8787	234.00	1621	334.00	7007
83.00	2392	157.00	1285	235.00	1643	335.00	1488
84.00	234	158.00	2509	236.00	1655	339.00	180
85.00	2166	159.00	1722	237.00	1631	341.00	727
86.00	4590	160.00	3839	239.00	1179	345.00	223
87.00	1652	161.00	4876	240.00	710	346.00	2285
88.00	347	162.00	1445	241.00	1592	347.00	256
89.00	183	163.00	459	242.00	2444	352.00	3325
91.00	4271	164.00	288	243.00	986	353.00	1666

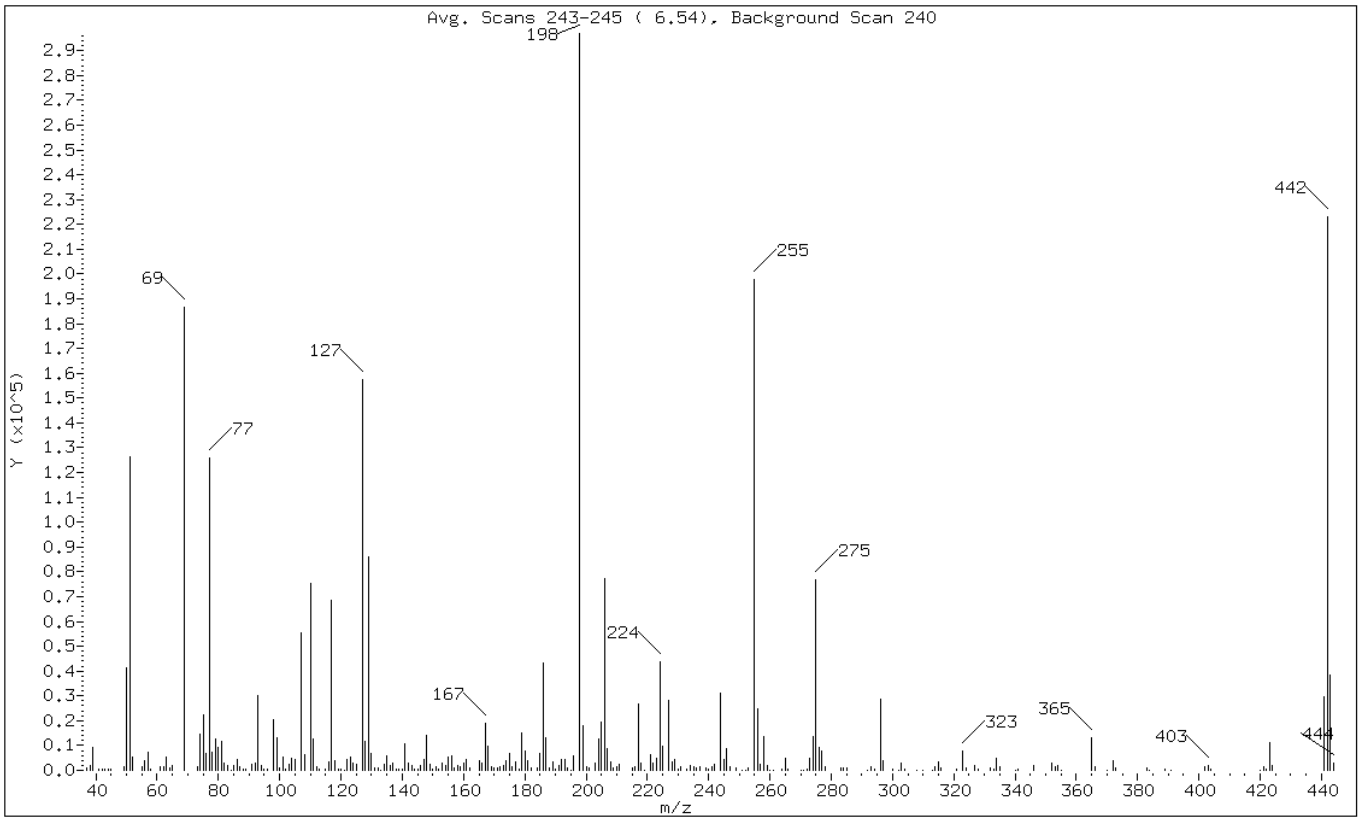
92.00	3719	165.00	4596	244.00	40016	354.00	2698
93.00	34448	166.00	1759	245.00	4438	355.00	297
94.00	1786	167.00	23560	246.00	10285	365.00	15657
95.00	230	168.00	10455	247.00	2084	366.00	1809
96.00	1184	169.00	1842	248.00	207	370.00	196
98.00	24392	170.00	810	249.00	1145	371.00	724
99.00	15056	171.00	997	251.00	232	372.00	5064
100.00	1367	172.00	2089	252.00	253	373.00	865
101.00	7627	173.00	2299	253.00	1024	383.00	1094
102.00	237	174.00	4696	255.00	236608	389.00	335
103.00	2339	175.00	7895	256.00	32144	391.00	272
104.00	5928	176.00	1875	257.00	2643	401.00	245
105.00	5185	177.00	3873	258.00	17296	402.00	1896
106.00	881	178.00	770	259.00	2750	403.00	2208
107.00	66904	179.00	18056	260.00	293	404.00	488
108.00	7940	180.00	10509	261.00	275	420.00	323
109.00	817	181.00	4117	264.00	249	421.00	1810
110.00	86848	182.00	753	265.00	6848	422.00	2110
111.00	14690	184.00	1372	266.00	790	423.00	13776
112.00	2163	185.00	7445	269.00	184	424.00	2755
113.00	1062	186.00	52296	271.00	627	441.00	34992
115.00	445	187.00	15048	272.00	409	442.00	259136
116.00	4322	188.00	1229	273.00	6916	443.00	44808
117.00	79376	189.00	4458	274.00	17928	444.00	3682
118.00	4712	190.00	927	275.00	95648	445.00	175
119.00	329	191.00	1668	276.00	12066		
120.00	931	192.00	5197	277.00	10102		

Data File:	rlaau02.d	Date:	21-AUG-2013 10:14
Client ID:	DFTPPQ5	Instrument:	R.i
Operator:	djb	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.25 (mm)
Stationary Phase:	RXI-5MS		
Sample Info:	DFTPP		
Lab Sample ID:	DFTPP		



Data File: rlaax01.d
Client ID: DFTPPQ6
Operator: djb
Column Type:
Stationary Phase: RXI-5MS
Sample Info: DFTPP
Lab Sample ID: DFTPP
1 dftpp

Date: 22-AUG-2013 07:47
Instrument: R.i
Inj Vol: 2.0 (ul)
Diameter: 0.25 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	42.59
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	62.92
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	52.98
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.07
275	10.00 - 60.00% of mass 198	25.86
365	Greater than 1.00% of mass 198	4.46
441	Present, but less than mass 443	10.05
442	50.00 - 100.00% of mass 198	75.13
443	15.00 - 24.00% of mass 442	12.93 (17.21)

Data File: rlaax01.d
Client ID: DFTPPQ6
Operator: djb
Column Type:
Stationary Phase: RXI-5MS
Sample Info: DFTPP
Lab Sample ID: DFTPP

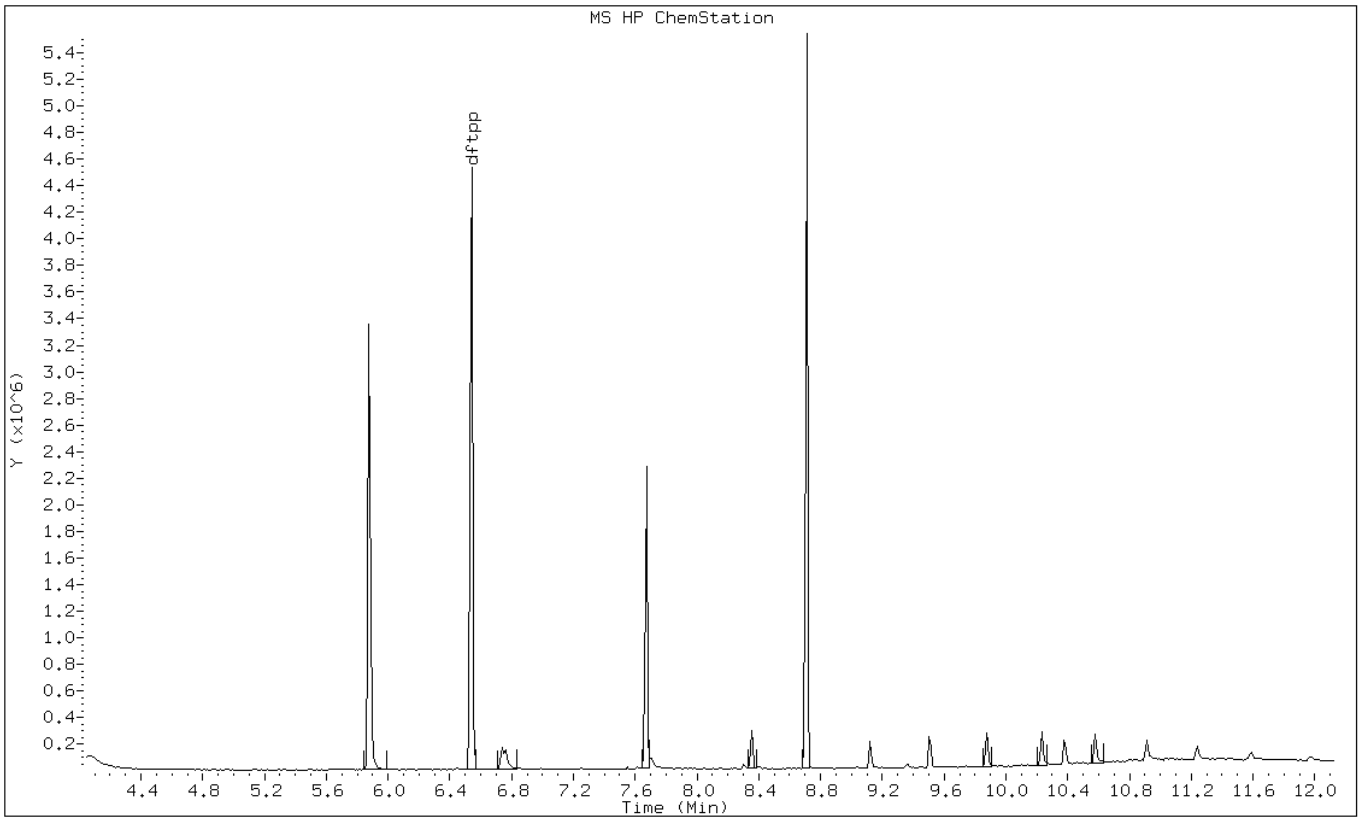
Date: 22-AUG-2013 07:47
Instrument: R.i
Inj Vol: 2.0 (ul)
Diameter: 0.25 (mm)

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax01.d
Spectrum: Avg. Scans 243-245 (6.54), Background Scan 240
Location of Maximum: 198.00
Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	801	121.00	242	190.00	488	273.00	4969
38.00	1953	122.00	4358	191.00	1802	274.00	13473
39.00	9118	123.00	5375	192.00	4490	275.00	76768
41.00	670	124.00	2769	193.00	4419	276.00	9463
42.00	536	125.00	2364	194.00	908	277.00	7699
43.00	388	127.00	157248	195.00	209	278.00	1227
44.00	475	128.00	11547	196.00	6069	283.00	796
45.00	666	129.00	85848	198.00	296896	284.00	783
49.00	1268	130.00	6808	199.00	18032	285.00	1194
50.00	41264	131.00	1133	200.00	1315	292.00	195
51.00	126440	132.00	820	201.00	917	293.00	1588
52.00	5536	133.00	224	203.00	2936	294.00	424
55.00	1374	134.00	2518	204.00	12431	296.00	28432
56.00	3829	135.00	5851	205.00	19520	297.00	3890
57.00	7298	136.00	1977	206.00	77088	300.00	276
58.00	371	137.00	3140	207.00	8961	302.00	240
61.00	1238	138.00	326	208.00	3469	303.00	3129
62.00	1621	139.00	503	209.00	1089	304.00	661
63.00	5245	140.00	417	210.00	1421	308.00	231
64.00	771	141.00	10827	211.00	2602	310.00	224
65.00	1811	142.00	3128	215.00	1134	313.00	174
69.00	186752	143.00	2123	216.00	1416	314.00	1402
73.00	1511	144.00	309	217.00	26592	315.00	3373
74.00	14756	145.00	291	218.00	2804	316.00	1008
75.00	22496	146.00	1939	219.00	227	321.00	704
76.00	6911	147.00	4431	221.00	6362	323.00	7932
77.00	125848	148.00	14143	222.00	2841	324.00	950
78.00	7250	149.00	2235	223.00	4891	327.00	1998
79.00	12456	150.00	251	224.00	43784	328.00	512
80.00	9245	151.00	1519	225.00	9544	332.00	798
81.00	11750	152.00	256	227.00	28096	333.00	707
82.00	2915	153.00	2841	228.00	3253	334.00	4953
83.00	1957	154.00	2173	229.00	4187	335.00	1427
84.00	235	155.00	5564	230.00	461	340.00	222
85.00	2130	156.00	5709	231.00	1413	341.00	596
86.00	4349	157.00	964	233.00	277	346.00	2058
87.00	1467	158.00	1863	234.00	1972	352.00	2708
88.00	585	159.00	1264	235.00	1597	353.00	1443
89.00	447	160.00	2713	236.00	1026	354.00	1844
91.00	2610	161.00	4441	237.00	1233	355.00	231
92.00	2920	162.00	1058	239.00	775	365.00	13229
93.00	30176	165.00	3829	240.00	687	366.00	1611
94.00	1952	166.00	2689	241.00	1303	370.00	211

95.00	413	167.00	18880	242.00	2299	372.00	3797
96.00	710	168.00	9790	244.00	31000	373.00	856
98.00	20224	169.00	1215	245.00	4443	383.00	1144
99.00	13344	170.00	839	246.00	8572	384.00	167
100.00	1125	171.00	847	247.00	1445	389.00	323
101.00	5533	172.00	1686	249.00	991	391.00	207
102.00	390	173.00	1959	251.00	229	402.00	1618
103.00	2393	174.00	3693	252.00	188	403.00	1824
104.00	4774	175.00	6754	253.00	869	404.00	364
105.00	4581	176.00	1282	255.00	197568	420.00	187
107.00	55176	177.00	3435	256.00	24840	421.00	1365
108.00	6252	178.00	673	257.00	2200	422.00	415
110.00	75232	179.00	15006	258.00	13571	423.00	11019
111.00	12823	180.00	7647	259.00	2152	424.00	2177
112.00	1630	181.00	3991	260.00	198	441.00	29840
113.00	497	182.00	809	261.00	214	442.00	223040
115.00	543	184.00	1061	264.00	323	443.00	38376
116.00	3469	185.00	6664	265.00	4869	444.00	2867
117.00	68736	186.00	43416	266.00	401		
118.00	4053	187.00	12887	270.00	216		
119.00	622	188.00	1183	271.00	206		
120.00	655	189.00	3609	272.00	328		

Data File:	rlaax01.d	Date:	22-AUG-2013 07:47
Client ID:	DFTPPQ6	Instrument:	R.i
Operator:	djb	Inj Vol:	2.0 (ul)
Column Type:		Diameter:	0.25 (mm)
Stationary Phase:	RXI-5MS		
Sample Info:	DFTPP		
Lab Sample ID:	DFTPP		



EPA SAMPLE NO.
SBLKQ7

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59243/1-B
Sample wt/vol: 30.1 (g/mL) g Lab File ID: RLAAX07.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: Decanted: (Y/N) N Date Received:
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013
GPC Cleanup: (Y/N) Y pH: 6.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

EPA SAMPLE NO.
SBLKQ7

Lab Name: TESTAMERICA BURLINGTON Contract:
Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59243/1-B
Sample wt/vol: 30.1 (g/mL) g Lab File ID: RLAAX07.D
Level: (LOW/MED) LOW Extraction: (Type) SONC
% Moisture: Decanted: (Y/N) N Date Received:
Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013
Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013
GPC Cleanup: (Y/N) Y pH: 6.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamin [1]	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	12	J
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	51	J
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

[1] Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SBLKQ7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59243/1-B

Sample wt/vol: 30.1 (g/mL) g Lab File ID: RLAAX07.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 08/01/2013

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 08/22/2013

GPC Cleanup: (Y/N) Y pH: 6.3 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax07.d

Page 1

Date : 22-AUG-2013 11:20

Client ID: SBLKQ7

Instrument: R.i

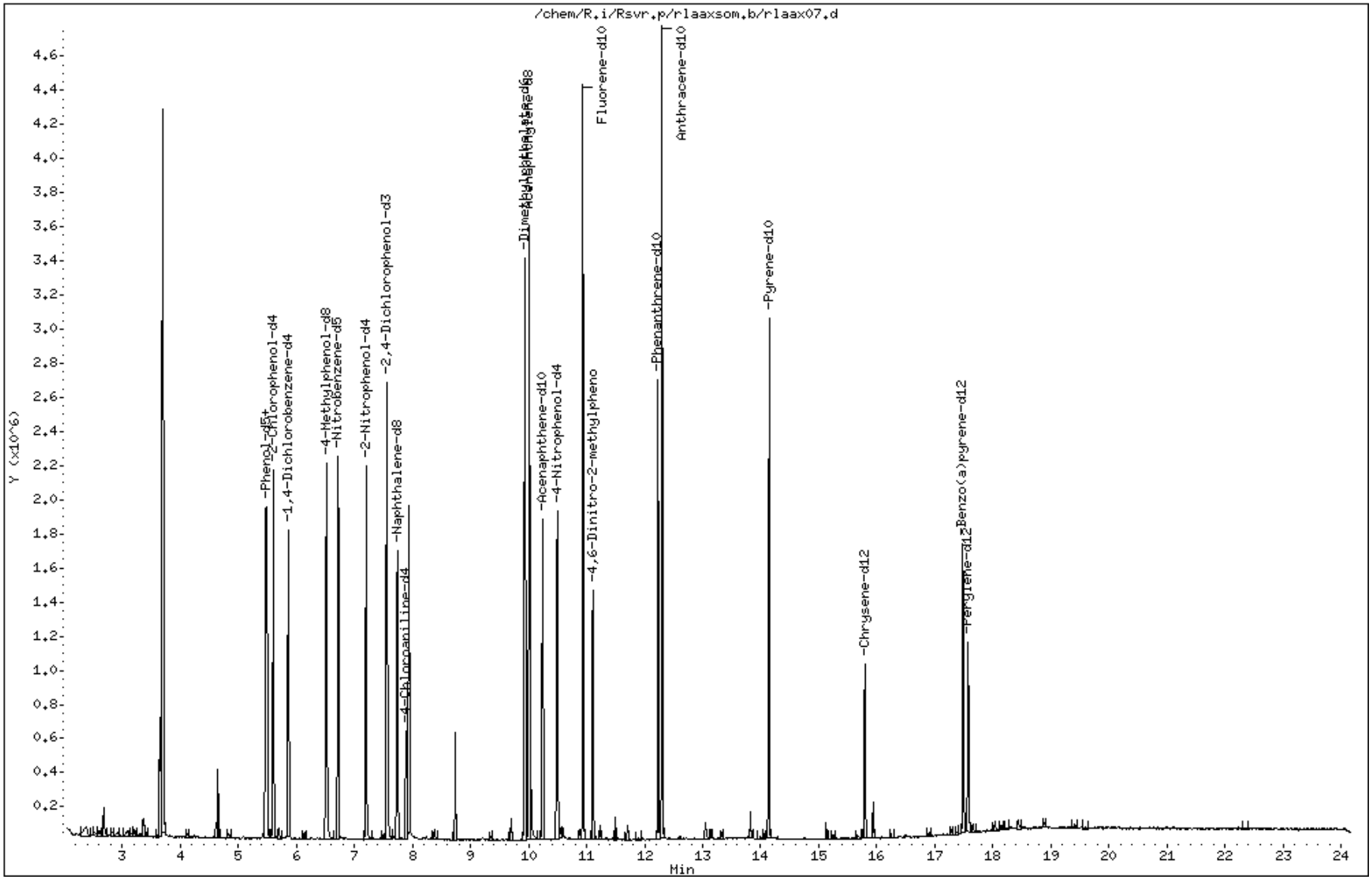
Sample Info: MB 200-59243_1-B

Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax07.d
Lab Smp Id: MB 200-59243_1-B Client Smp ID: SBLKQ7
Inj Date : 22-AUG-2013 11:20
Operator : djb Inst ID: R.i
Smp Info : MB 200-59243_1-B
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 23-Aug-2013 09:28 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * (1/Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	5 Benzaldehyde	77	Compound Not Detected.					
$	6 Phenol-d5	71	5.473	5.480	(0.933)	533524	67.0869	34(Q)
	7 Phenol	94	Compound Not Detected.					
$	8 Bis(2-chloroethyl)ether-d8	67	5.494	5.501	(0.937)	364400	54.1865	27(Q)
	9 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	10 2-Chlorophenol-d4	132	5.607	5.603	(0.956)	410369	48.3761	24
	11 2-Chlorophenol	128	Compound Not Detected.					
*	12 1,4-Dichlorobenzene-d4	152	5.864	5.871	(1.000)	244741	40.0000	
	14 2-Methylphenol	108	Compound Not Detected.					
	15 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	16 4-Methylphenol-d8	113	6.521	6.528	(1.112)	375788	78.3952	39
	17 Acetophenone	105	Compound Not Detected.					
	18 4-Methylphenol	108	Compound Not Detected.					
	20 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	21 Hexachloroethane	116	Compound Not Detected.					
$	22 Nitrobenzene-d5	128	6.716	6.733	(0.867)	229000	62.4637	31(Q)
	23 Nitrobenzene	77	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng/uL)
	24 Isophorone	82	Compound Not Detected.					
$	25 2-Nitrophenol-d4	143	7.209	7.216	(0.931)	272778	59.1299	30
	26 2-Nitrophenol	139	Compound Not Detected.					
	27 2,4-Dimethylphenol	107	Compound Not Detected.					
	28 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	29 2,4-Dichlorophenol-d3	165	7.559	7.576	(0.976)	485054	56.4251	28
	30 2,4-Dichlorophenol	162	Compound Not Detected.					
*	31 Naphthalene-d8	136	7.744	7.750	(1.000)	784237	40.0000	
	32 Naphthalene	128	Compound Not Detected.					
$	33 4-Chloroaniline-d4	131	7.898	7.904	(1.020)	235130	26.4762	13
	34 4-Chloroaniline	127	Compound Not Detected.					
	35 Hexachlorobutadiene	224	Compound Not Detected.					
	36 Caprolactam	113	Compound Not Detected.					
	37 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	38 2-Methylnaphthalene	142	Compound Not Detected.					
	39 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	40 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	41 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	42 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	43 1,1'-Biphenyl	154	Compound Not Detected.					
	45 2-Chloronaphthalene	162	Compound Not Detected.					
	46 2-Nitroaniline	65	Compound Not Detected.					
$	47 Dimethylphthalate-d6	166	9.942	9.949	(0.971)	1525140	71.6323	36
	48 Dimethylphthalate	163	Compound Not Detected.					
	51 2,6-Dinitrotoluene	165	Compound Not Detected.					
$	49 Acenaphthylene-d8	160	10.014	10.021	(0.978)	1522936	64.0978	32
	50 Acenaphthylene	152	Compound Not Detected.					
	52 3-Nitroaniline	138	Compound Not Detected.					
*	53 Acenaphthene-d10	164	10.240	10.257	(1.000)	475294	40.0000	
	54 Acenaphthene	153	Compound Not Detected.					
	55 2,4-Dinitrophenol	184	Compound Not Detected.					
$	56 4-Nitrophenol-d4	143	10.497	10.503	(1.025)	186159	87.4035	44
	57 4-Nitrophenol	109	Compound Not Detected.					
	58 Dibenzofuran	168	Compound Not Detected.					
	60 2,4-Dinitrotoluene	165	Compound Not Detected.					
	61 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	62 Diethylphthalate	149	Compound Not Detected.					
$	63 Fluorene-d10	176	10.938	10.945	(1.068)	1125334	78.9301	39
	64 Fluorene	166	Compound Not Detected.					
	65 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	66 4-Nitroaniline	138	Compound Not Detected.					
$	67 4,6-Dinitro-2-methylphenol-d2	200	11.113	11.120	(0.908)	166121	35.1549	18(Q)
	68 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	69 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	70 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	71 Hexachlorobenzene	283	Compound Not Detected.					
	72 Atrazine	200	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng/uL)
	73 Pentachlorophenol	265	Compound Not Detected.					
*	74 Phenanthrene-d10	188	12.233	12.239	(1.000)	1037756	40.0000	
	75 Phenanthrene	178	Compound Not Detected.					
$	76 Anthracene-d10	188	12.305	12.311	(1.006)	1880409	65.3026	33
	77 Anthracene	178	Compound Not Detected.					
	78 Carbazole	167	Compound Not Detected.					
	79 Di-n-butylphthalate	149	13.137	13.143	(1.074)	26015	0.71576	0.36(a)
	80 Fluoranthene	202	Compound Not Detected.					
$	82 Pyrene-d10	212	14.143	14.150	(0.895)	1309155	104.055	52(R)
	83 Pyrene	202	Compound Not Detected.					
	84 Butylbenzylphthalate	149	15.130	15.136	(0.958)	20590	3.08183	1.5(a)
	85 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	86 Benzo(a)anthracene	228	Compound Not Detected.					
*	87 Chrysene-d12	240	15.797	15.804	(1.000)	500543	40.0000	
	88 Chrysene	228	Compound Not Detected.					
	89 Bis(2-ethylhexyl)phthalate	149	15.941	15.948	(1.009)	58277	6.91406	3.5(a)
	90 Di-n-octylphthalate	149	Compound Not Detected.					
	91 Benzo(b)fluoranthene	252	Compound Not Detected.					
	92 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	93 Benzo(a)pyrene-d12	264	17.482	17.499	(0.995)	918819	63.8993	32
	94 Benzo(a)pyrene	252	Compound Not Detected.					
*	95 Perylene-d12	264	17.574	17.581	(1.000)	579962	40.0000	
	96 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	97 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	98 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rlaaxsom.b/rlaax07.d
Lab Smp Id: MB 200-59243_1-B Client Smp ID: SBLKQ7
Inj Date : 22-AUG-2013 11:20
Operator : djb Inst ID: R.i
Smp Info : MB 200-59243_1-B
Misc Info : 1.0,
Comment :
Method : /chem/R.i/Rsvr.p/rlaaxsom.b/iSOM12.m
Meth Date : 23-Aug-2013 09:28 je Quant Type: ISTD
Cal Date : 13-AUG-2013 16:32 Cal File: rla08.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

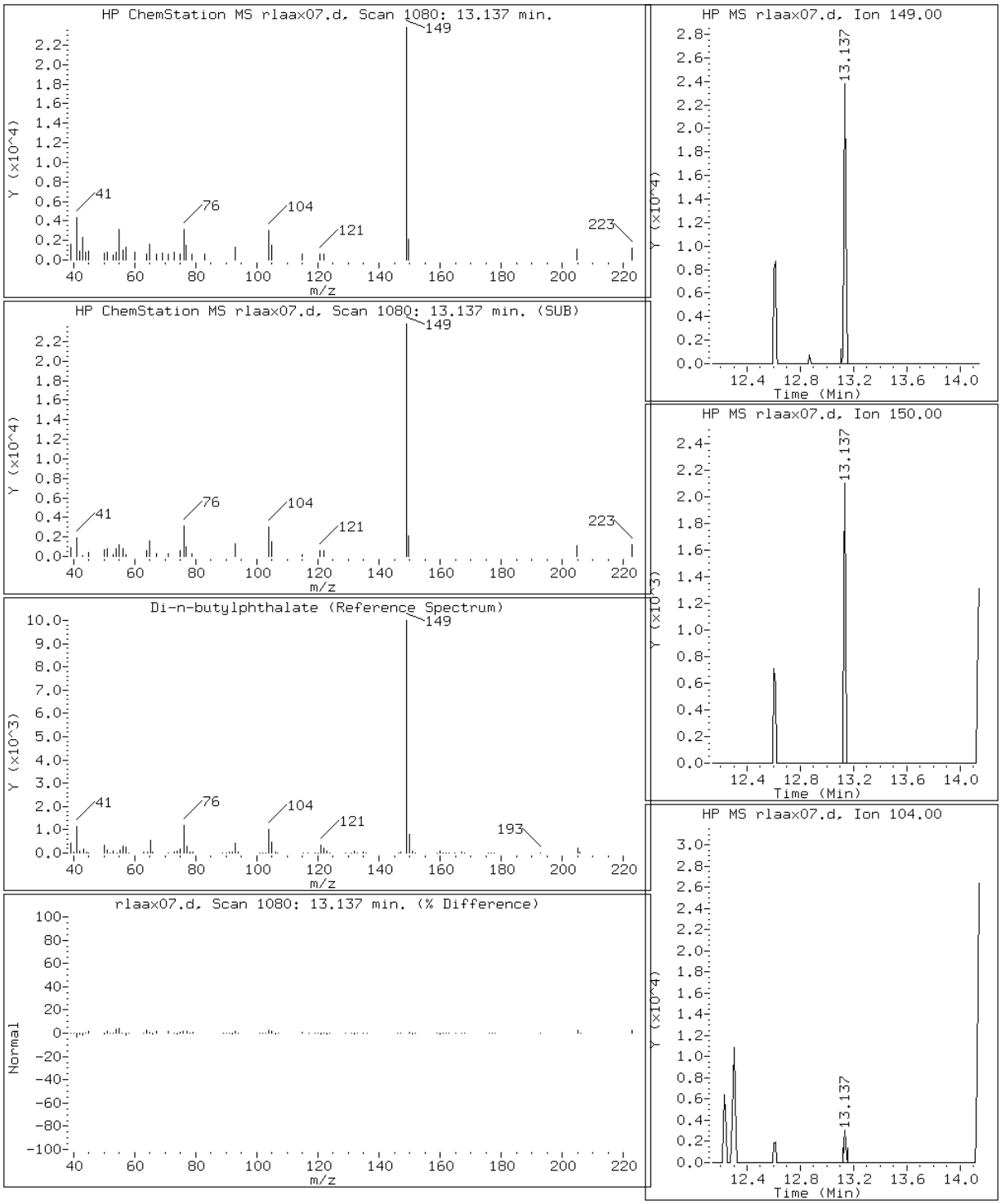
Data File: rlaax07.d

Lab Sample ID: MB 200-59243_1-B Date: 22-AUG-2013 11:20

Client ID: SBLKQ7 Instrument: R.i

Sample Info: MB 200-59243_1-B Operator: djb

79 Di-n-butylphthalate



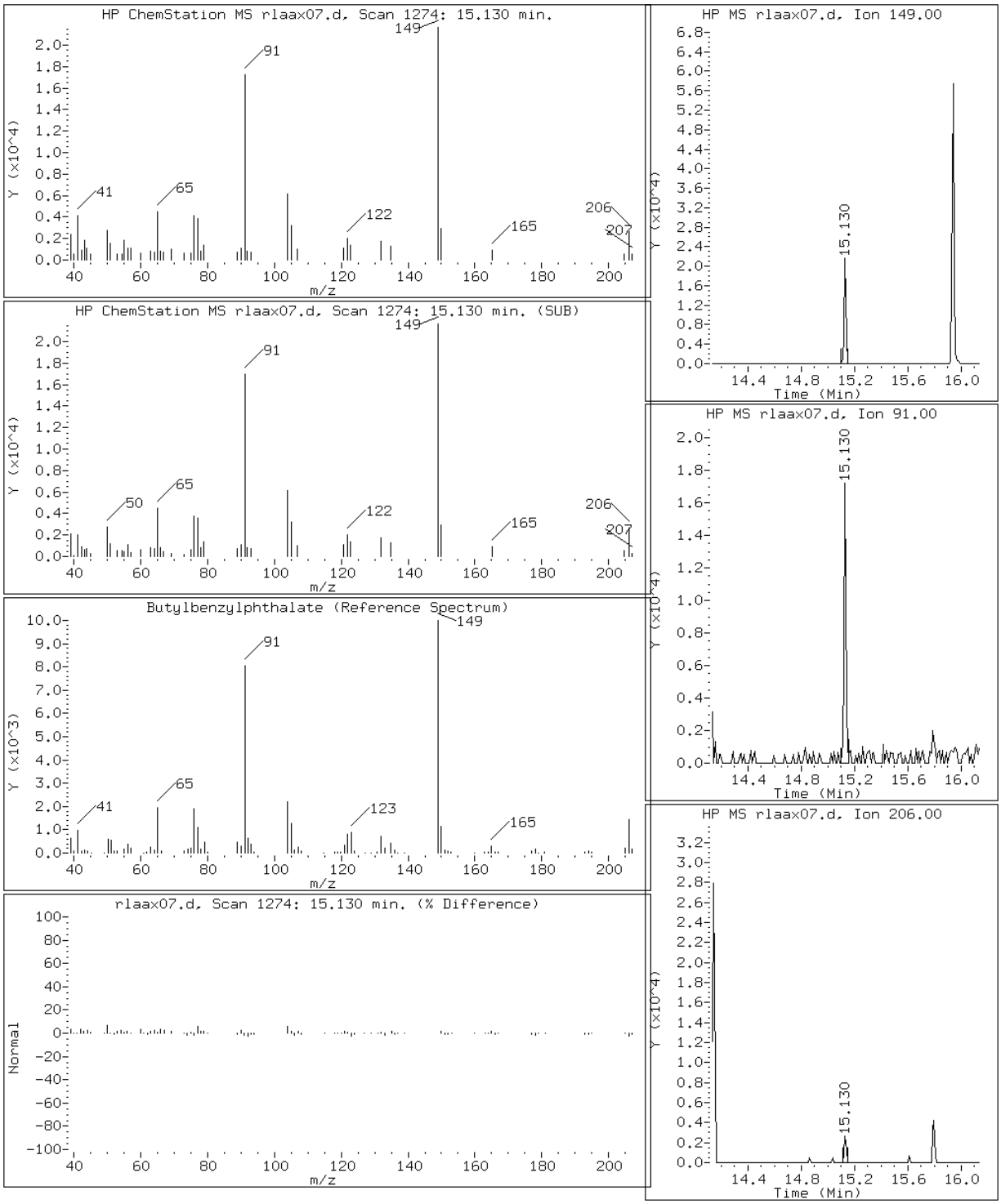
Data File: rlaax07.d

Lab Sample ID: MB 200-59243_1-B Date: 22-AUG-2013 11:20

Client ID: SBLKQ7 Instrument: R.i

Sample Info: MB 200-59243_1-B Operator: djb

84 Butylbenzylphthalate



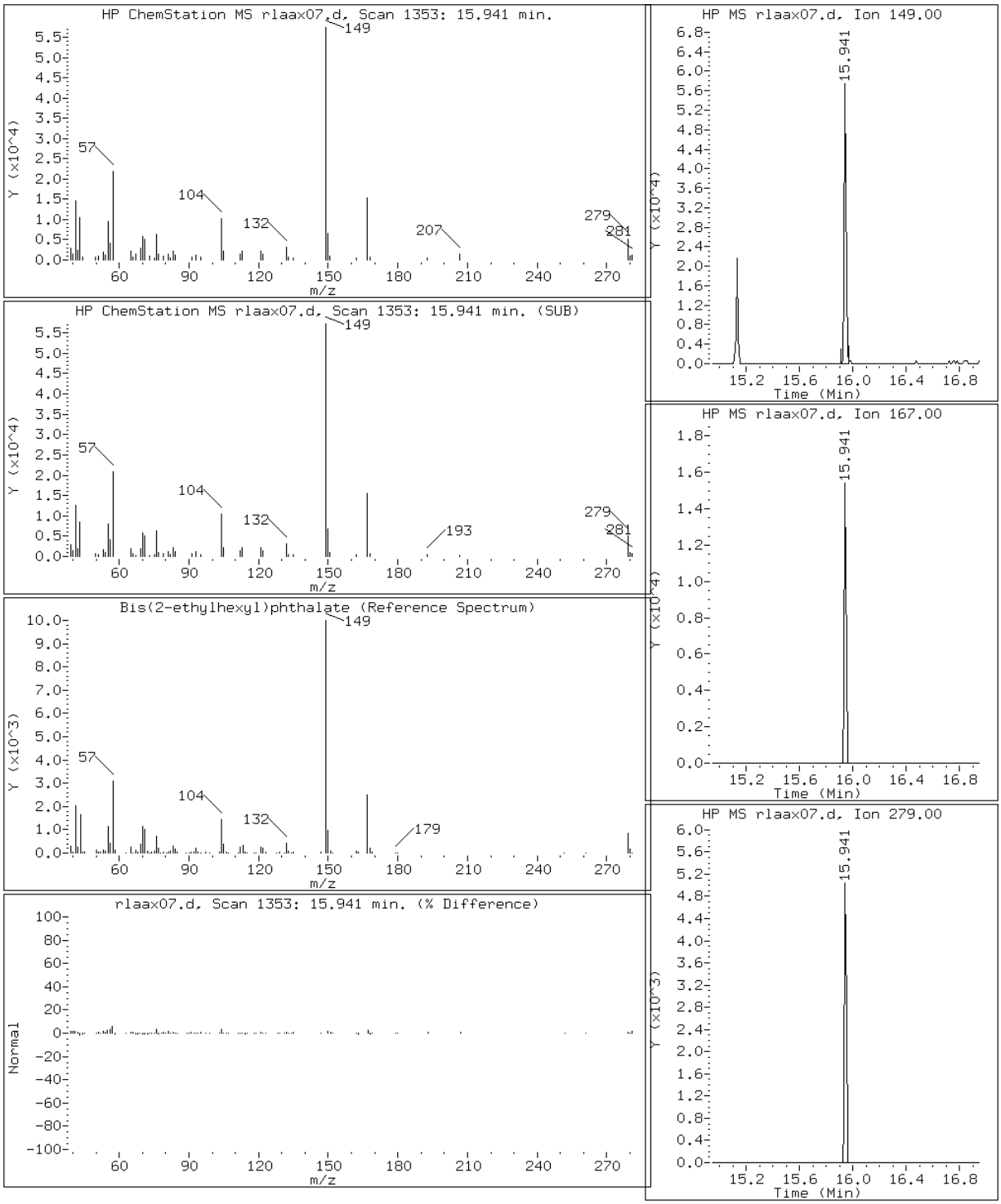
Data File: rlaax07.d

Lab Sample ID: MB 200-59243_1-B Date: 22-AUG-2013 11:20

Client ID: SBLKQ7 Instrument: R.i

Sample Info: MB 200-59243_1-B Operator: djb

89 Bis(2-ethylhexyl)phthalate



2P - FORM II PEST-2
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKX7	59	64	88	87			0
02	PLCSX7	59	63	83	81			0
03	TS003 (072413)	50	50	59	58			0
04	TS004 (072413)	66	66	83	73			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3M - FORM III PEST-4
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
PLCSX7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: LCS 200-59240/2-D LCS Lot No.: A088867

Date Extracted: 08/01/2013 Date Analyzed (1): 08/28/2013

Instrument ID (1): 5005_1.i GC Column (1): RTX-CLP ID: 0.32 (mm)

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.71	0.88	51	50-120
Heptachlor epoxide	1.71	1.1	63	50-150
Dieldrin	3.41	2.2	65	30-130
4,4'-DDE	3.41	2.0	60	50-150
Endrin	3.41	2.2	64	50-120
Endosulfan sulfate	3.41	2.3	66	50-120
gamma-Chlordane	1.71	1.0	60	30-130

Instrument ID (2): 5005_2.i GC Column (2): RTX-CLPII ID: 0.32 (mm)

Date Analyzed (2): 08/28/2013

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.71	0.92	54	50-120
Heptachlor epoxide	1.71	1.1	64	50-150
Dieldrin	3.41	2.2	65	30-130
4,4'-DDE	3.41	2.0	60	50-150
Endrin	3.41	2.2	64	50-120
Endosulfan sulfate	3.41	2.2	65	50-120
gamma-Chlordane	1.71	1.0	61	30-130

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 14 outside limits.

COMMENTS:

4E - FORM IV PEST
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
PBLKX7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File ID: 5005ATDSOM04.D Lab Sample ID: MB 200-59240/1-D

Matrix: (SOIL/SED/WATER) Soil Extraction: (Type) SONC Date Extracted: 08/01/2013

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) Y

Date Analyzed (1): 08/28/2013 Date Analyzed (2): 08/28/2013

Time Analyzed (1): 0940 Time Analyzed (2): 0940

Instrument ID (1): 5005_1.i Instrument ID (2): 5005_2.i

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCSX7	LCS 200-59240/2-D	08/28/2013	08/28/2013
02	TS003 (072413)	200-17642-2	08/28/2013	08/28/2013
03	TS004 (072413)	200-17642-3	08/28/2013	08/28/2013

COMMENTS:

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 5005ATDSOM06.D

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/2013

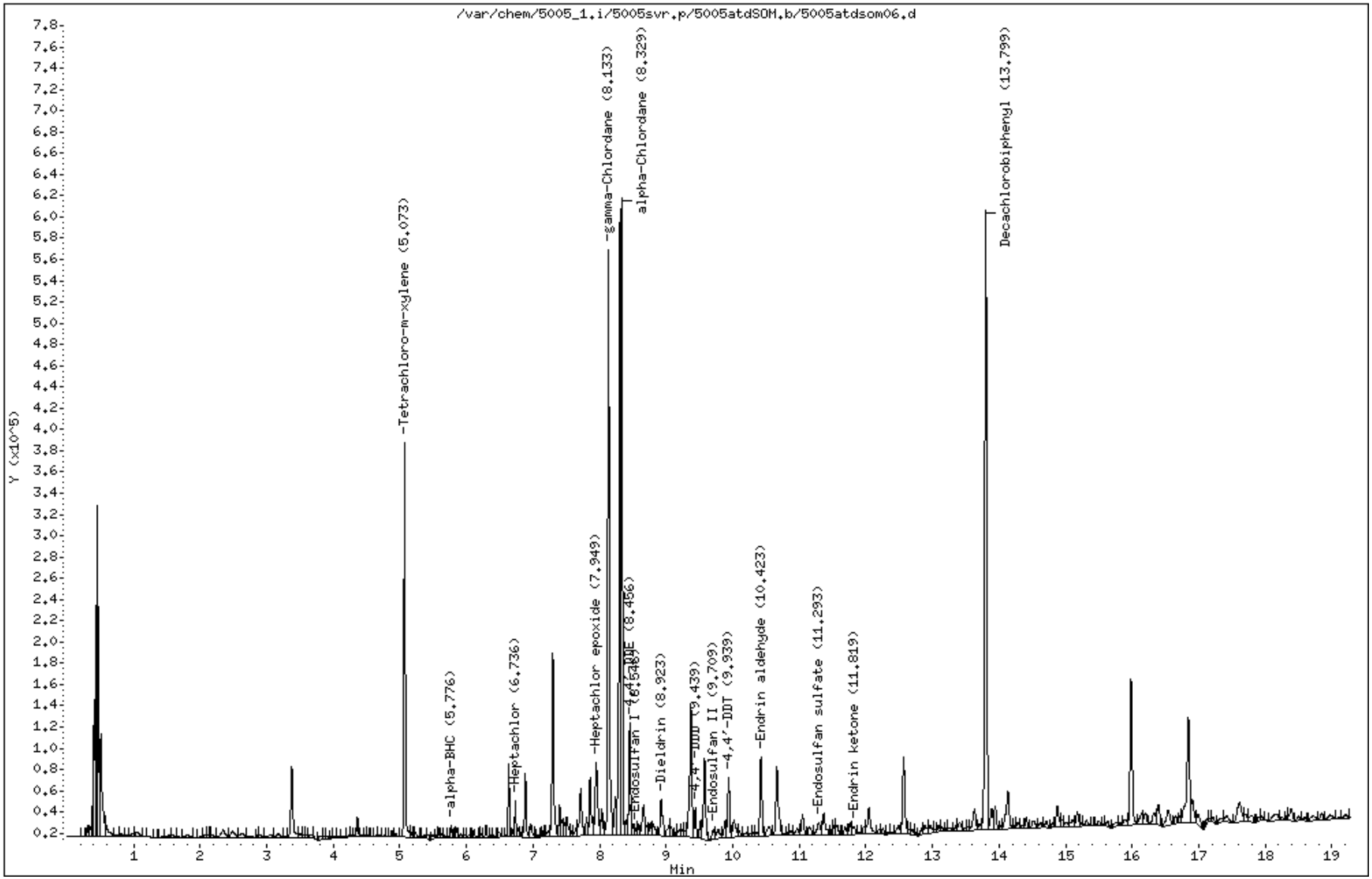
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	0.056	J P
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	0.79	J P B
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	1.1	J P
959-98-8	Endosulfan I	0.19	J P
60-57-1	Dieldrin	1.1	J
72-55-9	4,4'-DDE	2.8	J
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	0.39	J P B
72-54-8	4,4'-DDD	1.0	J
1031-07-8	Endosulfan sulfate	0.55	J P
50-29-3	4,4'-DDT	2.5	J
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	0.31	J
7421-93-4	Endrin aldehyde	0.52	J P
5103-71-9	alpha-Chlordane	17	
5103-74-2	gamma-Chlordane	16	
8001-35-2	Toxaphene	200	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom06.d
Date : 28-AUG-2013 10:25
Client ID: TS003 (072413)
Sample Info: 200-17642-F-2-I
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 28-AUG-2013 10:25
Operator : RRM Inst ID: 5005_1.i
Smp Info : 200-17642-F-2-I
Misc Info : 200-17642-F-2-I
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.073	5.070	0.003	371807	0.03010	0.03010	80.00- 120.00	100.00(M)
2 alpha-BHC					CAS #: 319-84-6		
5.776	5.789	-0.013	10769	0.000508	0.0005079	80.00- 120.00	100.00(aM)
6 Heptachlor					CAS #: 76-44-8		
6.736	6.734	0.002	33622	0.00197	0.001970	80.00- 120.00	100.00(aM)
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.949	7.949	0.000	67733	0.00503	0.005033	80.00- 120.00	100.00(M)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.133	8.130	0.003	549916	0.03934	0.03934	80.00- 120.00	100.00(M)
10 alpha-Chlordane					CAS #: 5103-71-9		
8.329	8.330	-0.001	598545	0.04478	0.04478	80.00- 120.00	100.00(M)
11 4,4'-DDE					CAS #: 72-55-9		
8.456	8.454	0.002	104931	0.00736	0.007363	80.00- 120.00	100.00(aM)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
12 Endosulfan I						CAS #: 959-98-8	
8.546	8.540	0.006	5524	0.000465	0.0004649	80.00- 120.00	100.00(aM)
13 Dieldrin						CAS #: 60-57-1	
8.923	8.920	0.003	34445	0.00269	0.002694	80.00- 120.00	100.00(aM)
15 4,4'-DDD						CAS #: 72-54-8	
9.439	9.438	0.001	27805	0.00296	0.002957	80.00- 120.00	100.00(aM)
16 Endosulfan II						CAS #: 33213-65-9	
9.709	9.691	0.018	9325	0.000962	0.0009621	80.00- 120.00	100.00(aM)
17 4,4'-DDT						CAS #: 50-29-3	
9.939	9.939	0.000	57001	0.00663	0.006629	80.00- 120.00	100.00(aM)
18 Endrin aldehyde						CAS #: 7421-93-4	
10.423	10.464	-0.041	74322	0.00954	0.009544	80.00- 120.00	100.00(aM)
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.293	11.281	0.012	11720	0.00137	0.001368	80.00- 120.00	100.00(aM)
21 Endrin ketone						CAS #: 53494-70-5	
11.819	11.804	0.015	7639	0.000773	0.0007729	80.00- 120.00	100.00(aM)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.799	13.798	0.001	583113	0.07027	0.07027	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/29/2013

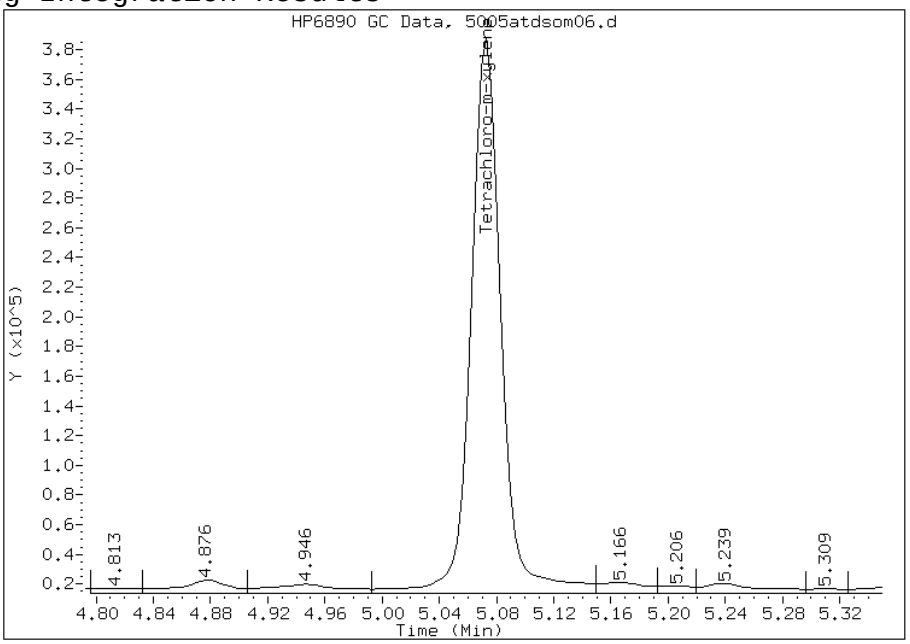
Processing Integration Results

RT: 5.07

Response: 374338

Amount: 0.030301

Conc: 0.030300



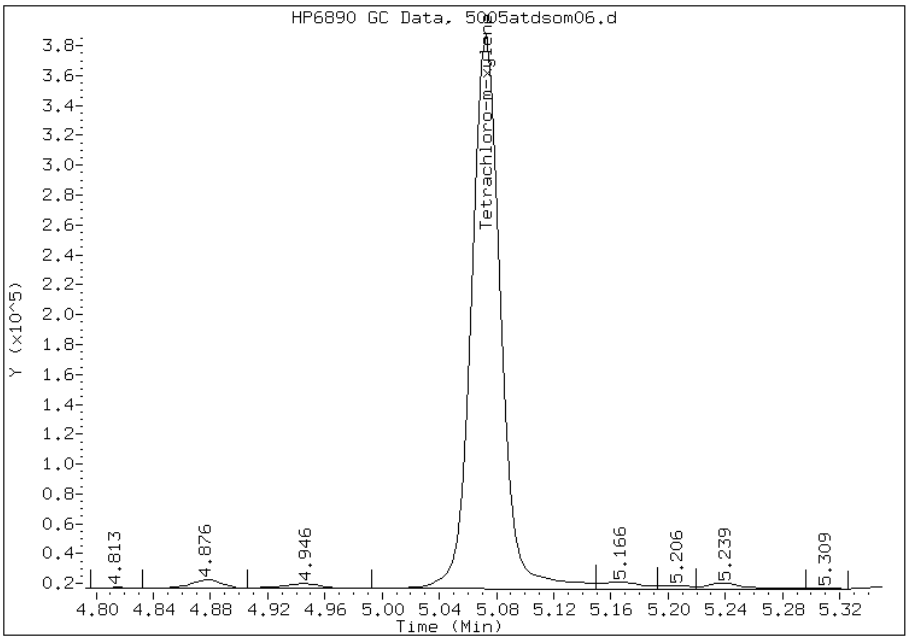
Manual Integration Results

RT: 5.07

Response: 371807

Amount: 0.030096

Conc: 0.030100



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 2 alpha-BHC
CAS #: 319-84-6
Report Date: 08/29/2013

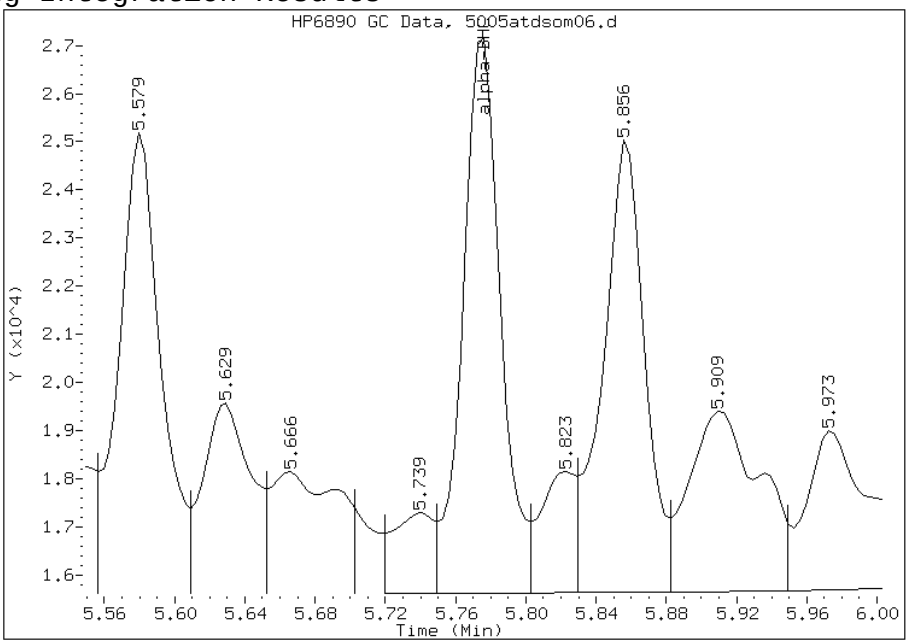
Processing Integration Results

RT: 5.78

Response: 11548

Amount: 0.000545

Conc: 0.000545



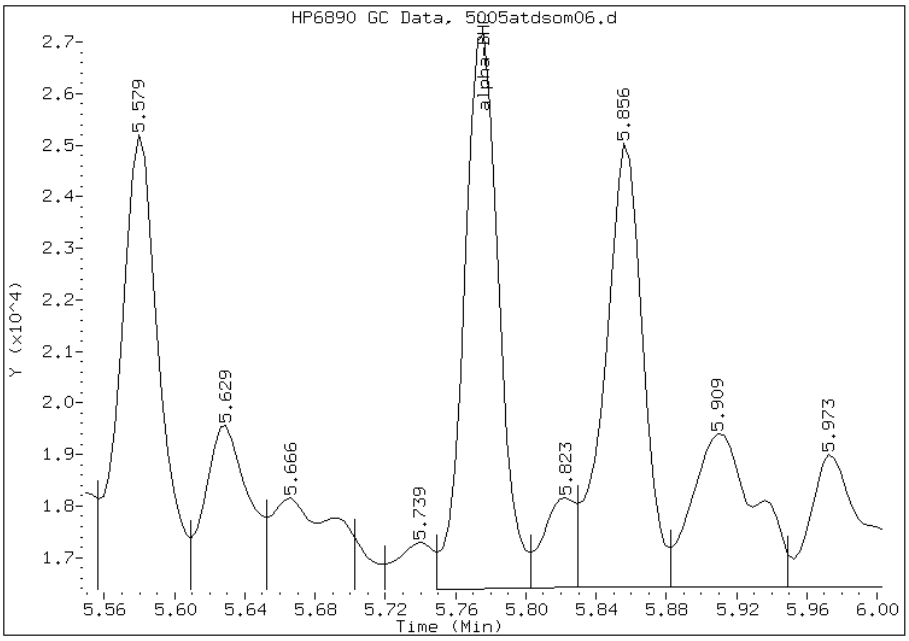
Manual Integration Results

RT: 5.78

Response: 10769

Amount: 0.000508

Conc: 0.000508



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 6 Heptachlor
CAS #: 76-44-8
Report Date: 08/29/2013

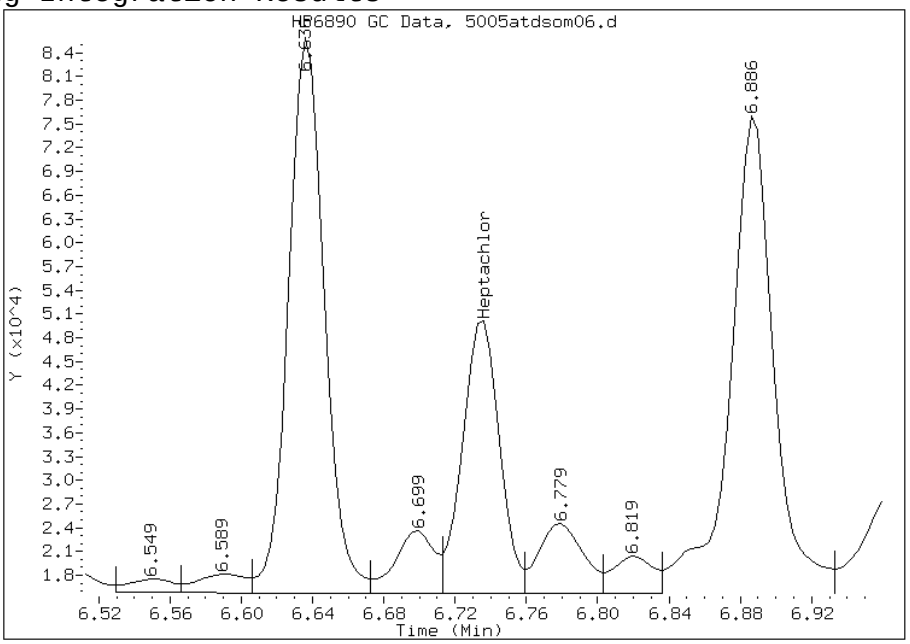
Processing Integration Results

RT: 6.74

Response: 34456

Amount: 0.002019

Conc: 0.002019



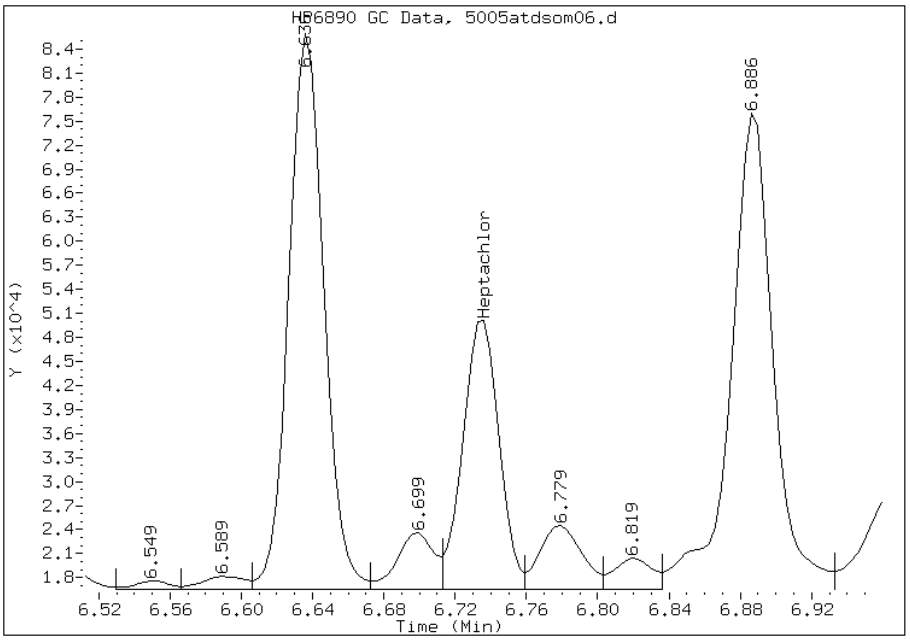
Manual Integration Results

RT: 6.74

Response: 33622

Amount: 0.001970

Conc: 0.001970



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 8 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 08/29/2013

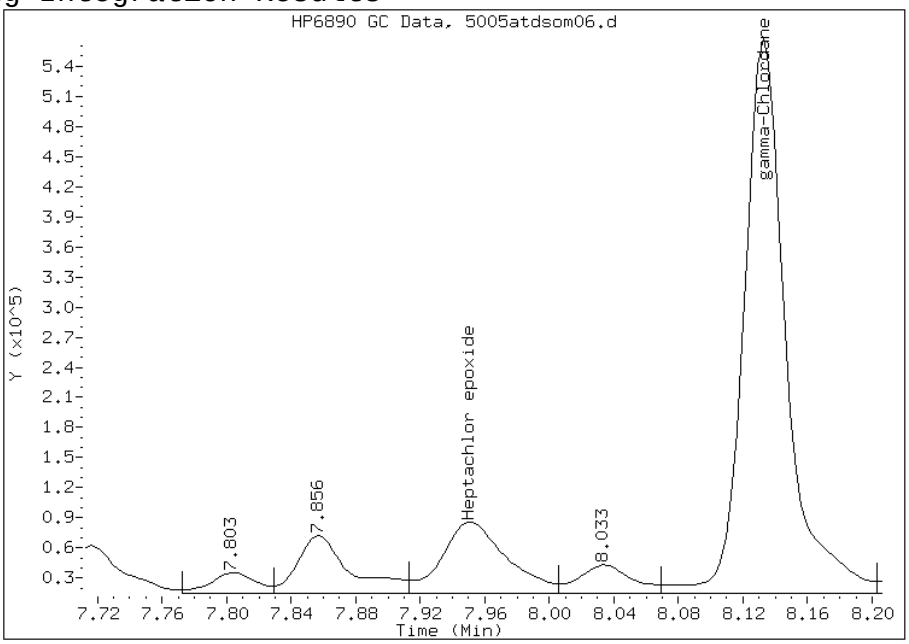
Processing Integration Results

RT: 7.95

Response: 71313

Amount: 0.005299

Conc: 0.005299



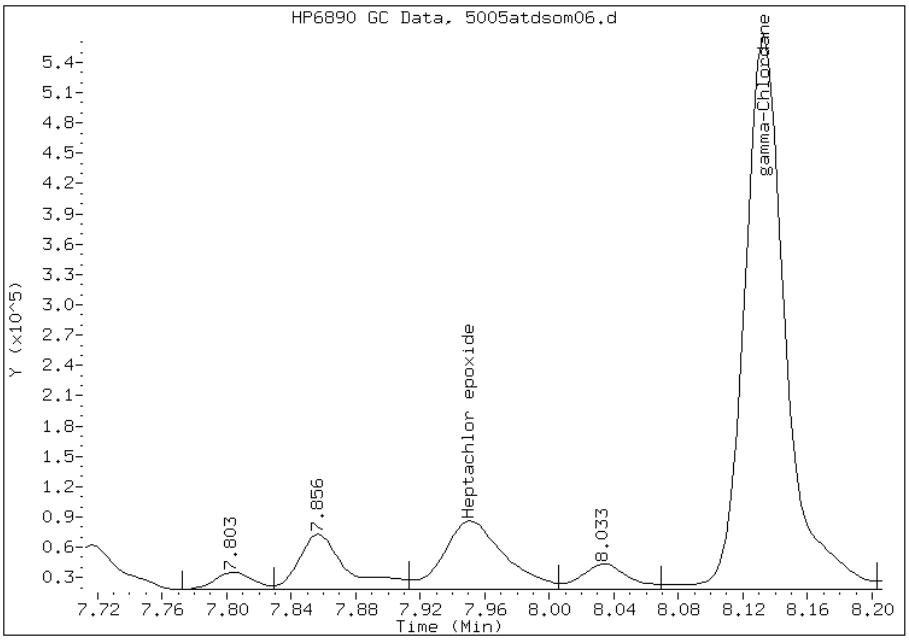
Manual Integration Results

RT: 7.95

Response: 67733

Amount: 0.005033

Conc: 0.005033



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 08/29/2013

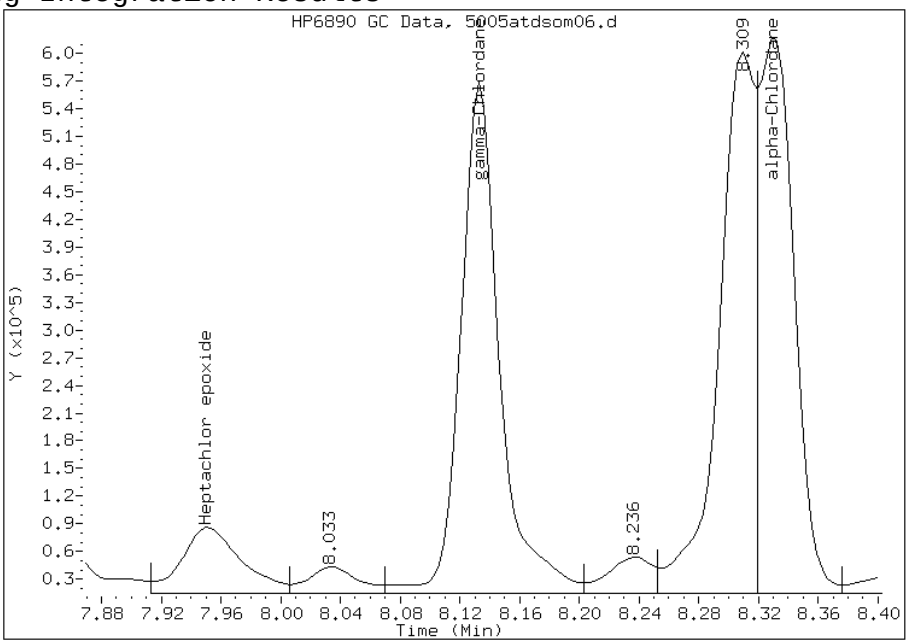
Processing Integration Results

RT: 8.13

Response: 553919

Amount: 0.039626

Conc: 0.039630



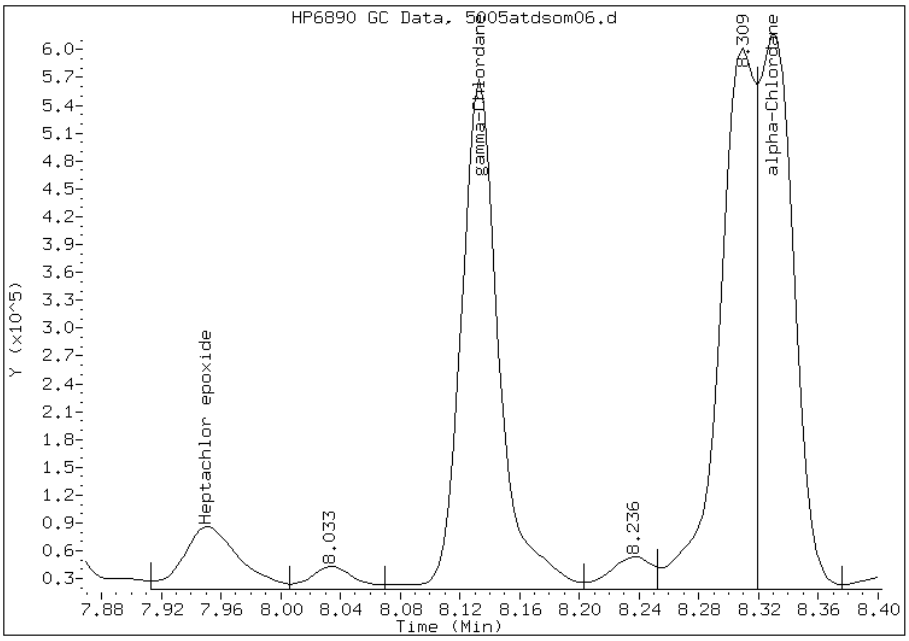
Manual Integration Results

RT: 8.13

Response: 549916

Amount: 0.039340

Conc: 0.039340



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 10 alpha-Chlordane
CAS #: 5103-71-9
Report Date: 08/29/2013

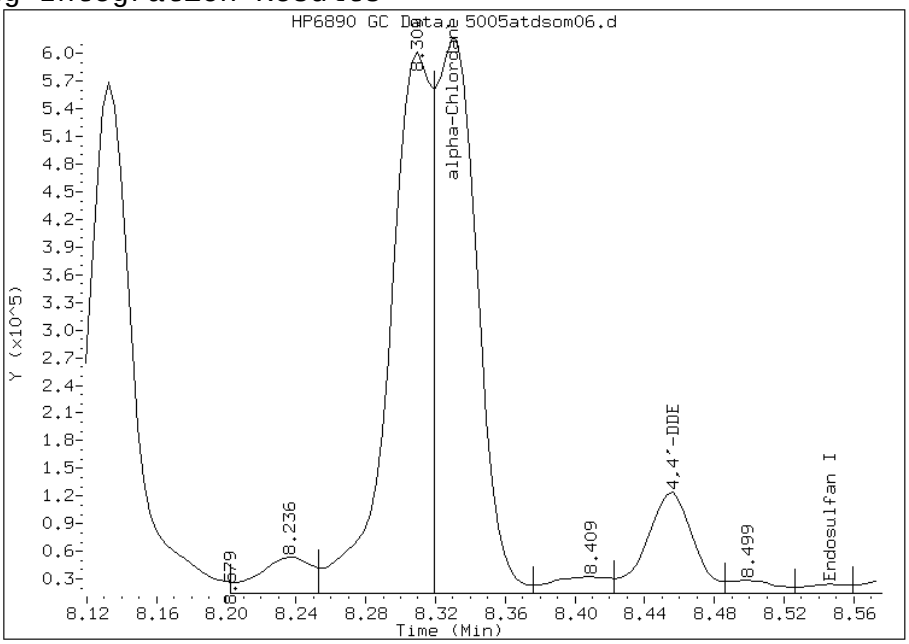
Processing Integration Results

RT: 8.33

Response: 602829

Amount: 0.045105

Conc: 0.045110



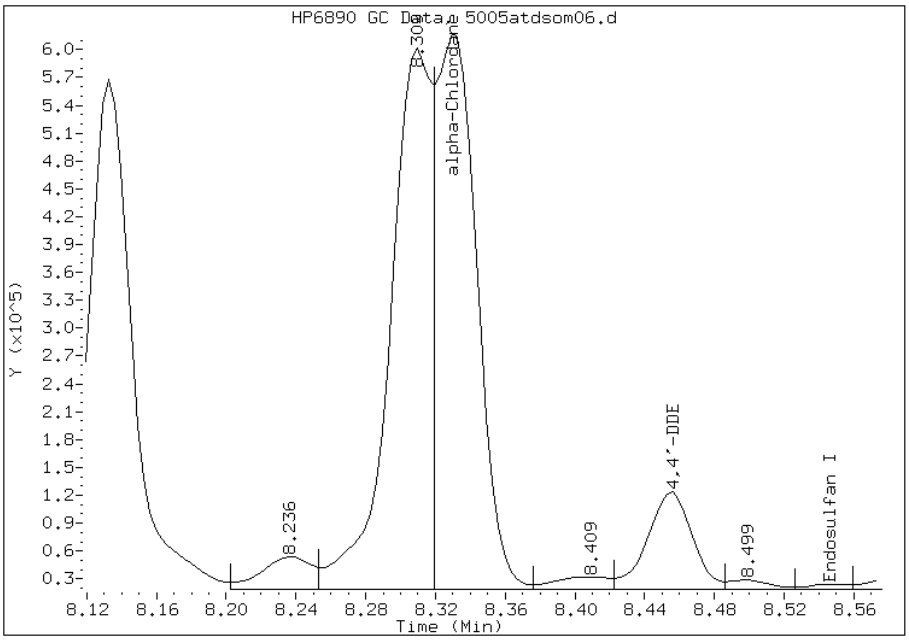
Manual Integration Results

RT: 8.33

Response: 598545

Amount: 0.044785

Conc: 0.044780



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 11 4,4'-DDE
CAS #: 72-55-9
Report Date: 08/29/2013

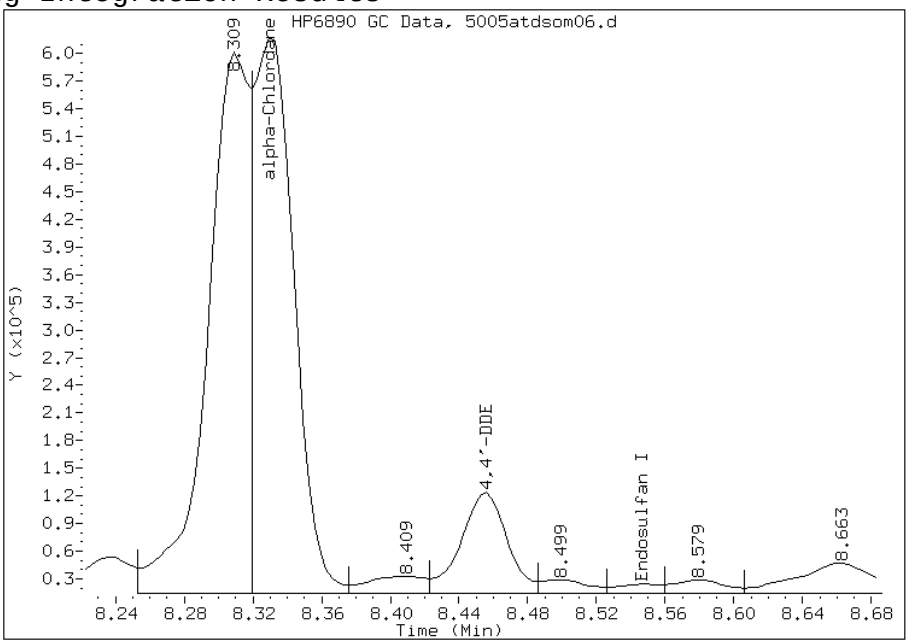
Processing Integration Results

RT: 8.46

Response: 109310

Amount: 0.007670

Conc: 0.007670



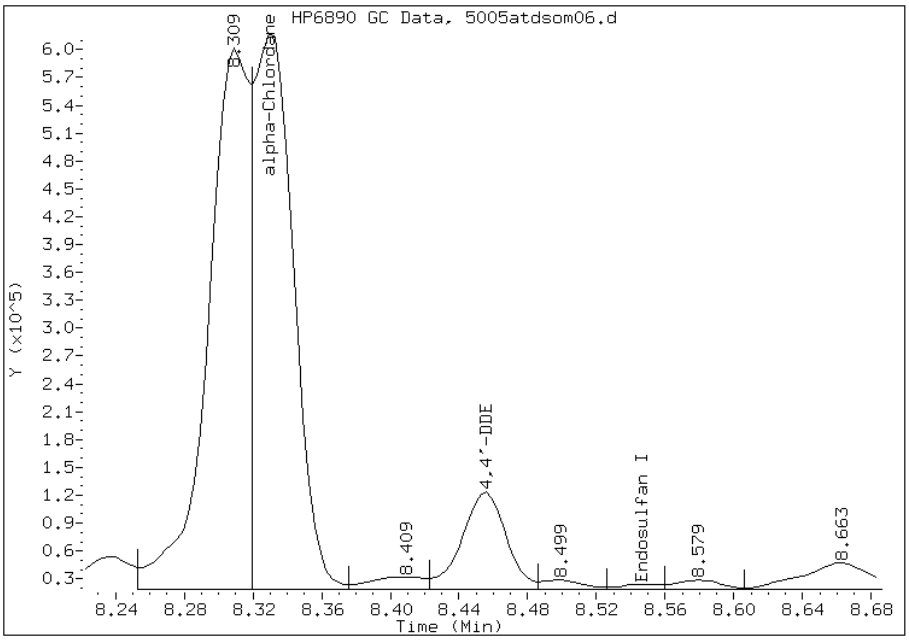
Manual Integration Results

RT: 8.46

Response: 104931

Amount: 0.007363

Conc: 0.007363



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 12 Endosulfan I
CAS #: 959-98-8
Report Date: 08/29/2013

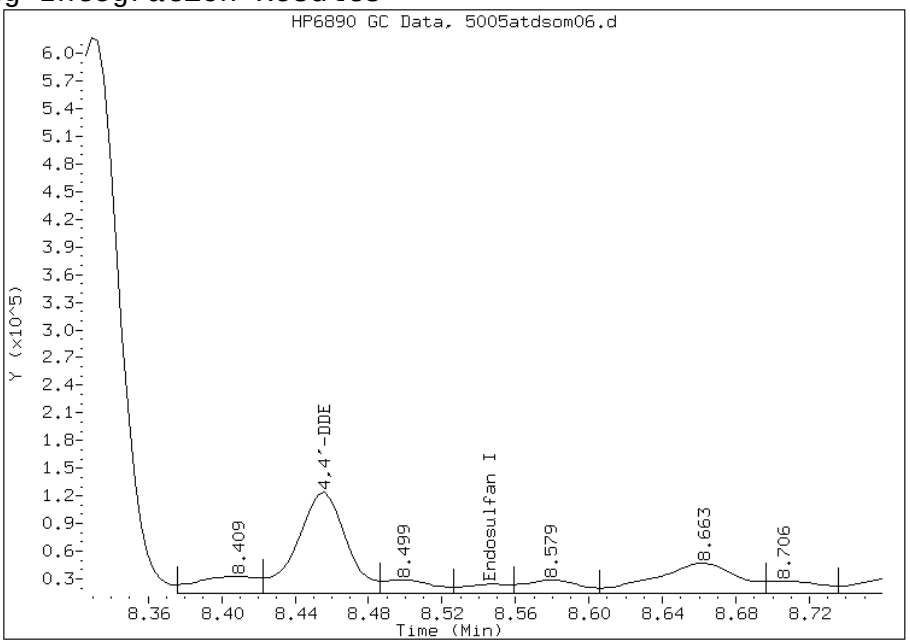
Processing Integration Results

RT: 8.55

Response: 9971

Amount: 0.000839

Conc: 0.000839



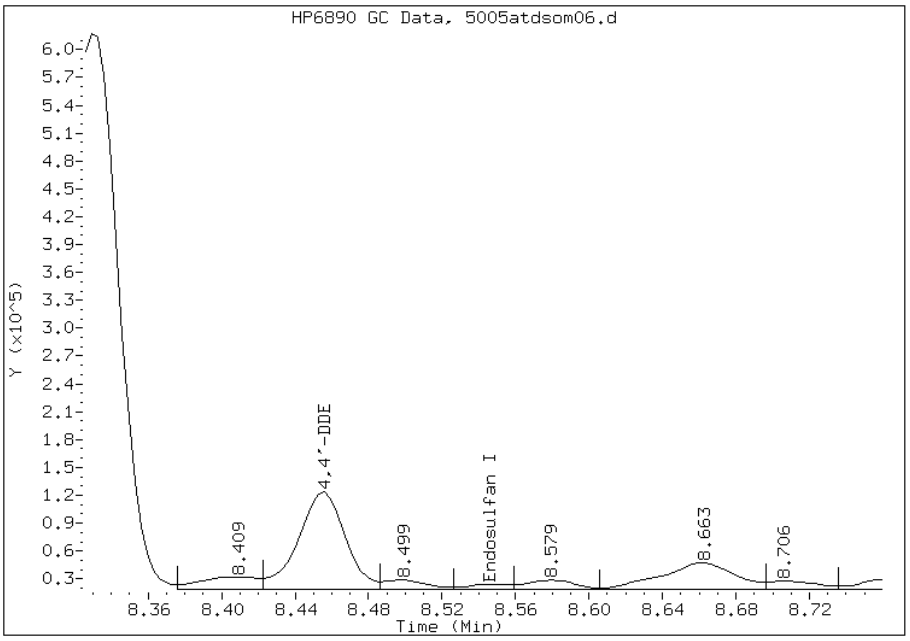
Manual Integration Results

RT: 8.55

Response: 5524

Amount: 0.000465

Conc: 0.000465



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 13 Dieldrin
CAS #: 60-57-1
Report Date: 08/29/2013

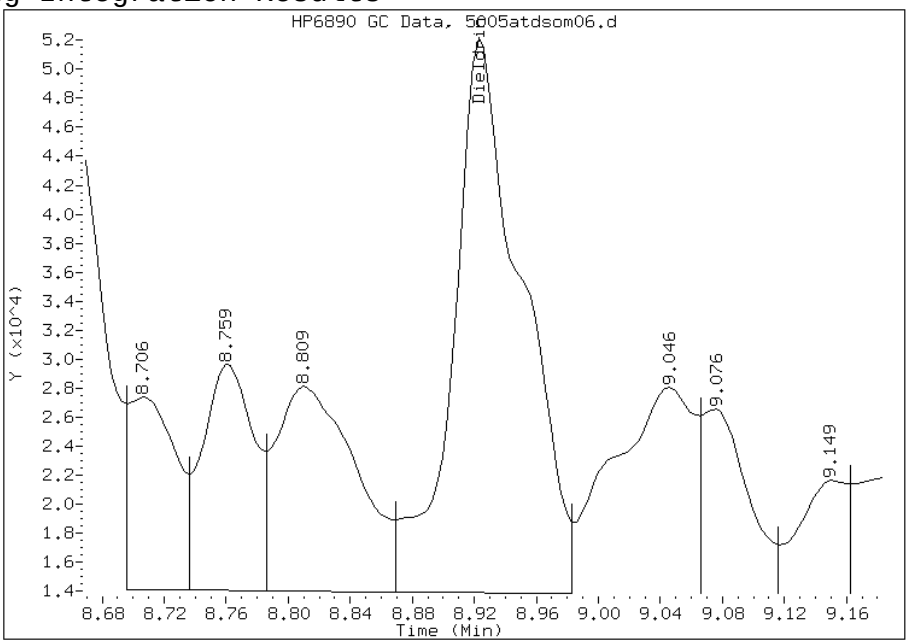
Processing Integration Results

RT: 8.92

Response: 38250

Amount: 0.002992

Conc: 0.002992



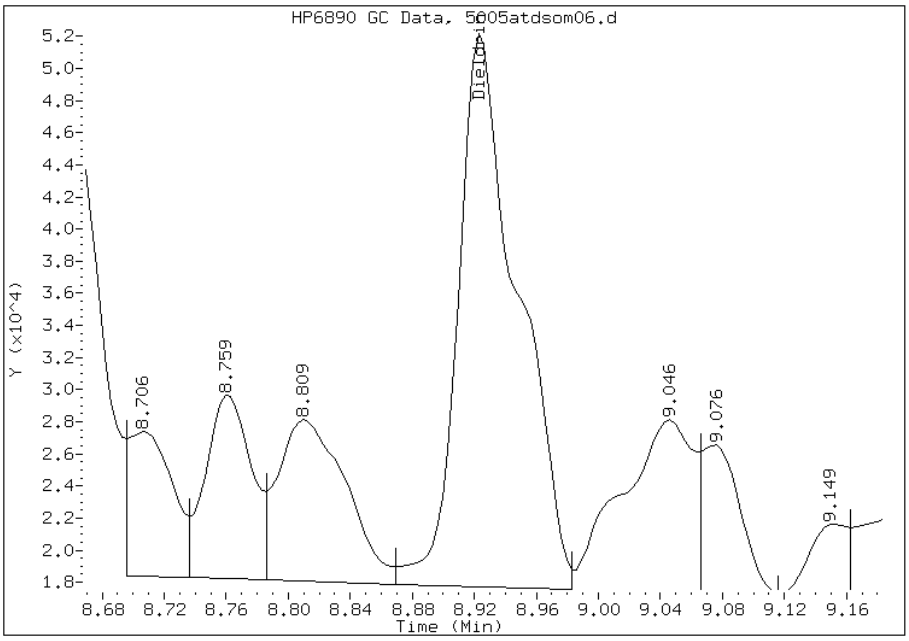
Manual Integration Results

RT: 8.92

Response: 34445

Amount: 0.002694

Conc: 0.002694



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 15 4,4'-DDD
CAS #: 72-54-8
Report Date: 08/29/2013

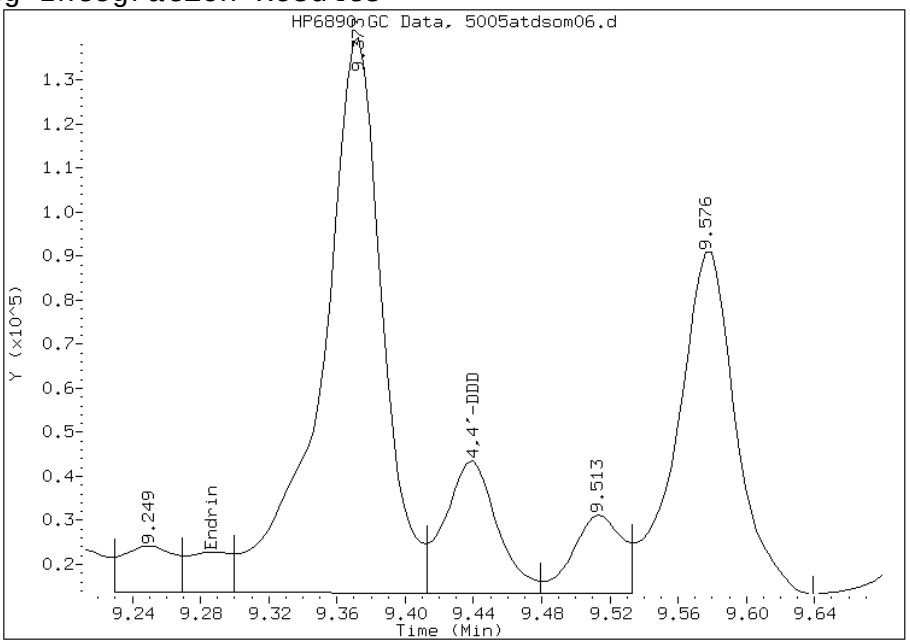
Processing Integration Results

RT: 9.44

Response: 30216

Amount: 0.003213

Conc: 0.003213



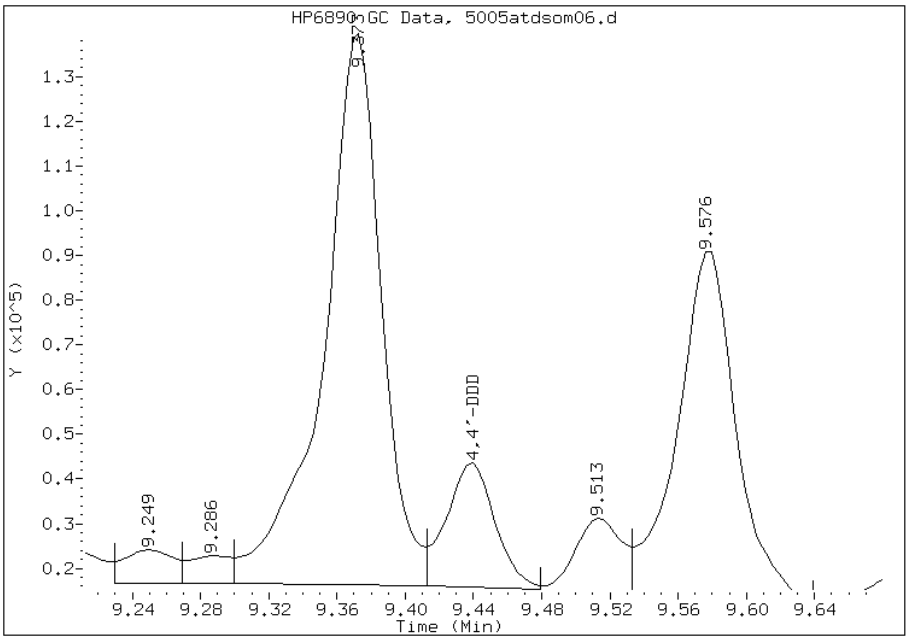
Manual Integration Results

RT: 9.44

Response: 27805

Amount: 0.002957

Conc: 0.002957



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 16 Endosulfan II
CAS #: 33213-65-9
Report Date: 08/29/2013

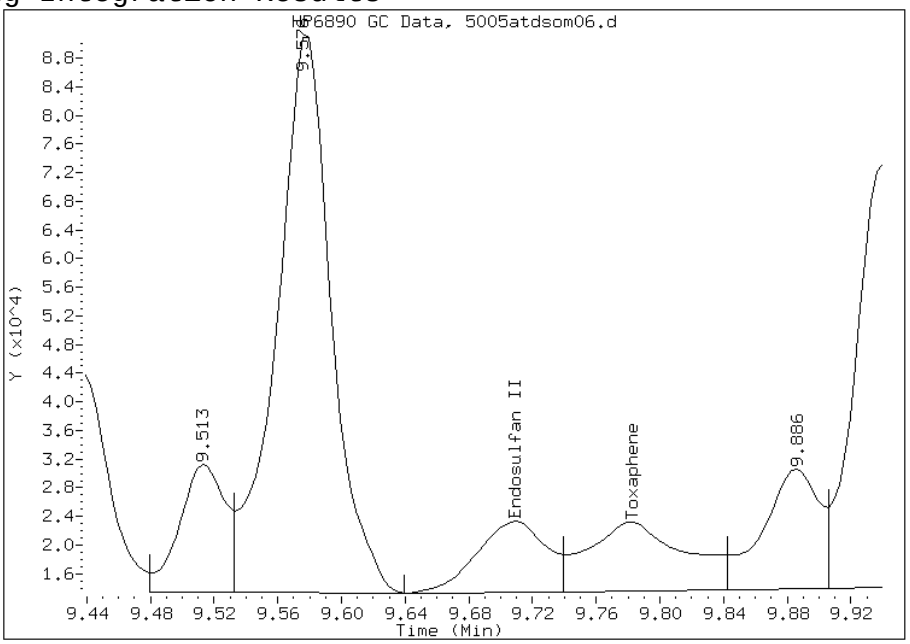
Processing Integration Results

RT: 9.71

Response: 9926

Amount: 0.001024

Conc: 0.001024



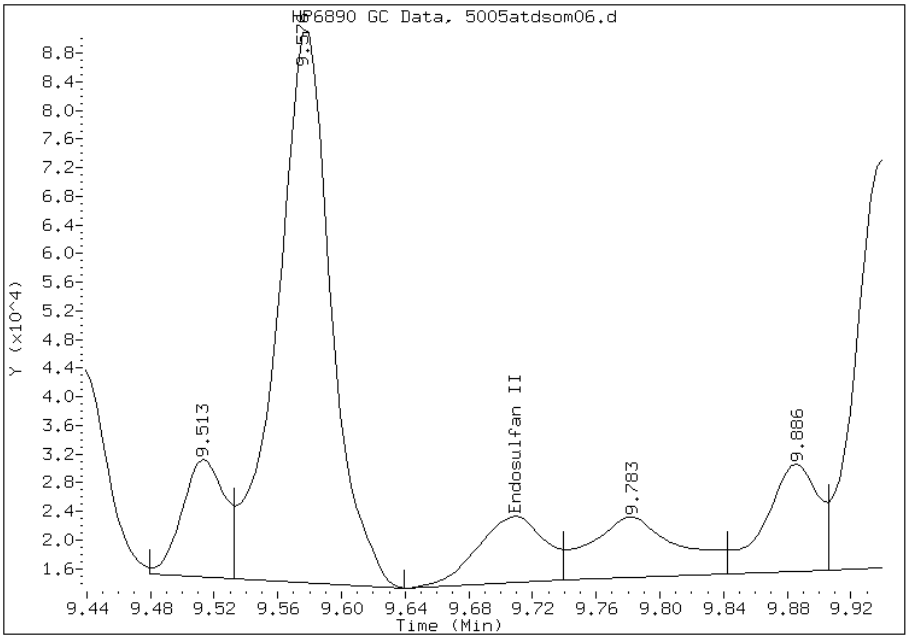
Manual Integration Results

RT: 9.71

Response: 9325

Amount: 0.000962

Conc: 0.000962



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 17 4,4'-DDT
CAS #: 50-29-3
Report Date: 08/29/2013

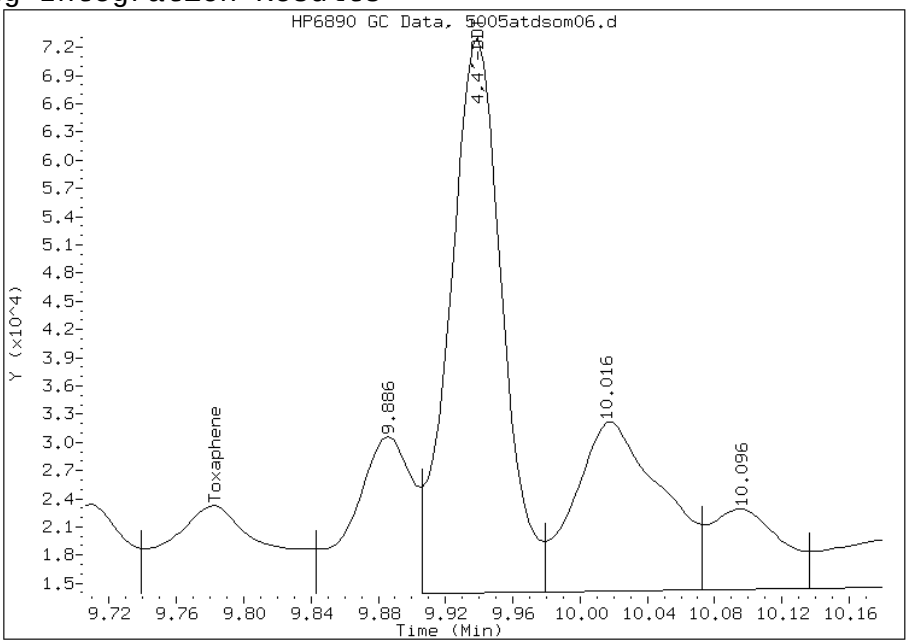
Processing Integration Results

RT: 9.94

Response: 59040

Amount: 0.006866

Conc: 0.006866



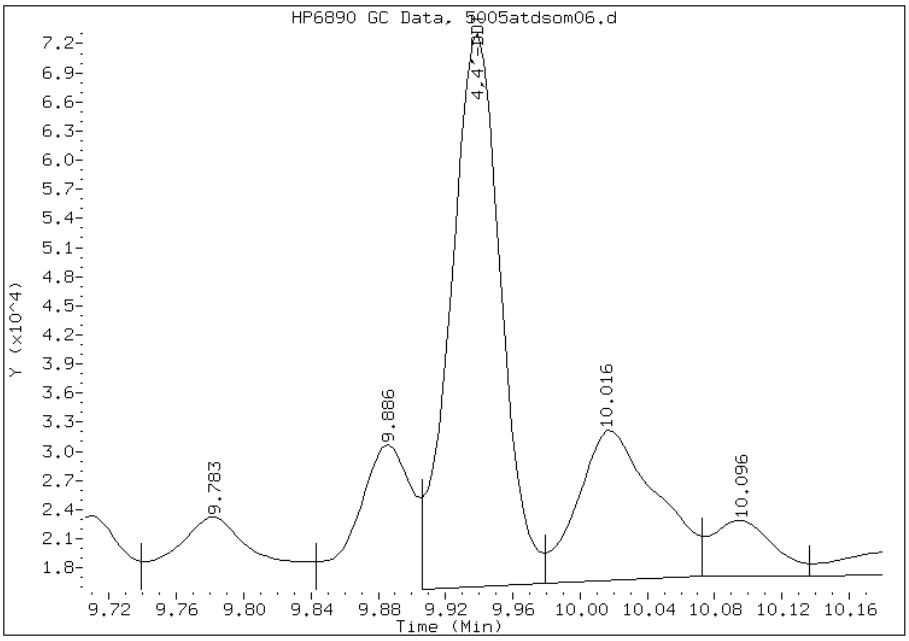
Manual Integration Results

RT: 9.94

Response: 57001

Amount: 0.006629

Conc: 0.006629



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 08/29/2013

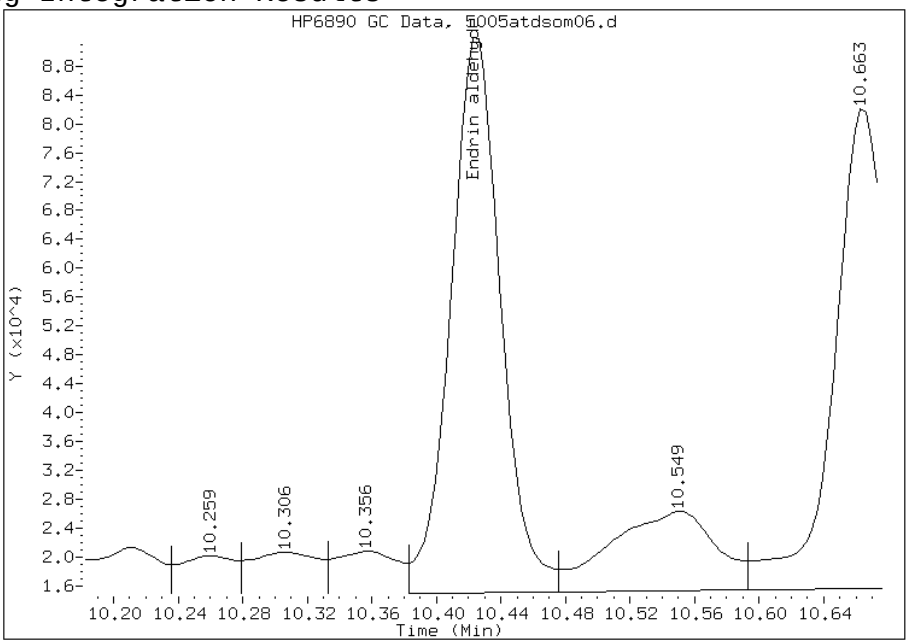
Processing Integration Results

RT: 10.42

Response: 76869

Amount: 0.009871

Conc: 0.009871



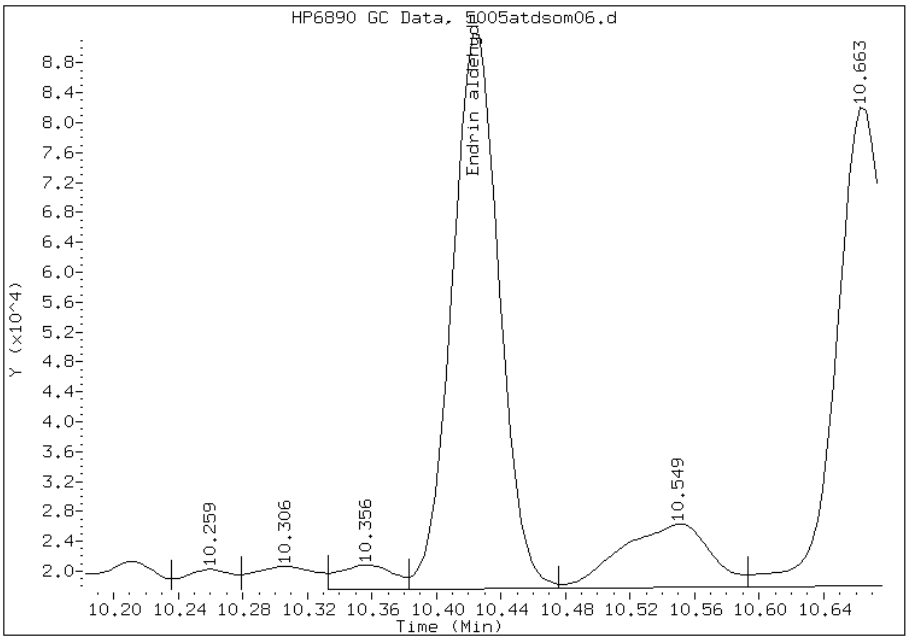
Manual Integration Results

RT: 10.42

Response: 74322

Amount: 0.009544

Conc: 0.009544



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 20 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 08/29/2013

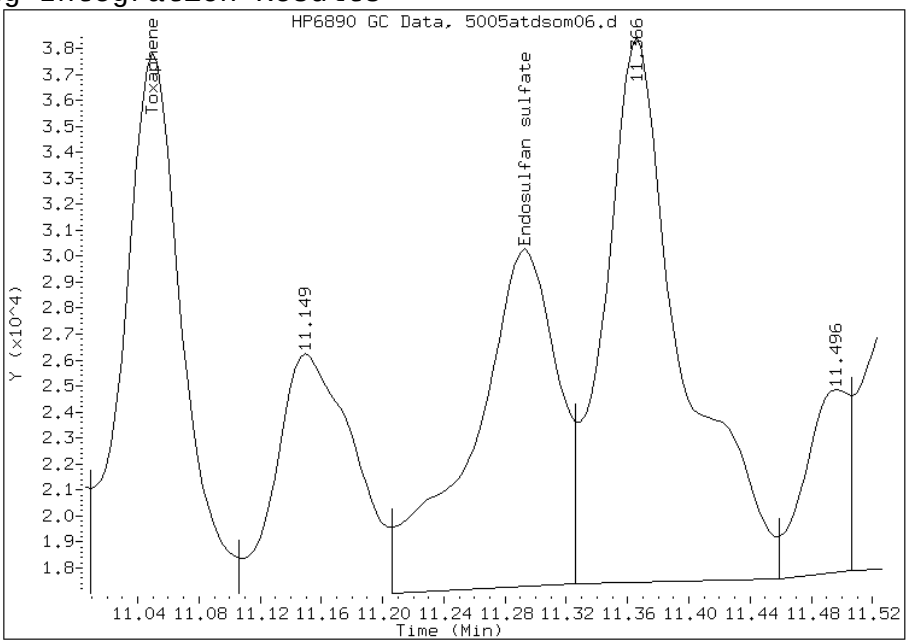
Processing Integration Results

RT: 11.29

Response: 12980

Amount: 0.001515

Conc: 0.001515



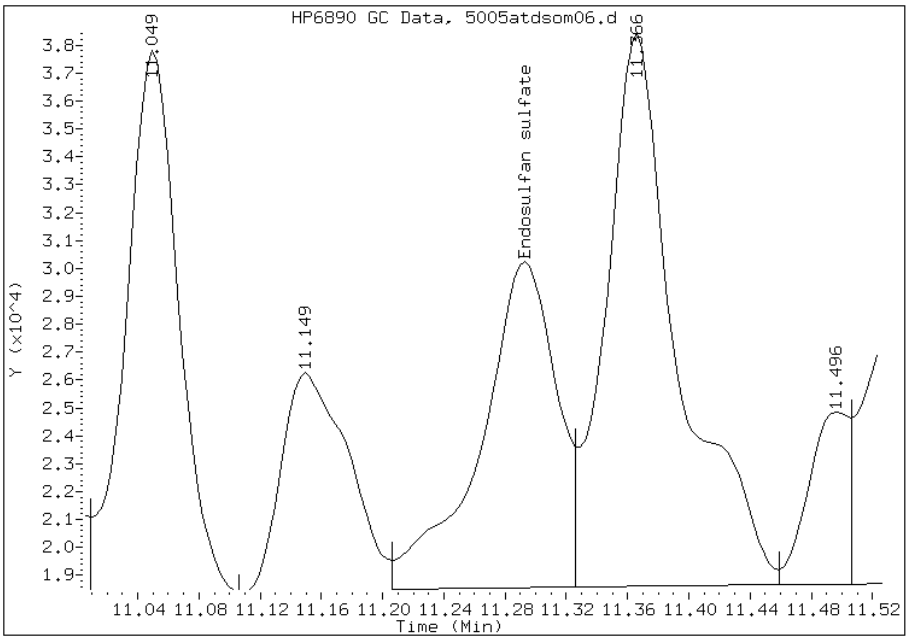
Manual Integration Results

RT: 11.29

Response: 11720

Amount: 0.001368

Conc: 0.001368



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_1.i
Client ID: TS003 (072413)
Compound: 21 Endrin ketone
CAS #: 53494-70-5
Report Date: 08/29/2013

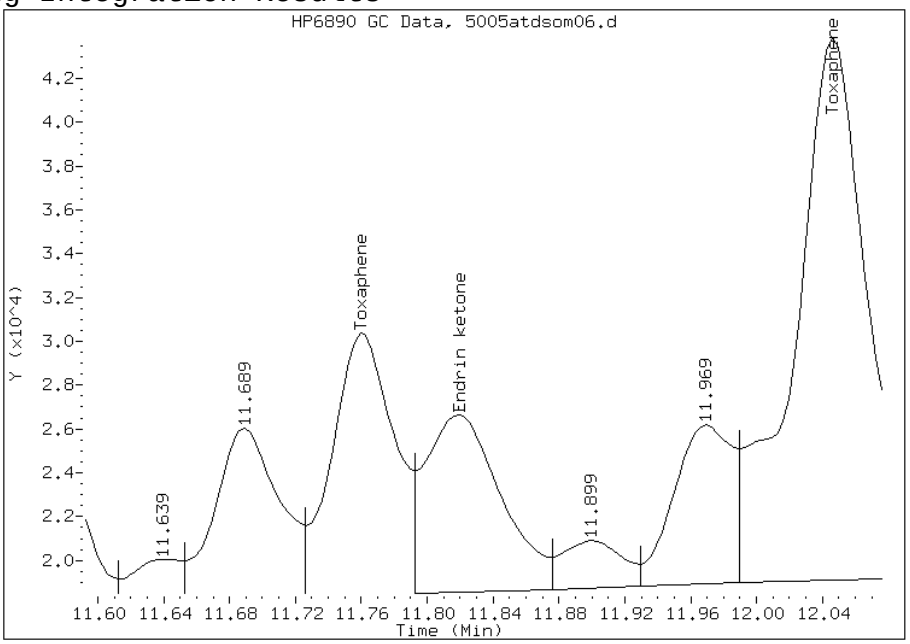
Processing Integration Results

RT: 11.82

Response: 8106

Amount: 0.000820

Conc: 0.000820



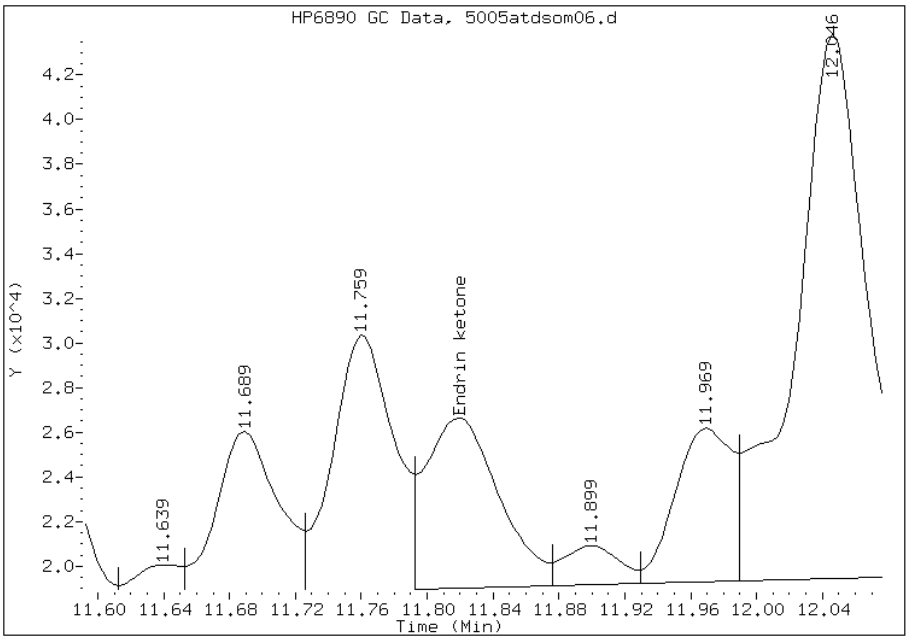
Manual Integration Results

RT: 11.82

Response: 7639

Amount: 0.000773

Conc: 0.000773



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom06.d

Page 1

Date : 28-AUG-2013 10:25

Client ID: TS003 (072413)

Instrument: 5005_2.i

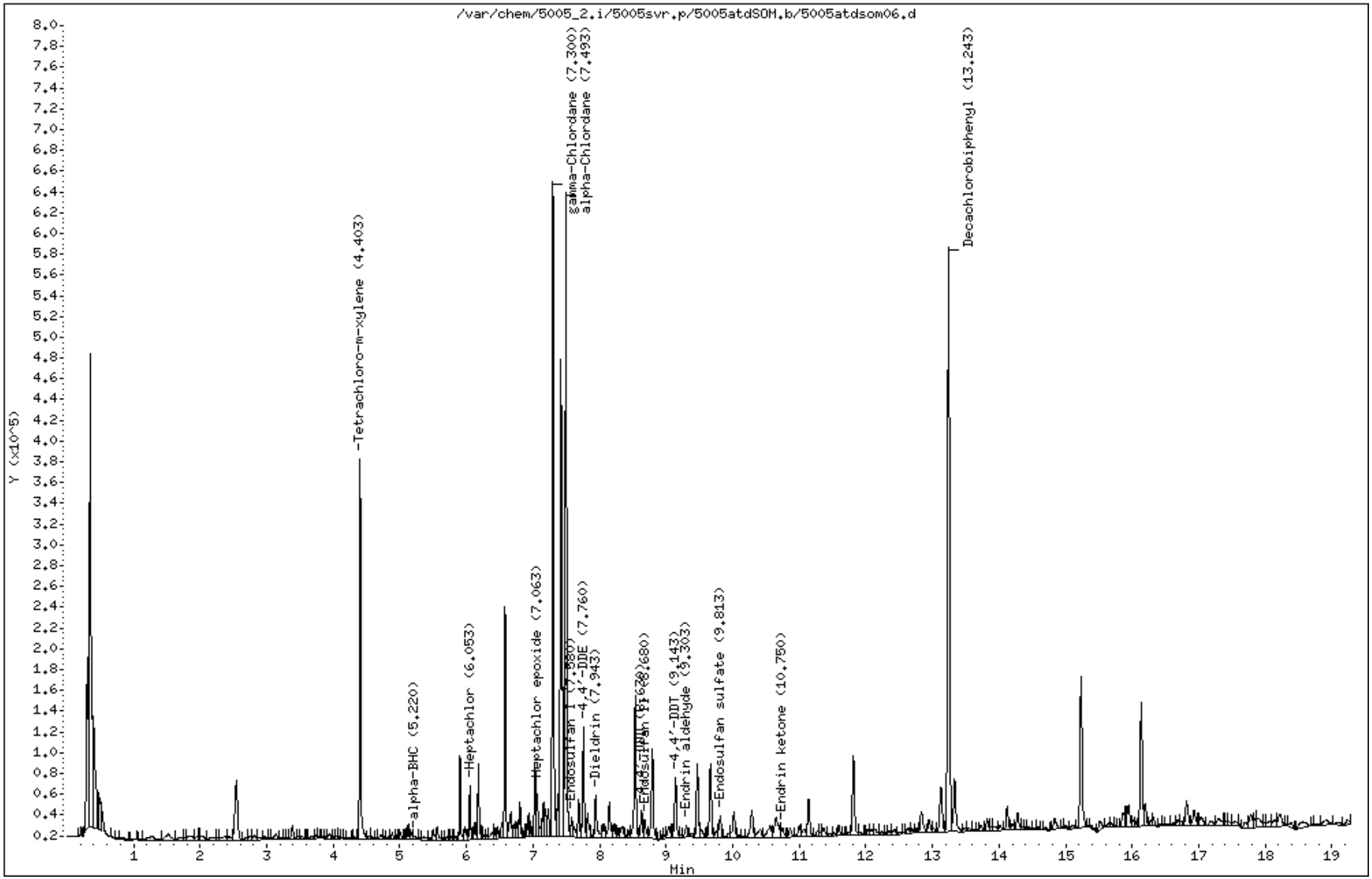
Sample Info: 200-17642-F-2-I

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLPII

Column diameter: 0.32



TestAmerica Burlington

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 28-AUG-2013 10:25
Operator : RRM Inst ID: 5005_2.i
Smp Info : 200-17642-F-2-I
Misc Info : 200-17642-F-2-I
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.403	4.402	0.001	366094	0.03027	0.03027	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.220	5.200	0.020	3297	0.00014	0.0001398	80.00- 120.00	100.00(a)
6 Heptachlor						CAS #: 76-44-8	
6.053	6.050	0.003	51606	0.00265	0.002649	80.00- 120.00	100.00(a)
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.063	7.061	0.002	41576	0.00277	0.002766	80.00- 120.00	100.00(a)
9 gamma-Chlordane						CAS #: 5103-74-2	
7.300	7.300	0.000	629908	0.04139	0.04139	80.00- 120.00	100.00(M)
10 alpha-Chlordane						CAS #: 5103-71-9	
7.493	7.491	0.002	620594	0.04286	0.04286	80.00- 120.00	100.00(M)
11 4,4'-DDE						CAS #: 72-55-9	
7.760	7.759	0.001	105947	0.00691	0.006907	80.00- 120.00	100.00(aM)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
12 Endosulfan I						CAS #: 959-98-8	
7.580	7.559	0.021	19026	0.00145	0.001451	80.00- 120.00	100.00(aM)
13 Dieldrin						CAS #: 60-57-1	
7.943	7.940	0.003	40644	0.00291	0.002908	80.00- 120.00	100.00(aM)
15 4,4'-DDD						CAS #: 72-54-8	
8.630	8.630	0.000	25916	0.00252	0.002522	80.00- 120.00	100.00(aM)
16 Endosulfan II						CAS #: 33213-65-9	
8.680	8.730	-0.050	17327	0.00162	0.001621	80.00- 120.00	100.00(aM)
17 4,4'-DDT						CAS #: 50-29-3	
9.143	9.141	0.002	58440	0.00627	0.006269	80.00- 120.00	100.00(aM)
18 Endrin aldehyde						CAS #: 7421-93-4	
9.303	9.311	-0.008	10945	0.00129	0.001291	80.00- 120.00	100.00(aM)
20 Endosulfan sulfate						CAS #: 1031-07-8	
9.813	9.810	0.003	20069	0.00224	0.002244	80.00- 120.00	100.00(aM)
21 Endrin ketone						CAS #: 53494-70-5	
10.750	10.785	-0.035	8955	0.000886	0.0008857	80.00- 120.00	100.00(aM)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.243	13.241	0.002	563409	0.06990	0.06990	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 08/29/2013

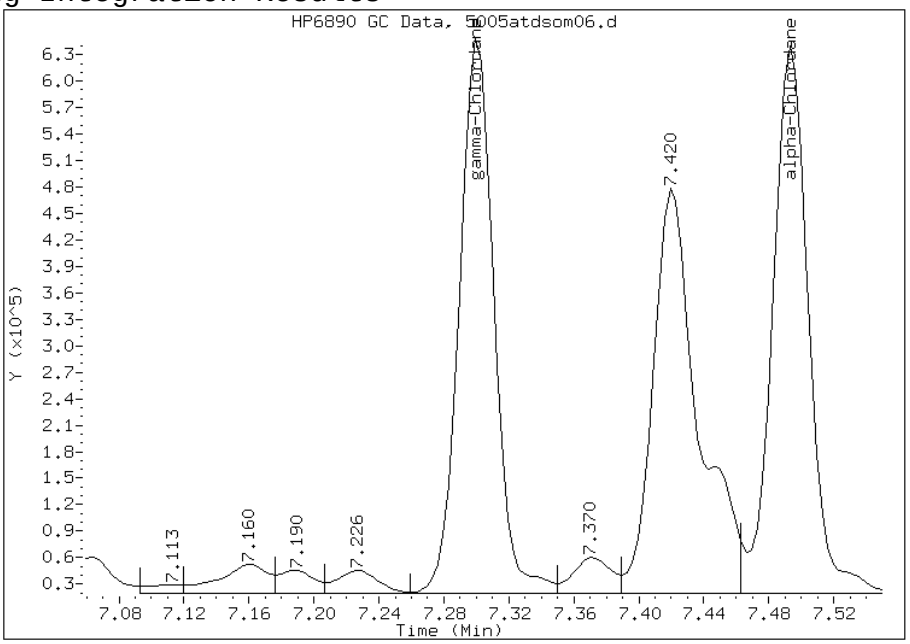
Processing Integration Results

RT: 7.30

Response: 629937

Amount: 0.041388

Conc: 0.041390



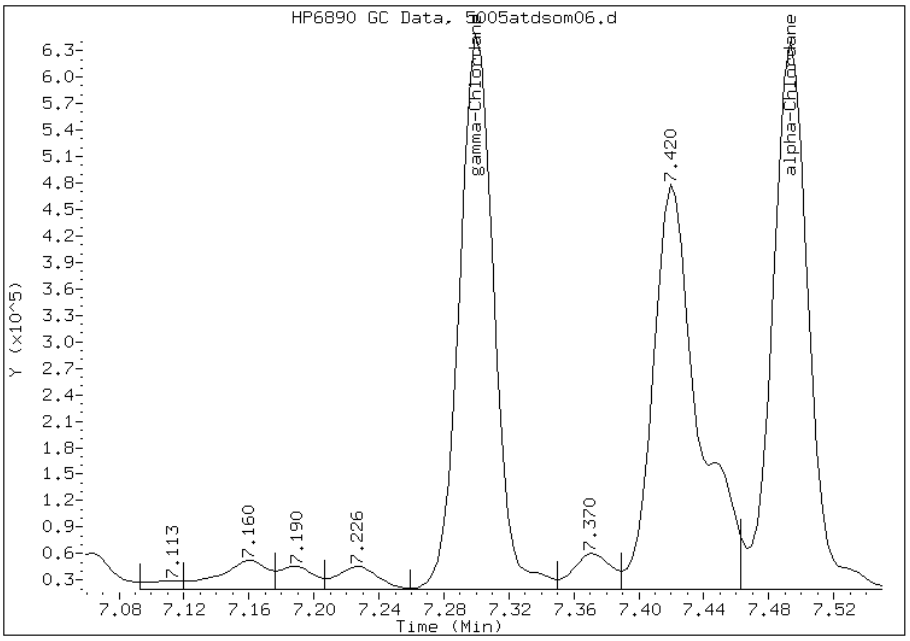
Manual Integration Results

RT: 7.30

Response: 629908

Amount: 0.041386

Conc: 0.041390



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 10 alpha-Chlordane
CAS #: 5103-71-9
Report Date: 08/29/2013

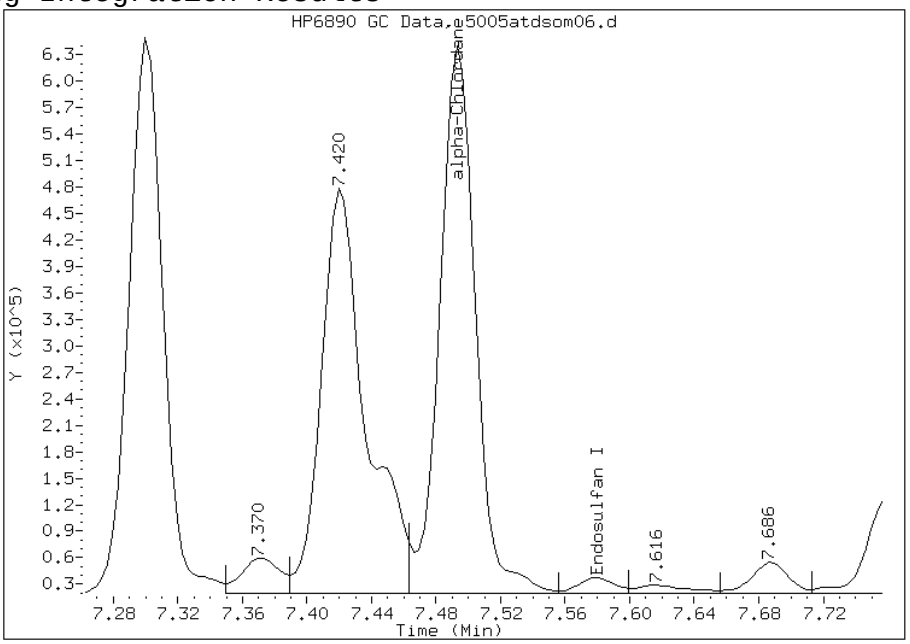
Processing Integration Results

RT: 7.49

Response: 620079

Amount: 0.042824

Conc: 0.042820



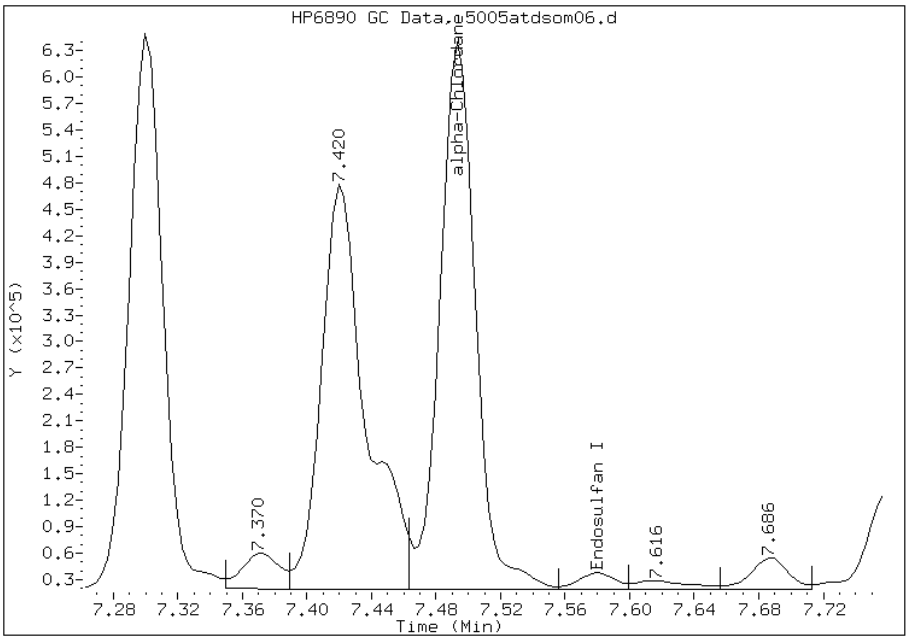
Manual Integration Results

RT: 7.49

Response: 620594

Amount: 0.042860

Conc: 0.042860



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 12 Endosulfan I
CAS #: 959-98-8
Report Date: 08/29/2013

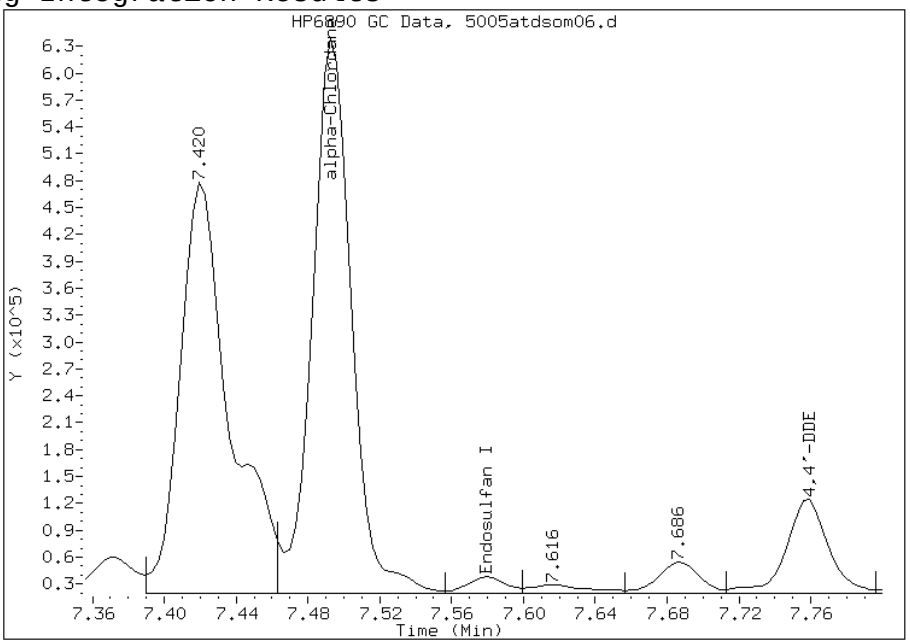
Processing Integration Results

RT: 7.58

Response: 18209

Amount: 0.001389

Conc: 0.001389



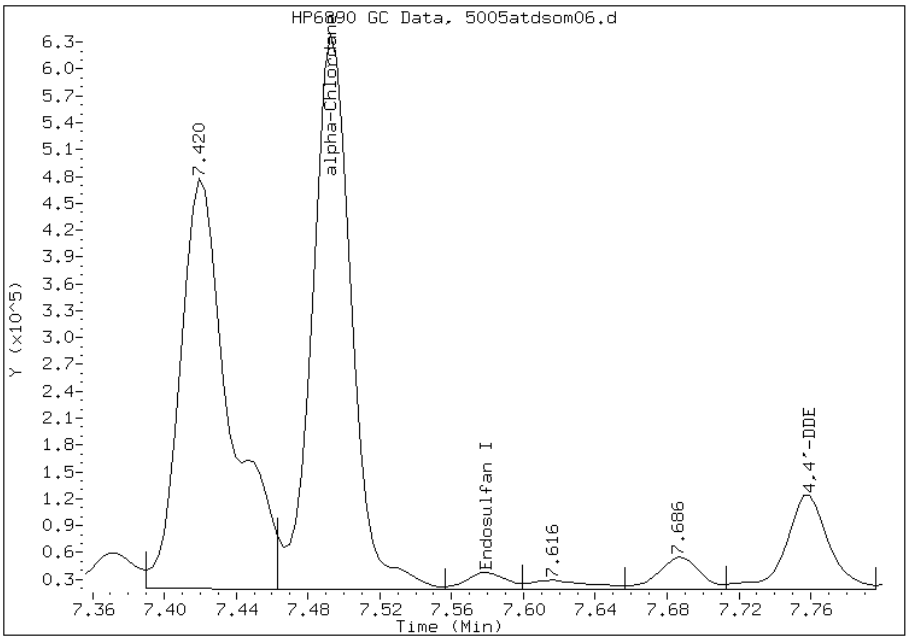
Manual Integration Results

RT: 7.58

Response: 19026

Amount: 0.001451

Conc: 0.001451



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 11 4,4'-DDE
CAS #: 72-55-9
Report Date: 08/29/2013

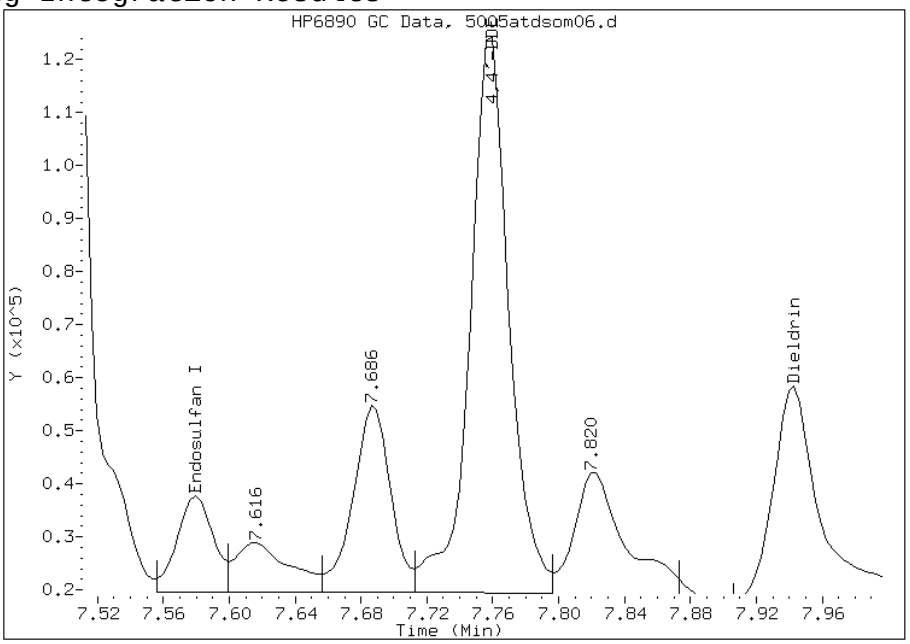
Processing Integration Results

RT: 7.76

Response: 104754

Amount: 0.006829

Conc: 0.006829



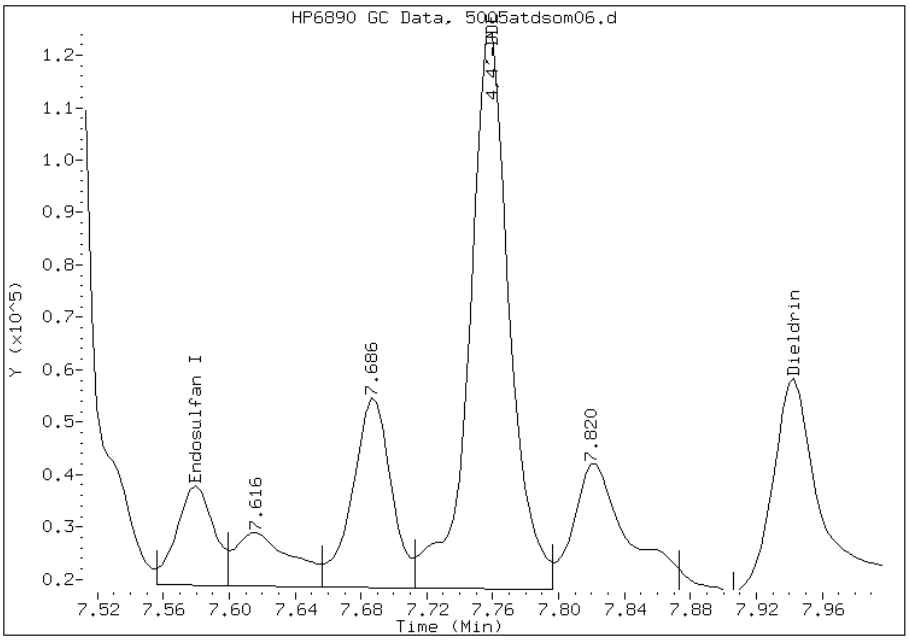
Manual Integration Results

RT: 7.76

Response: 105947

Amount: 0.006907

Conc: 0.006907



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 13 Dieldrin
CAS #: 60-57-1
Report Date: 08/29/2013

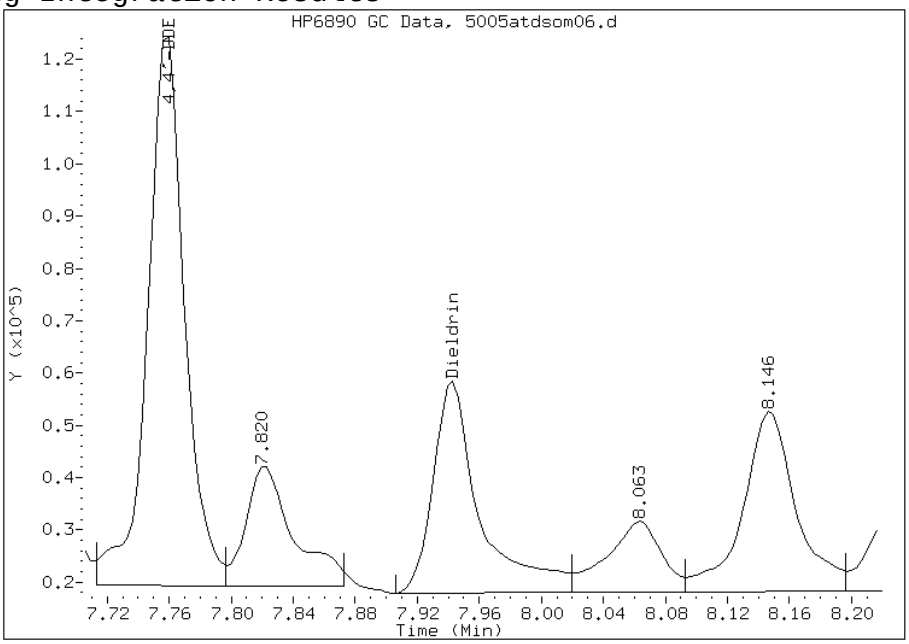
Processing Integration Results

RT: 7.94

Response: 40551

Amount: 0.002901

Conc: 0.002901



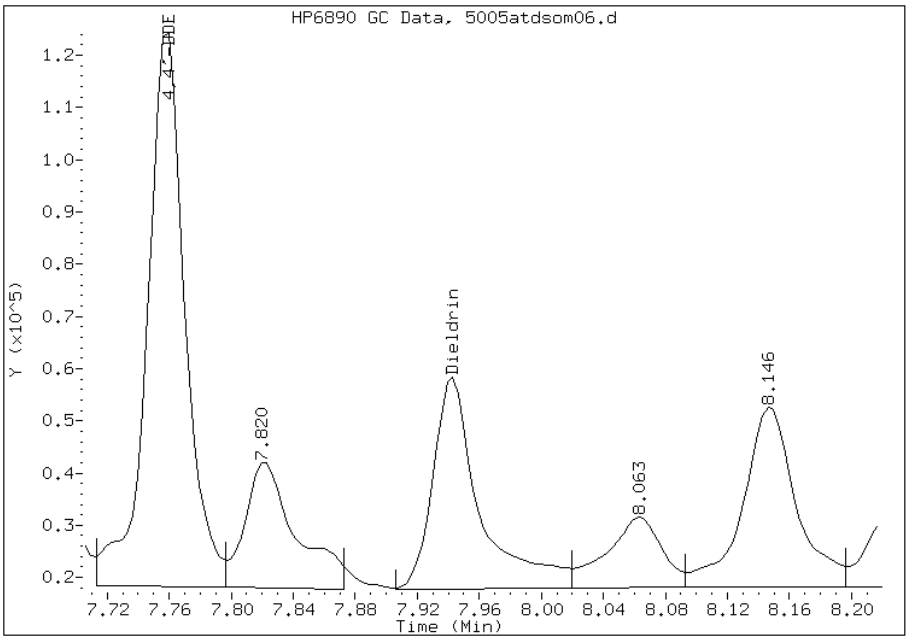
Manual Integration Results

RT: 7.94

Response: 40644

Amount: 0.002908

Conc: 0.002908



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 15 4,4'-DDD
CAS #: 72-54-8
Report Date: 08/29/2013

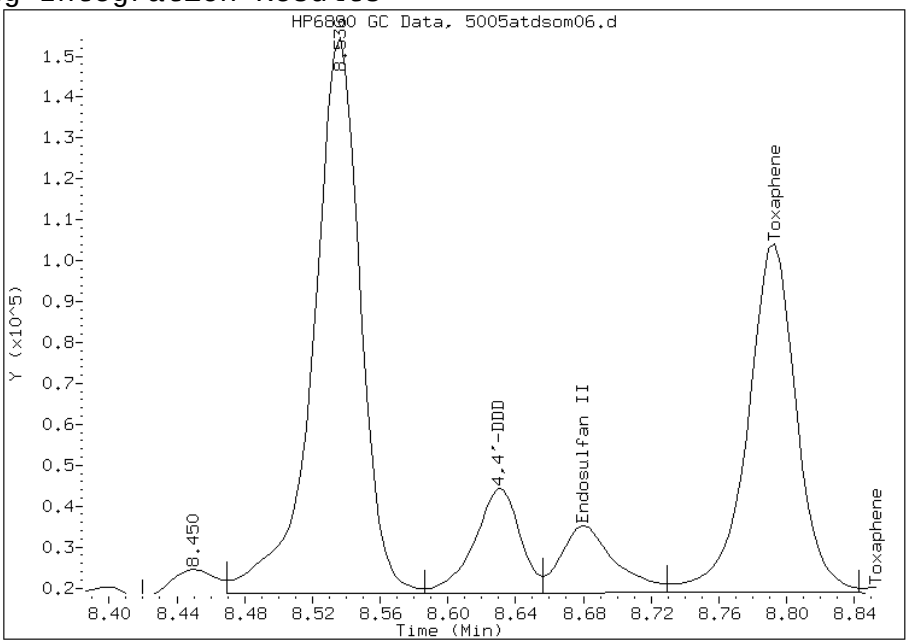
Processing Integration Results

RT: 8.63

Response: 25588

Amount: 0.002490

Conc: 0.002490



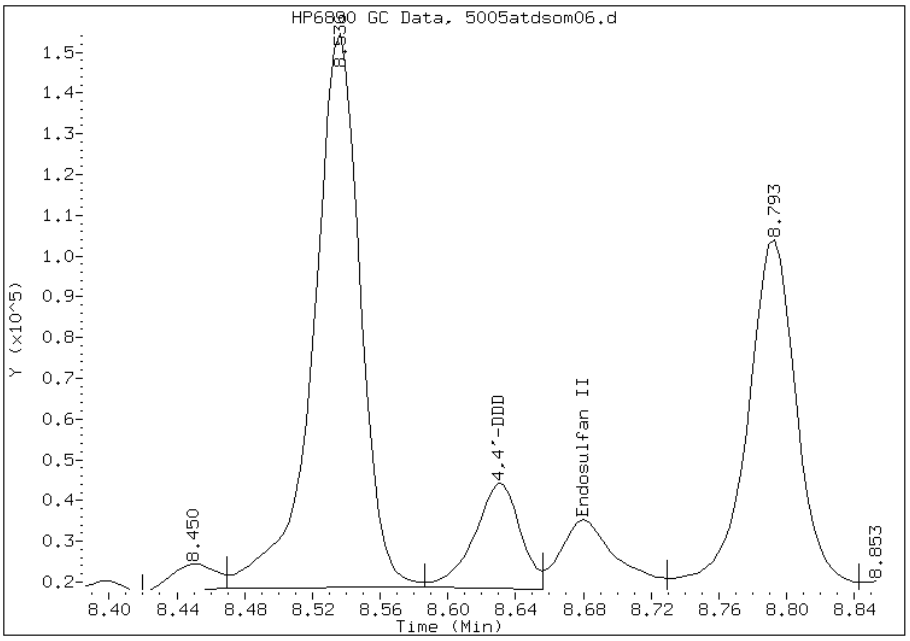
Manual Integration Results

RT: 8.63

Response: 25916

Amount: 0.002522

Conc: 0.002522



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 16 Endosulfan II
CAS #: 33213-65-9
Report Date: 08/29/2013

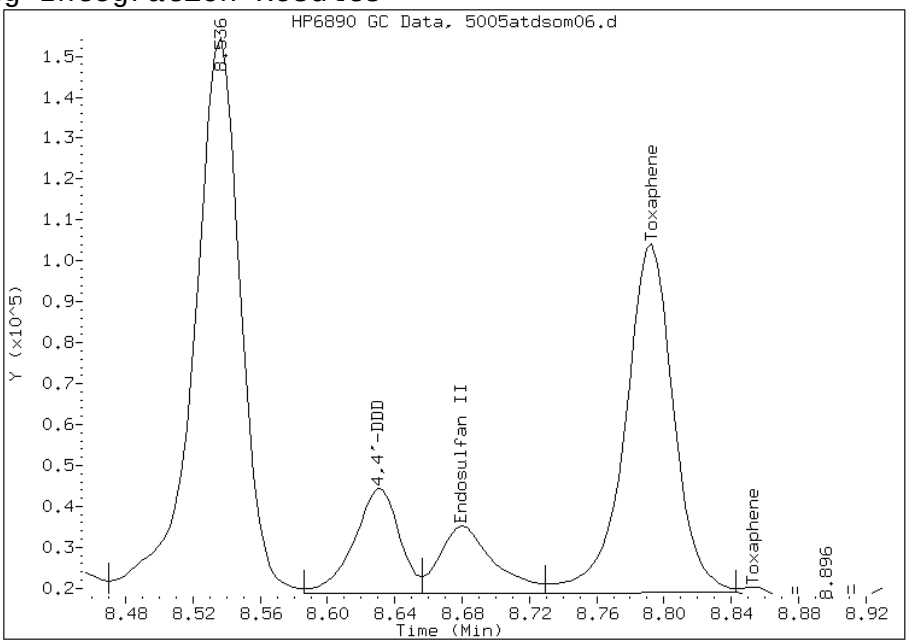
Processing Integration Results

RT: 8.68

Response: 16540

Amount: 0.001547

Conc: 0.001547



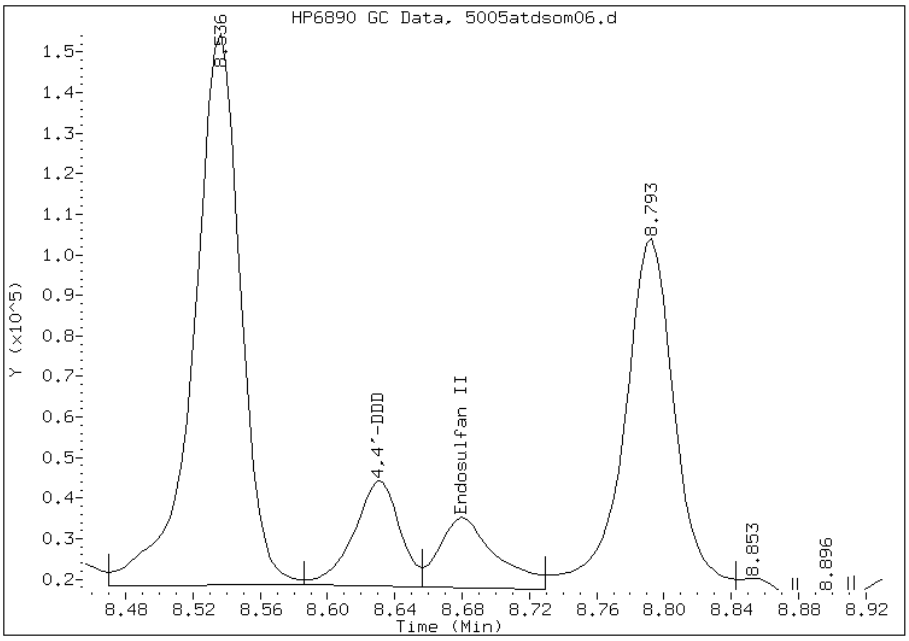
Manual Integration Results

RT: 8.68

Response: 17327

Amount: 0.001621

Conc: 0.001621



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 17 4,4'-DDT
CAS #: 50-29-3
Report Date: 08/29/2013

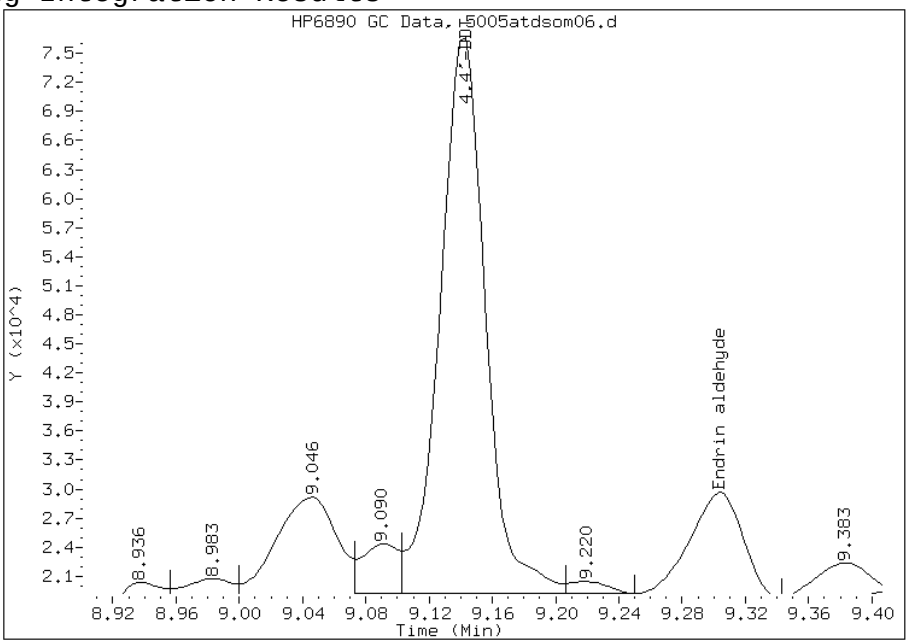
Processing Integration Results

RT: 9.14

Response: 57380

Amount: 0.006155

Conc: 0.006155



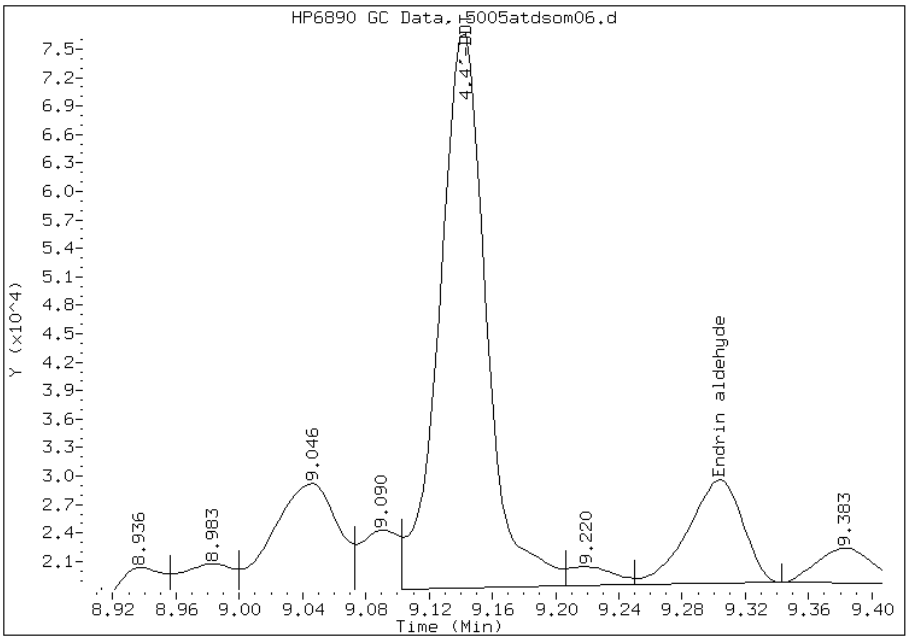
Manual Integration Results

RT: 9.14

Response: 58440

Amount: 0.006269

Conc: 0.006269



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 08/29/2013

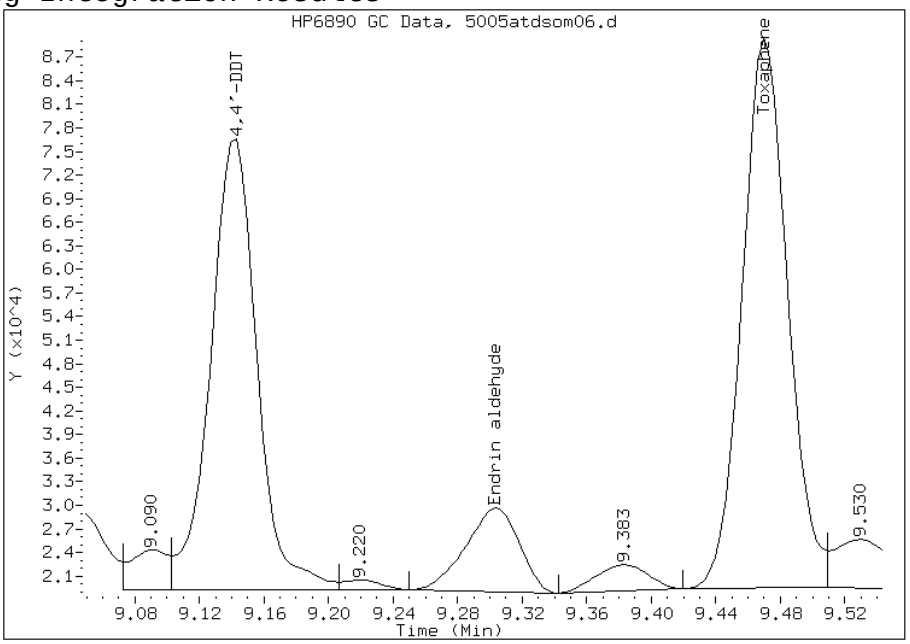
Processing Integration Results

RT: 9.30

Response: 10656

Amount: 0.001257

Conc: 0.001257



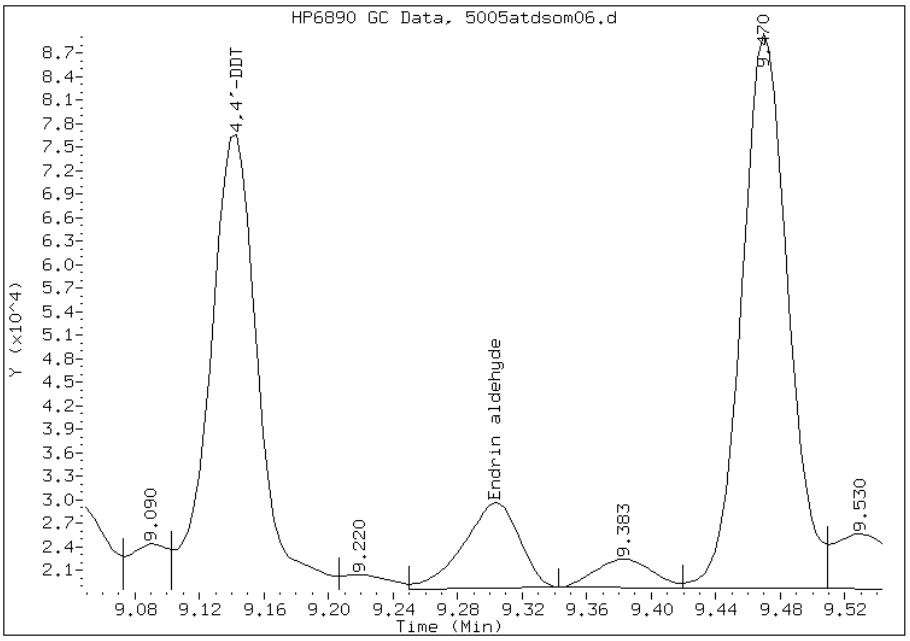
Manual Integration Results

RT: 9.30

Response: 10945

Amount: 0.001291

Conc: 0.001291



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 20 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 08/29/2013

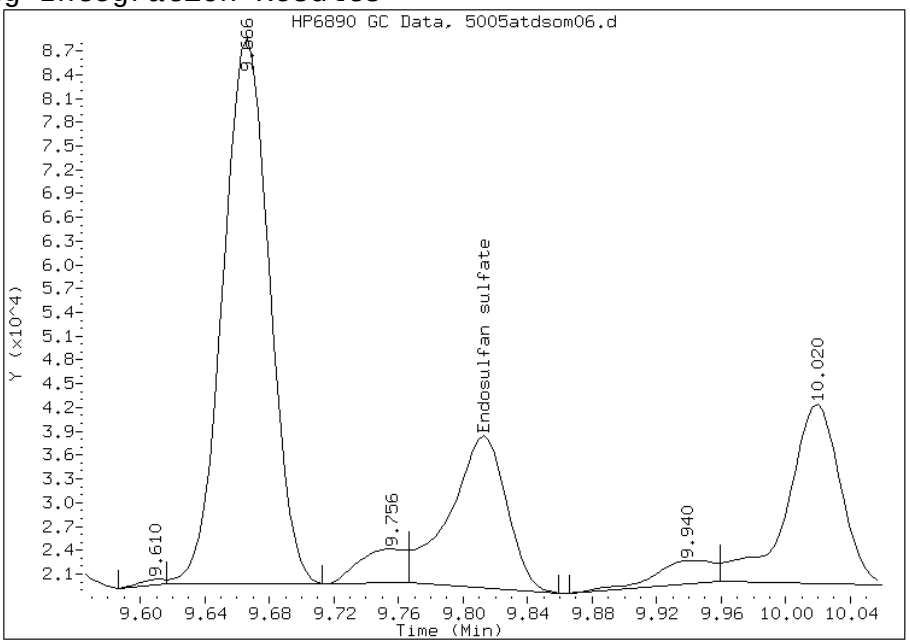
Processing Integration Results

RT: 9.81

Response: 19299

Amount: 0.002158

Conc: 0.002158



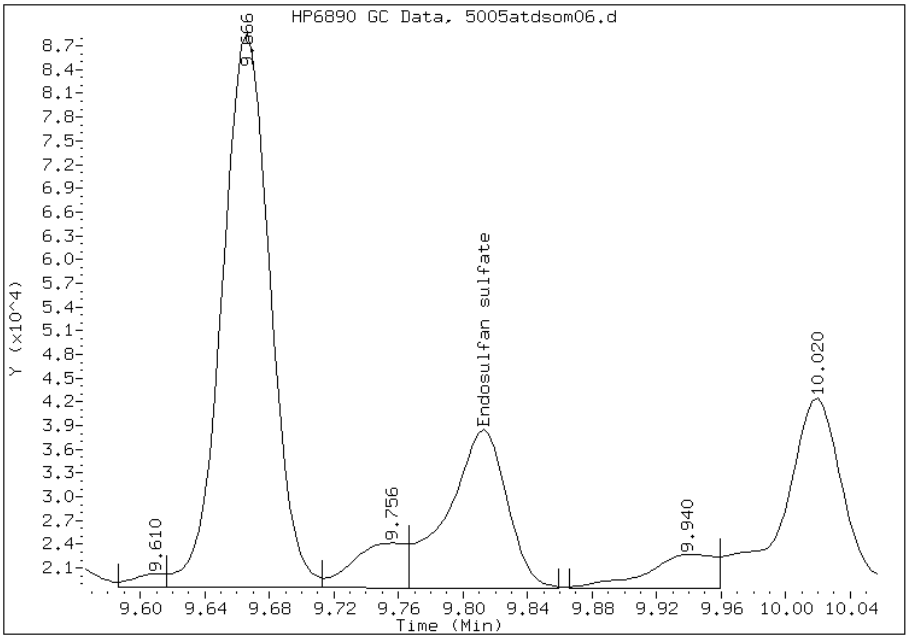
Manual Integration Results

RT: 9.81

Response: 20069

Amount: 0.002244

Conc: 0.002244



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom06.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 28-AUG-2013 10:25
Instrument ID: 5005_2.i
Client ID: TS003 (072413)
Compound: 21 Endrin ketone
CAS #: 53494-70-5
Report Date: 08/29/2013

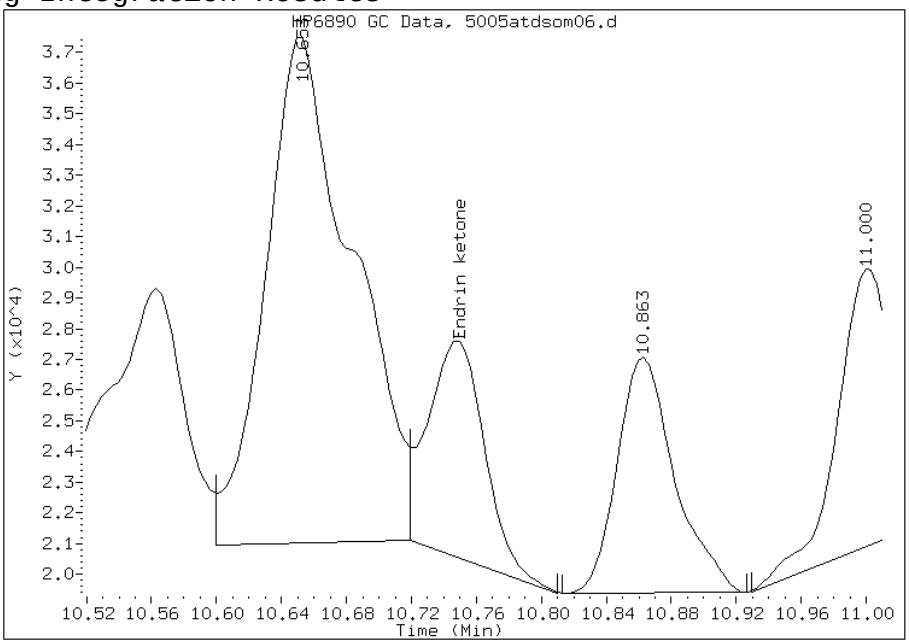
Processing Integration Results

RT: 10.75

Response: 7085

Amount: 0.000701

Conc: 0.000701



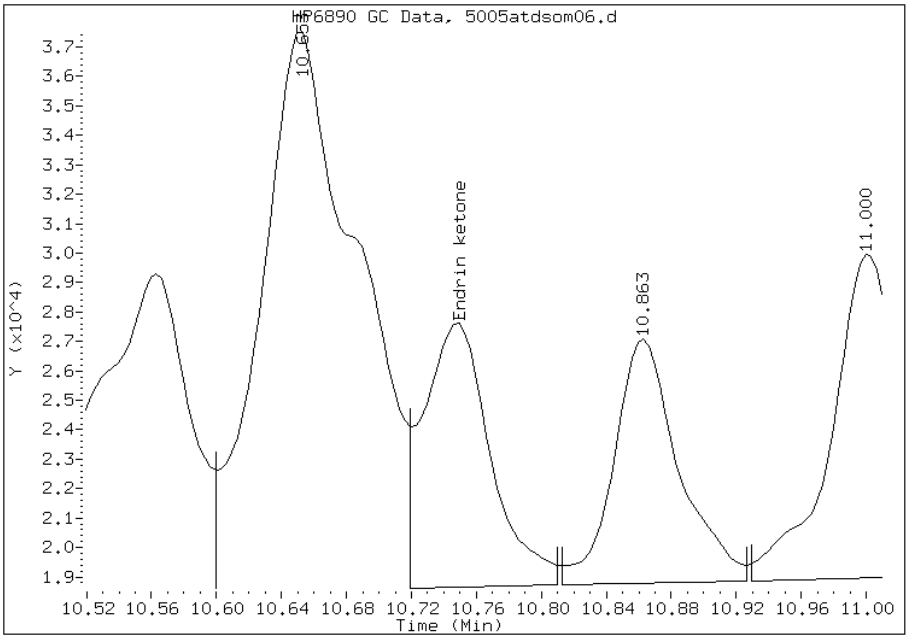
Manual Integration Results

RT: 10.75

Response: 8955

Amount: 0.000886

Conc: 0.000886



File Uploaded By: rrm
Manual Integration Reason: Baseline event

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 5005ATDSOM07.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/2013

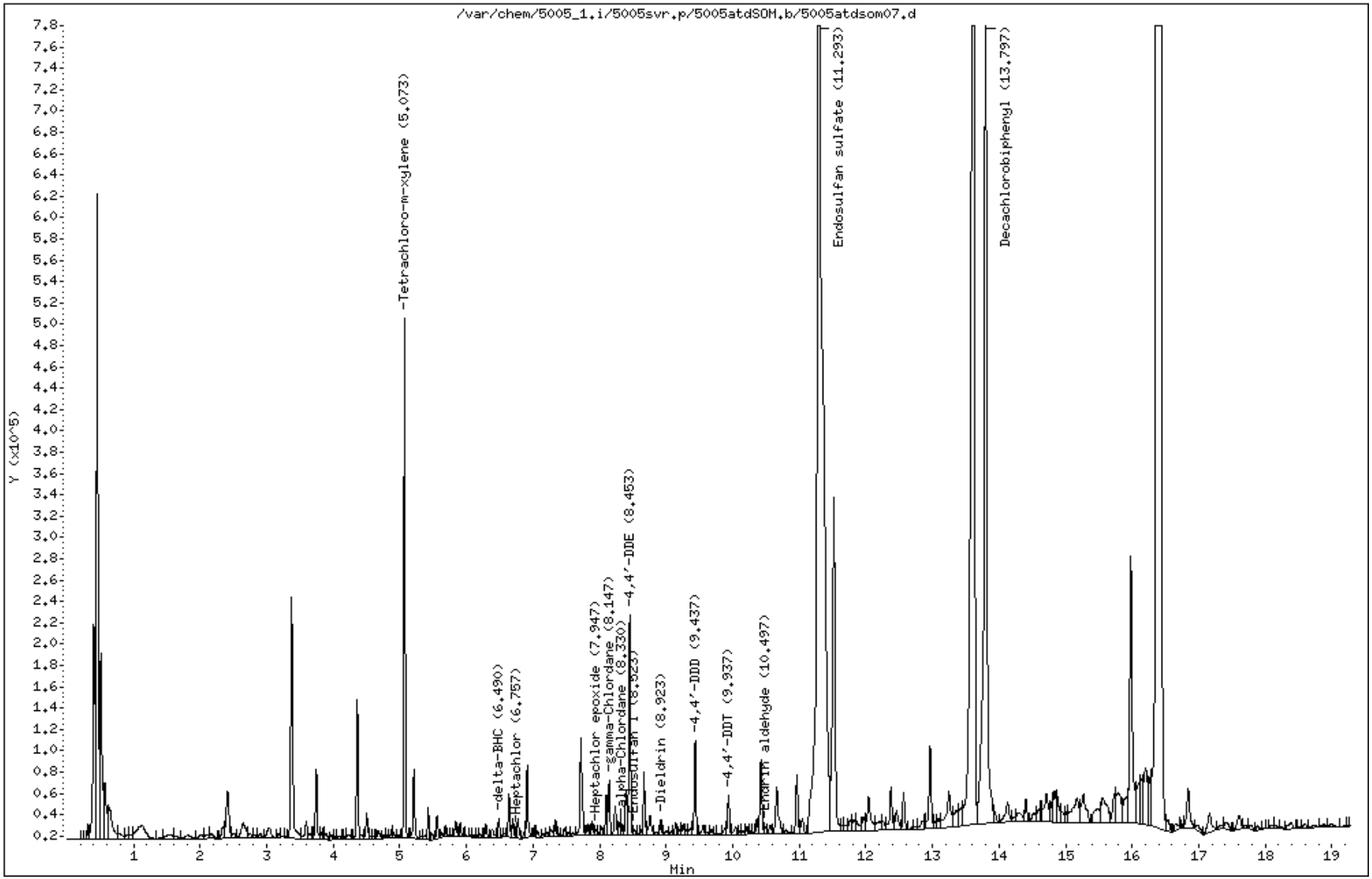
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	0.16	J P
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	0.14	J P B
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	0.13	J P
959-98-8	Endosulfan I	0.14	J P
60-57-1	Dieldrin	0.41	J P
72-55-9	4,4'-DDE	5.5	
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.5	J
1031-07-8	Endosulfan sulfate	0.53	J P
50-29-3	4,4'-DDT	1.6	J
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	0.16	J P
5103-71-9	alpha-Chlordane	0.29	J P
5103-74-2	gamma-Chlordane	0.42	J P
8001-35-2	Toxaphene	190	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom07.d
Date : 28-AUG-2013 10:48
Client ID: TS004 (072413)
Sample Info: 200-17642-D-3-I
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 28-AUG-2013 10:48
Operator : RRM Inst ID: 5005_1.i
Smp Info : 200-17642-D-3-I
Misc Info : 200-17642-D-3-I
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.073	5.070	0.003	487206	0.03944	0.03944	80.00- 120.00	100.00(M)
5 delta-BHC					CAS #: 319-86-8		
6.490	6.477	0.013	17827	0.000922	0.0009220	80.00- 120.00	100.00(aM)
6 Heptachlor					CAS #: 76-44-8		
6.757	6.734	0.023	6478	0.00038	0.0003796	80.00- 120.00	100.00(aM)
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.947	7.949	-0.002	4756	0.000353	0.0003534	80.00- 120.00	100.00(aM)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.147	8.130	0.017	50118	0.00359	0.003585	80.00- 120.00	100.00(aM)
10 alpha-Chlordane					CAS #: 5103-71-9		
8.330	8.330	0.000	10056	0.000752	0.0007524	80.00- 120.00	100.00(aM)
11 4,4'-DDE					CAS #: 72-55-9		
8.453	8.454	-0.001	205924	0.01445	0.01445	80.00- 120.00	100.00(M)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
12 Endosulfan I					CAS #: 959-98-8		
8.523	8.540	-0.017	4237	0.000357	0.0003566	80.00- 120.00	100.00(aM)
13 Dieldrin					CAS #: 60-57-1		
8.923	8.920	0.003	13630	0.00107	0.001066	80.00- 120.00	100.00(aM)
15 4,4'-DDD					CAS #: 72-54-8		
9.437	9.438	-0.001	88116	0.00937	0.009370	80.00- 120.00	100.00(aM)
17 4,4'-DDT					CAS #: 50-29-3		
9.937	9.939	-0.002	36189	0.00421	0.004209	80.00- 120.00	100.00(aM)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.497	10.464	0.033	6265	0.000804	0.0008045	80.00- 120.00	100.00(aM)
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.293	11.281	0.012	1292703	0.15091	0.1509	80.00- 120.00	100.00(M)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.797	13.798	-0.001	830072	0.10003	0.1000	80.00- 120.00	100.00(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/29/2013

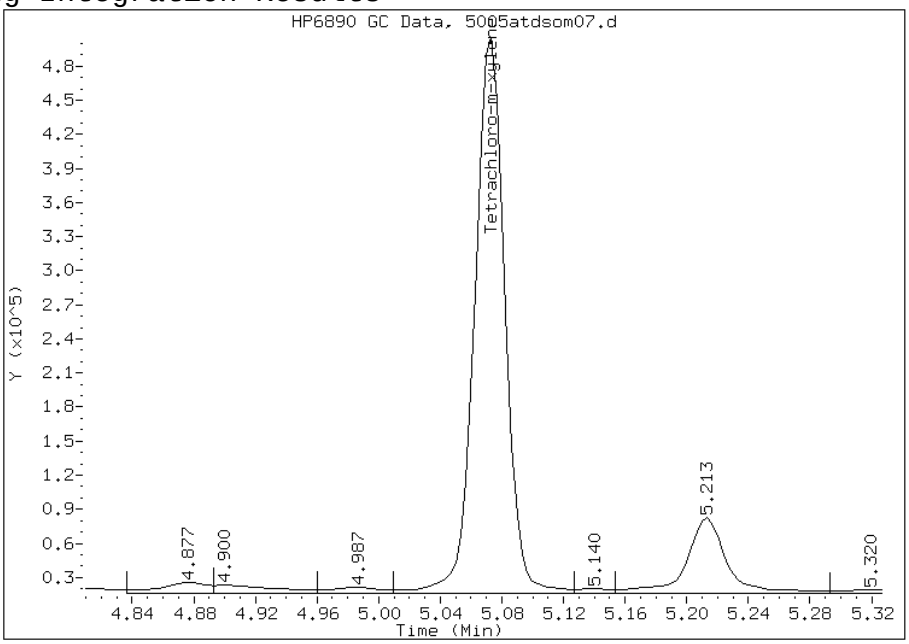
Processing Integration Results

RT: 5.07

Response: 489197

Amount: 0.039598

Conc: 0.039600



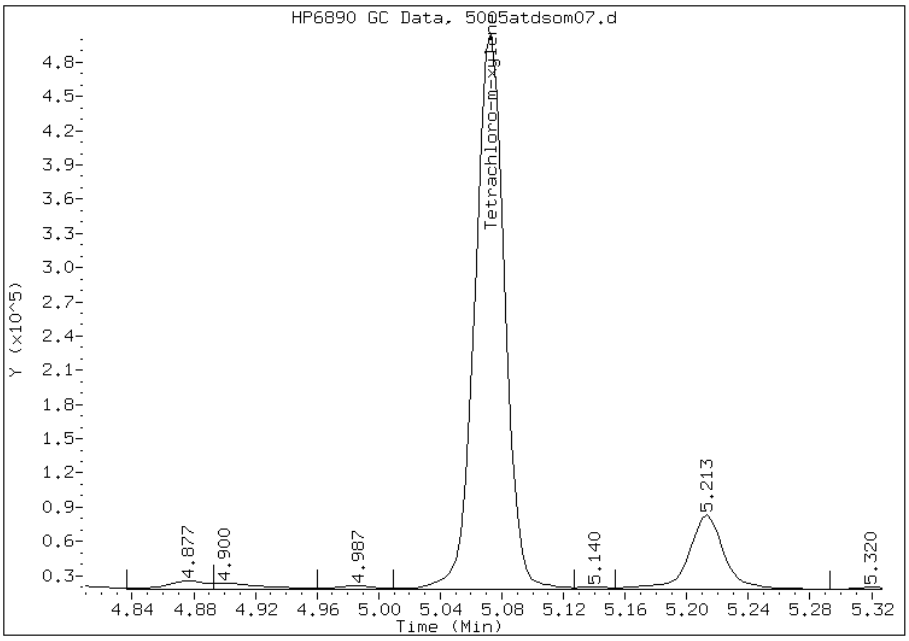
Manual Integration Results

RT: 5.07

Response: 487206

Amount: 0.039437

Conc: 0.039440



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 5 delta-BHC
CAS #: 319-86-8
Report Date: 08/29/2013

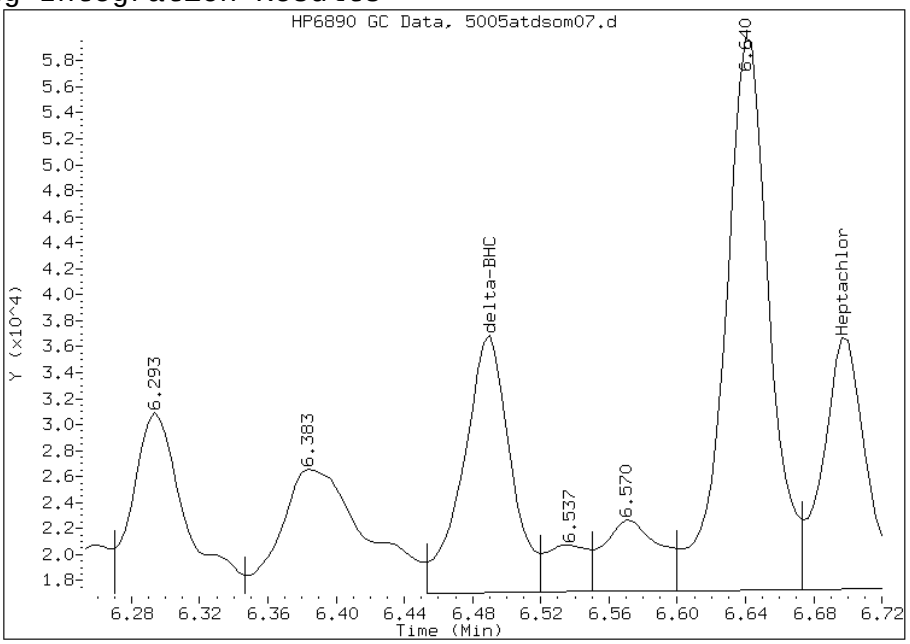
Processing Integration Results

RT: 6.49

Response: 19759

Amount: 0.001022

Conc: 0.001022



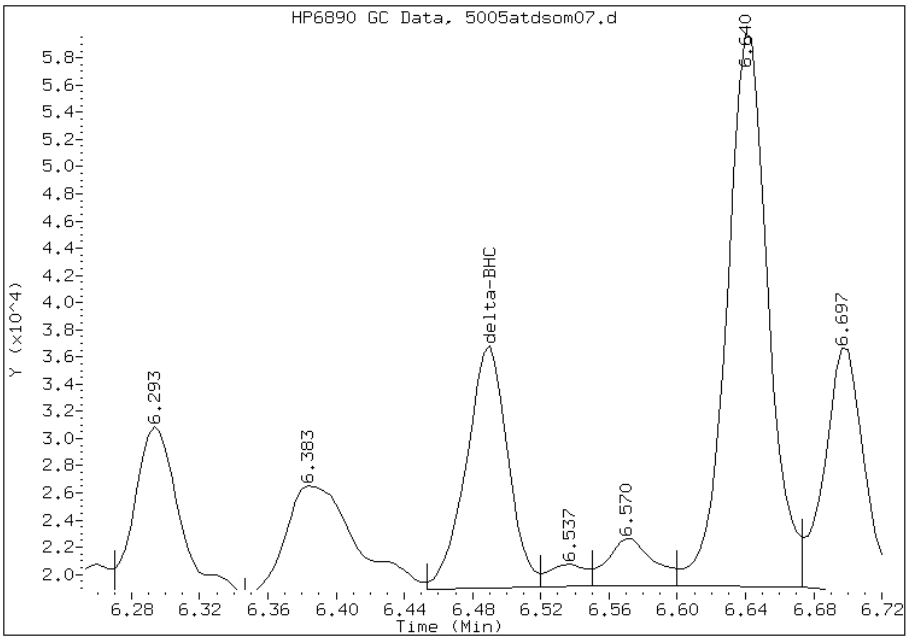
Manual Integration Results

RT: 6.49

Response: 17827

Amount: 0.000922

Conc: 0.000922



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 6 Heptachlor
CAS #: 76-44-8
Report Date: 08/29/2013

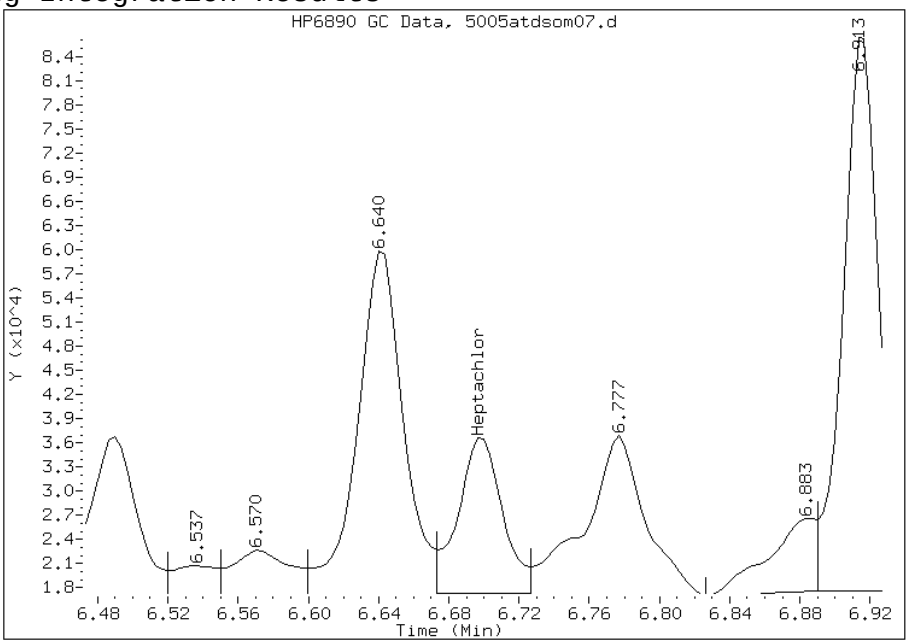
Processing Integration Results

RT: 6.70

Response: 19345

Amount: 0.001134

Conc: 0.001134



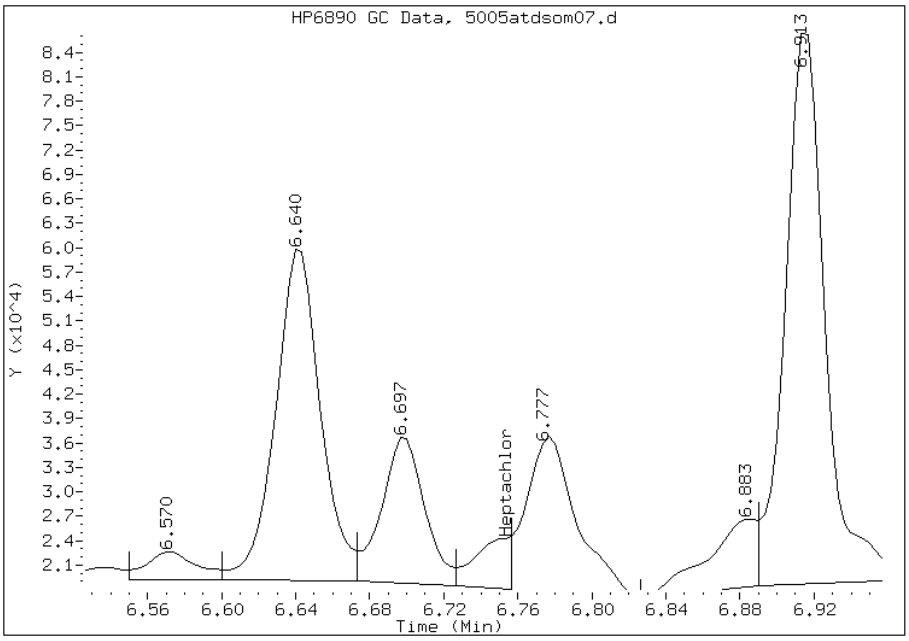
Manual Integration Results

RT: 6.76

Response: 6478

Amount: 0.000380

Conc: 0.000380



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 8 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 08/29/2013

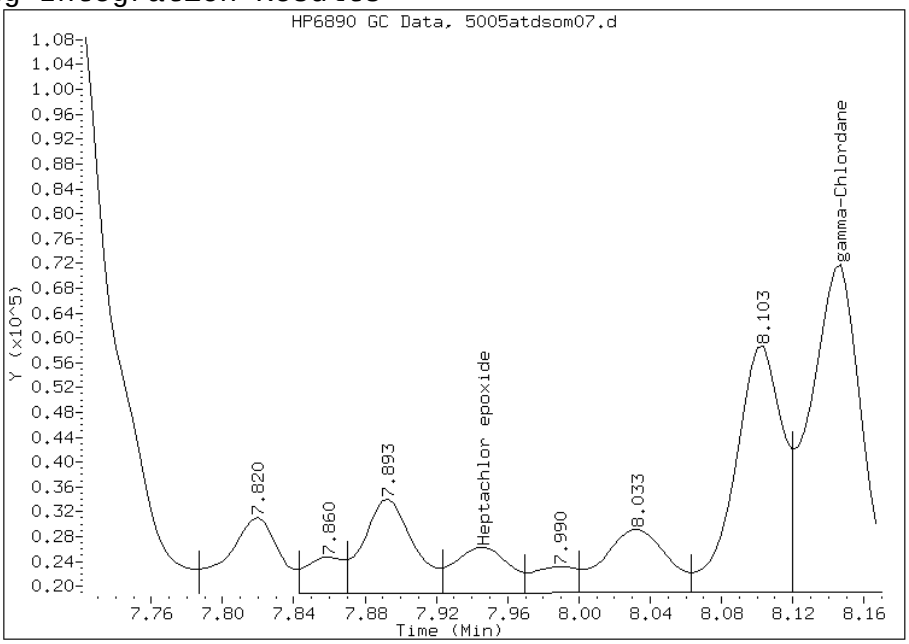
Processing Integration Results

RT: 7.95

Response: 7420

Amount: 0.000551

Conc: 0.000551



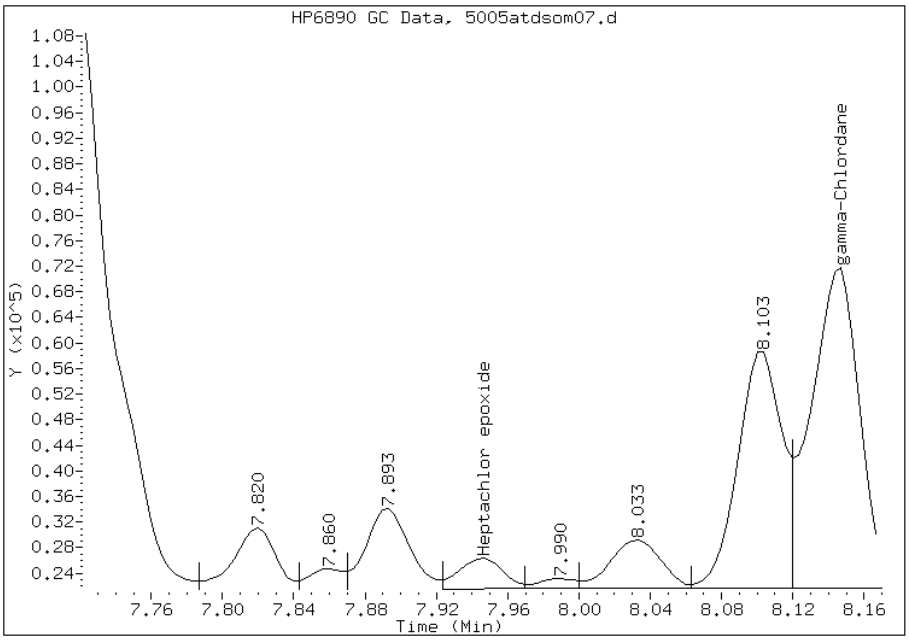
Manual Integration Results

RT: 7.95

Response: 4756

Amount: 0.000353

Conc: 0.000353



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 08/29/2013

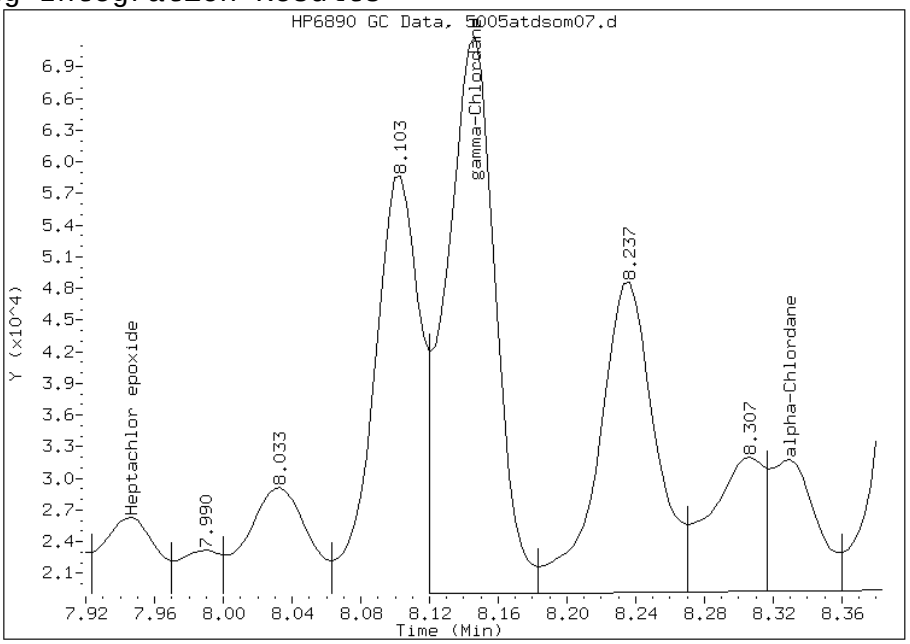
Processing Integration Results

RT: 8.15

Response: 52677

Amount: 0.003768

Conc: 0.003768



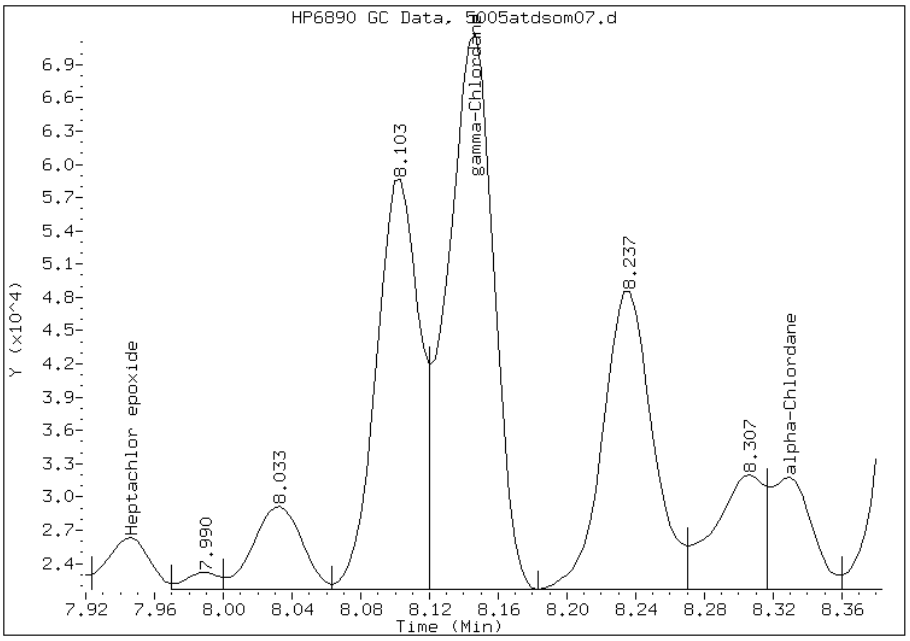
Manual Integration Results

RT: 8.15

Response: 50118

Amount: 0.003585

Conc: 0.003585



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 10 alpha-Chlordane
CAS #: 5103-71-9
Report Date: 08/29/2013

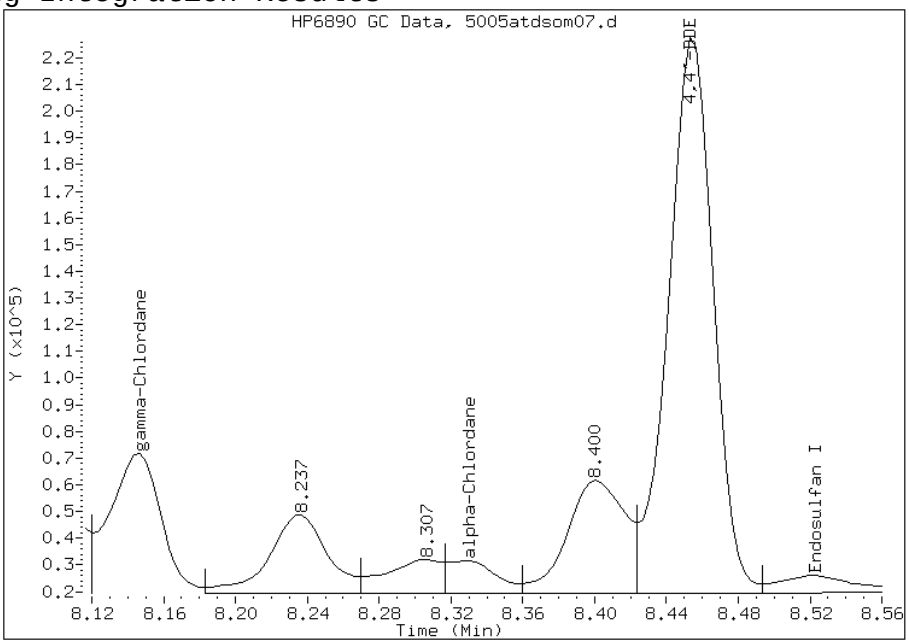
Processing Integration Results

RT: 8.33

Response: 12416

Amount: 0.000929

Conc: 0.000929



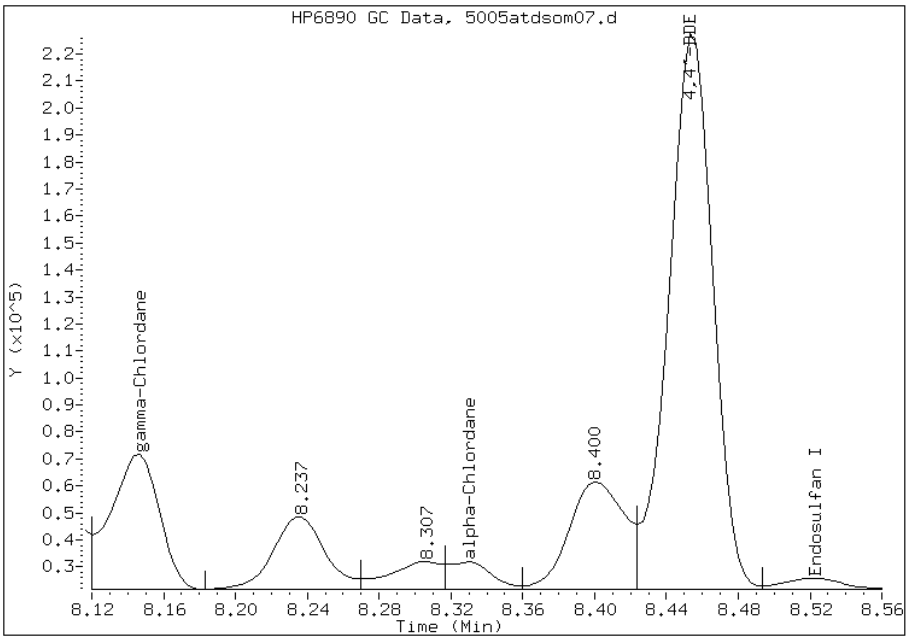
Manual Integration Results

RT: 8.33

Response: 10056

Amount: 0.000752

Conc: 0.000752



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 11 4,4'-DDE
CAS #: 72-55-9
Report Date: 08/29/2013

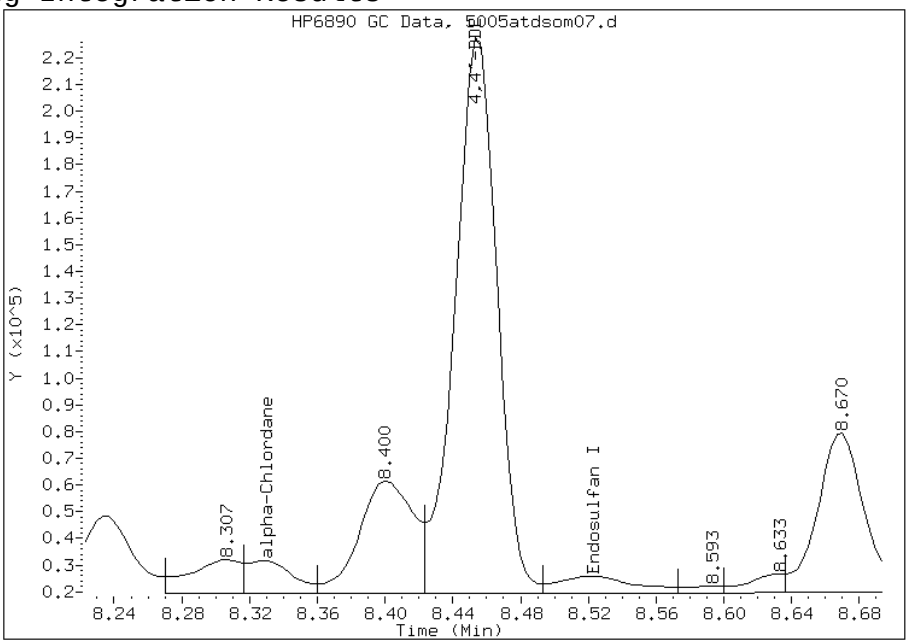
Processing Integration Results

RT: 8.45

Response: 208163

Amount: 0.014606

Conc: 0.014610



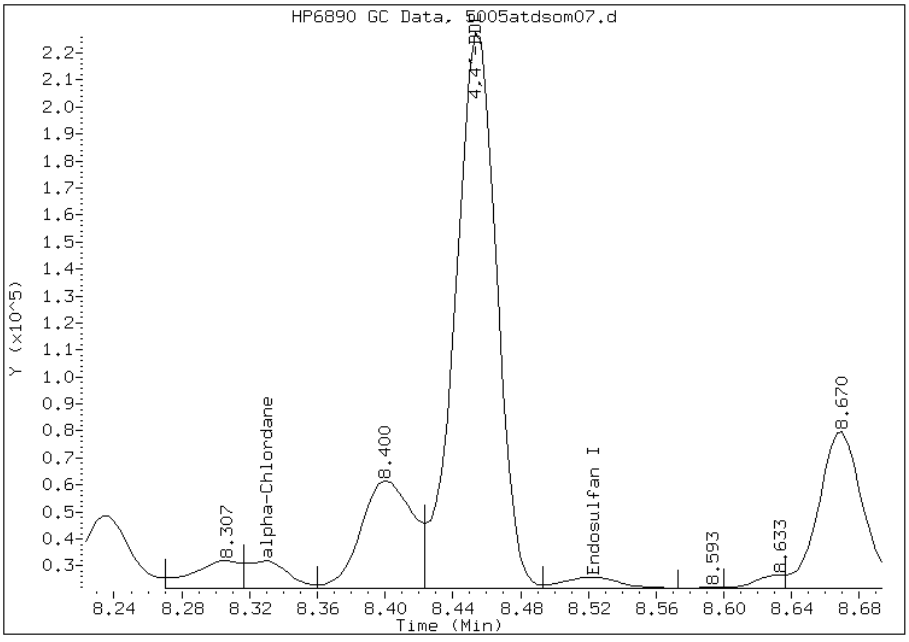
Manual Integration Results

RT: 8.45

Response: 205924

Amount: 0.014449

Conc: 0.014450



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 12 Endosulfan I
CAS #: 959-98-8
Report Date: 08/29/2013

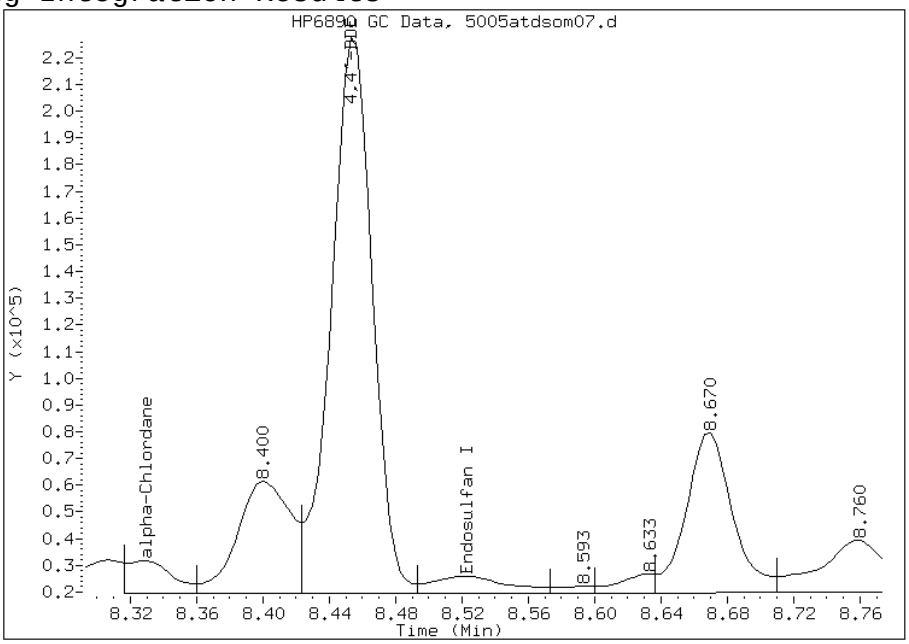
Processing Integration Results

RT: 8.52

Response: 6414

Amount: 0.000540

Conc: 0.000540



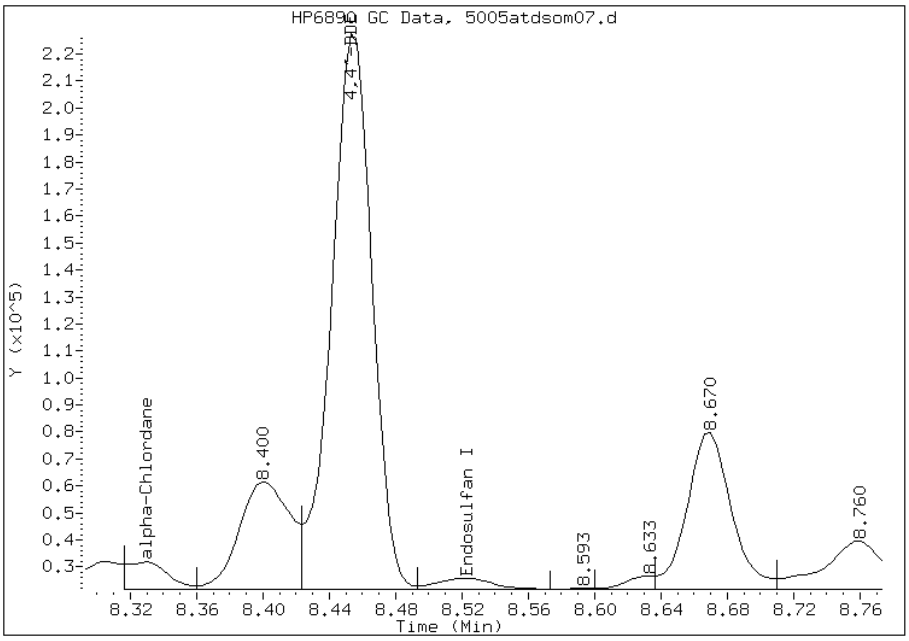
Manual Integration Results

RT: 8.52

Response: 4237

Amount: 0.000357

Conc: 0.000357



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 13 Dieldrin
CAS #: 60-57-1
Report Date: 08/29/2013

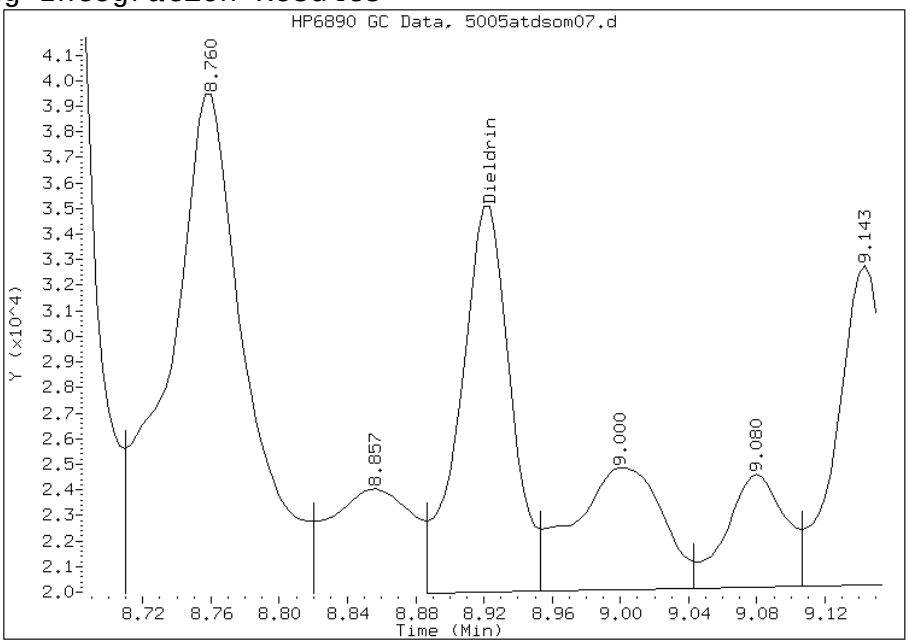
Processing Integration Results

RT: 8.92

Response: 15109

Amount: 0.001182

Conc: 0.001182



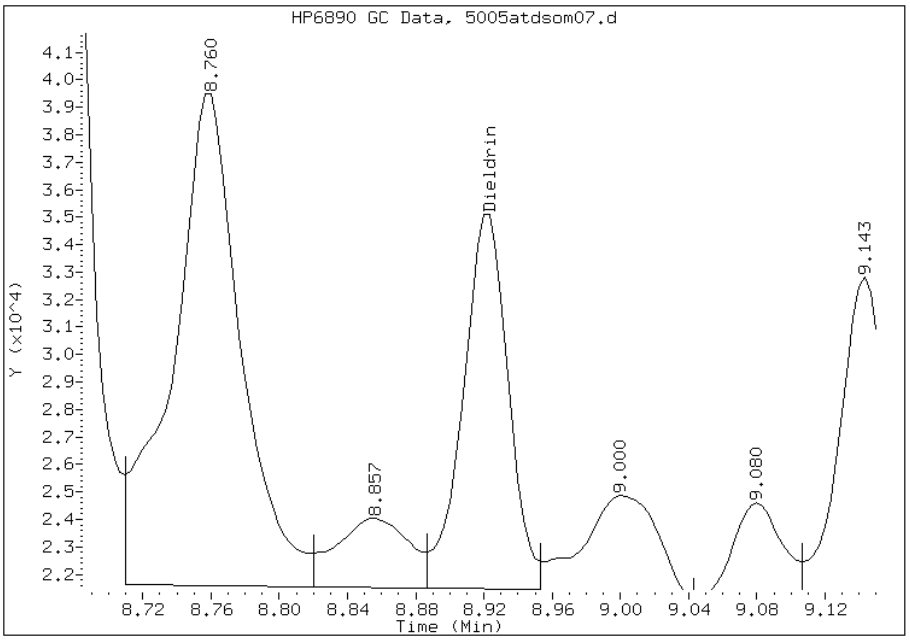
Manual Integration Results

RT: 8.92

Response: 13630

Amount: 0.001066

Conc: 0.001066



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 15 4,4'-DDD
CAS #: 72-54-8
Report Date: 08/29/2013

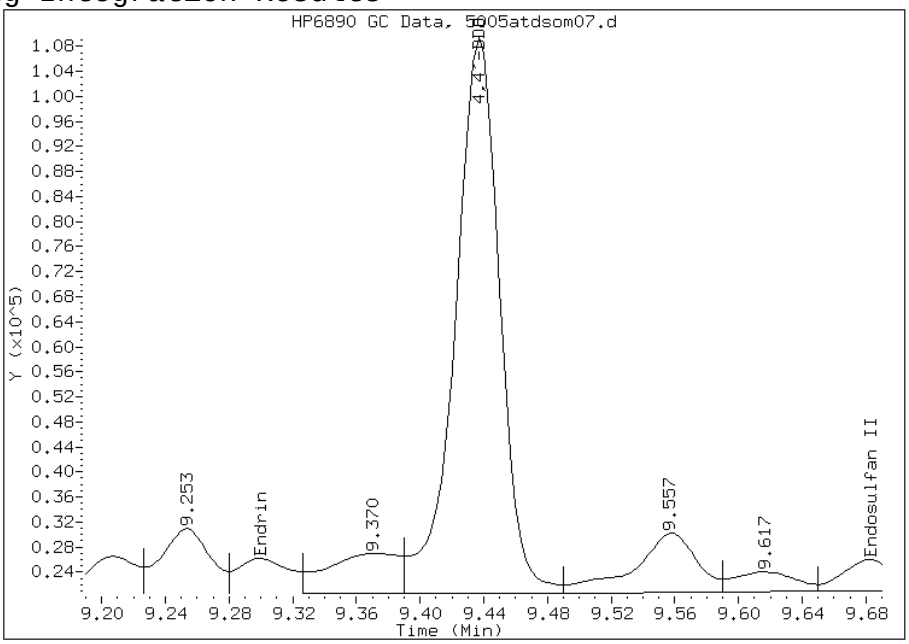
Processing Integration Results

RT: 9.44

Response: 88803

Amount: 0.009444

Conc: 0.009444



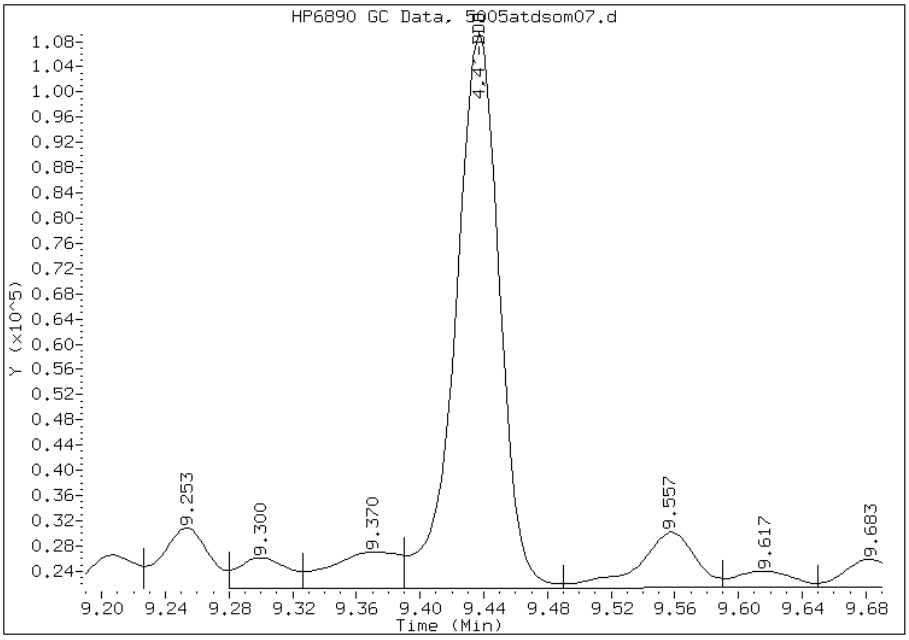
Manual Integration Results

RT: 9.44

Response: 88116

Amount: 0.009370

Conc: 0.009370



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 17 4,4'-DDT
CAS #: 50-29-3
Report Date: 08/29/2013

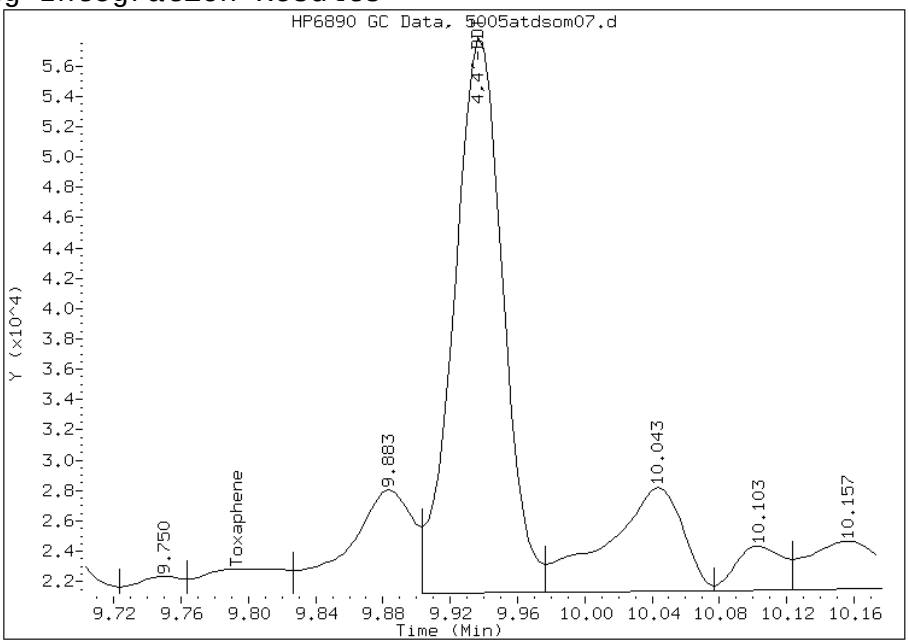
Processing Integration Results

RT: 9.94

Response: 36625

Amount: 0.004260

Conc: 0.004260



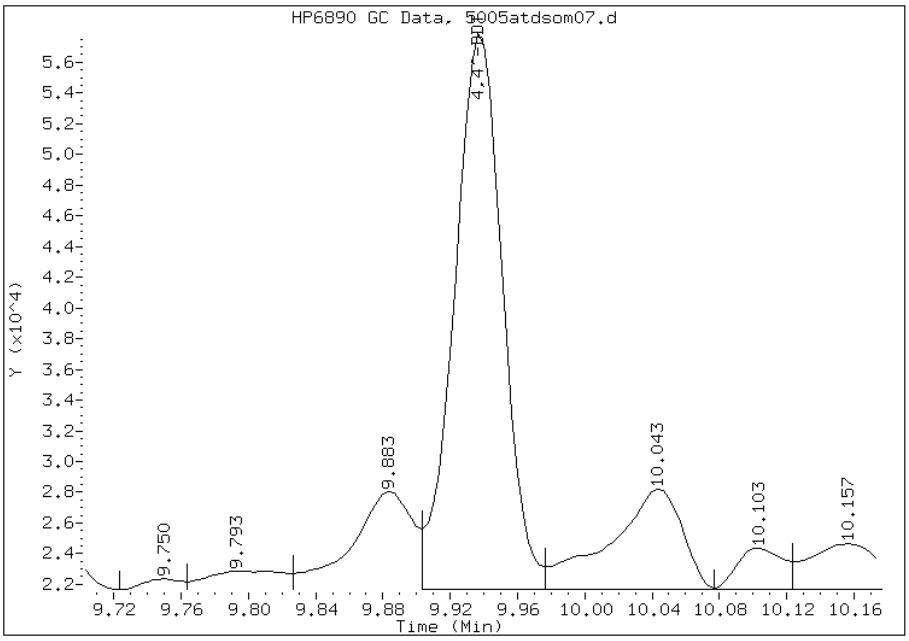
Manual Integration Results

RT: 9.94

Response: 36189

Amount: 0.004209

Conc: 0.004209



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 08/29/2013

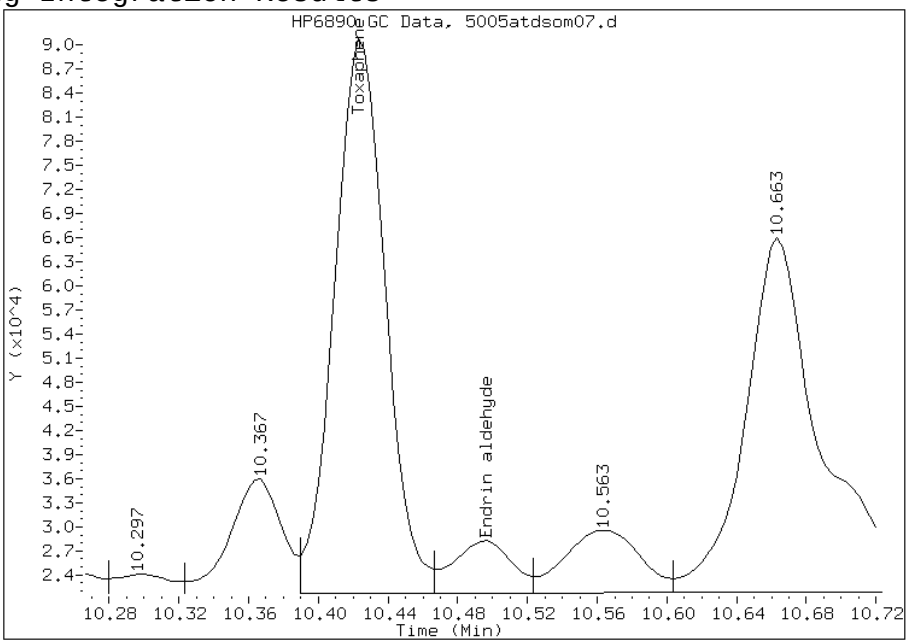
Processing Integration Results

RT: 10.50

Response: 6509

Amount: 0.000836

Conc: 0.000836



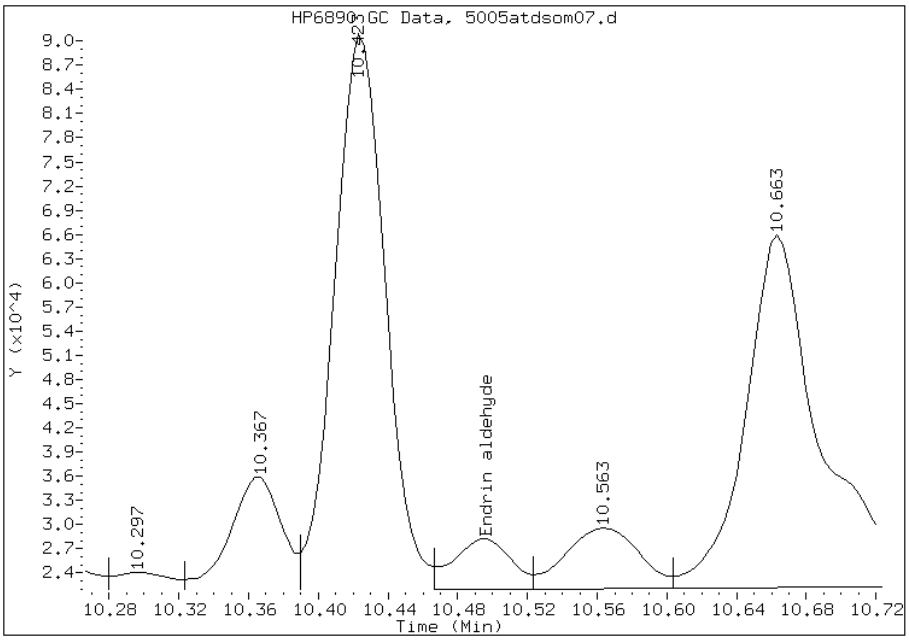
Manual Integration Results

RT: 10.50

Response: 6265

Amount: 0.000804

Conc: 0.000804



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 20 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 08/29/2013

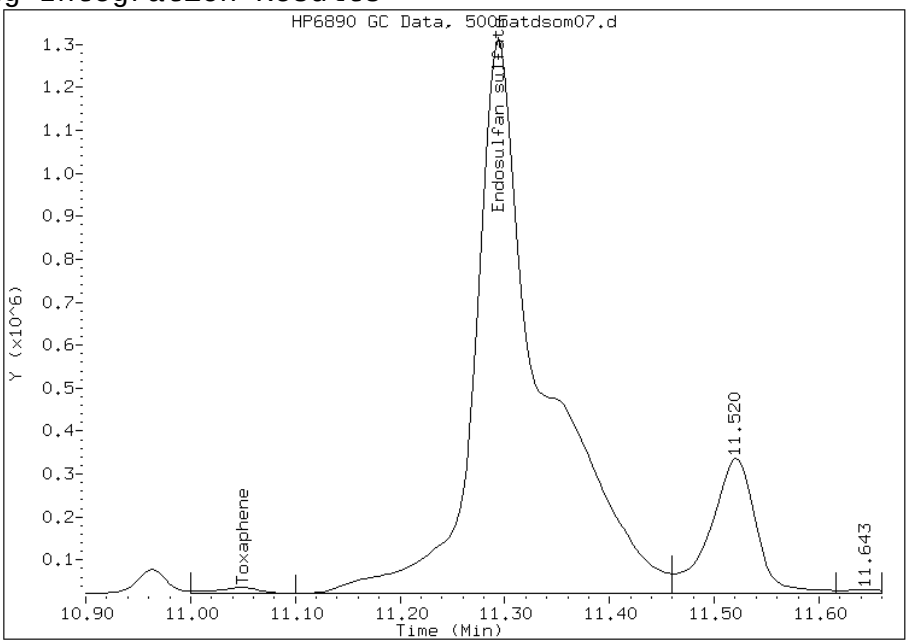
Processing Integration Results

RT: 11.29

Response: 1293744

Amount: 0.151036

Conc: 0.151000



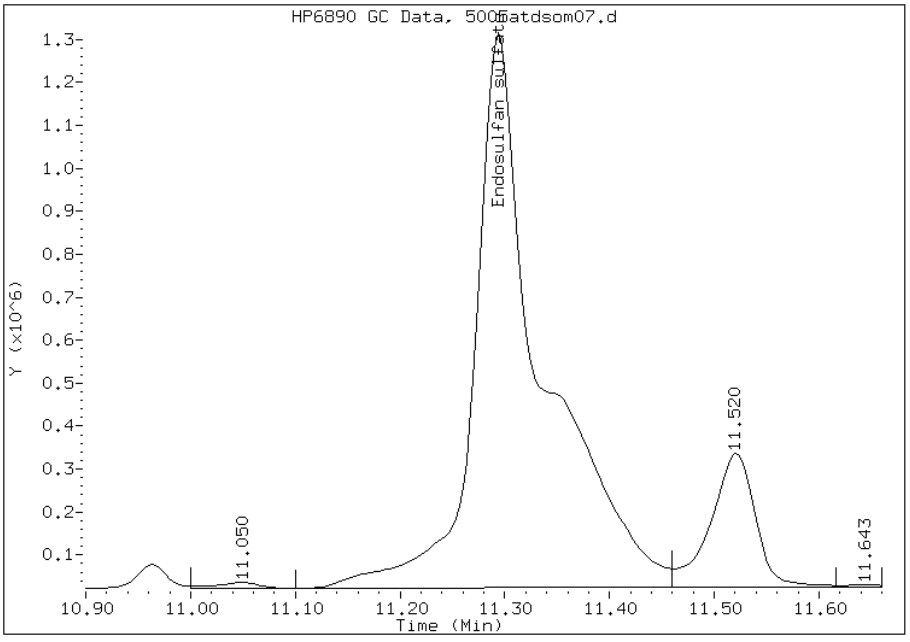
Manual Integration Results

RT: 11.29

Response: 1292703

Amount: 0.150914

Conc: 0.150900



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_1.i
Client ID: TS004 (072413)
Compound: 22 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/29/2013

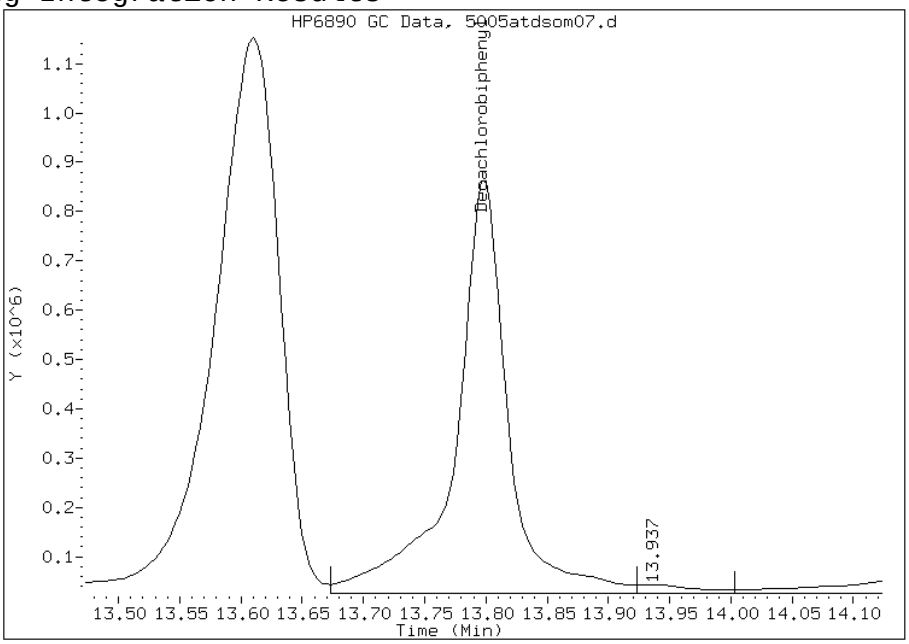
Processing Integration Results

RT: 13.80

Response: 835803

Amount: 0.100722

Conc: 0.100700



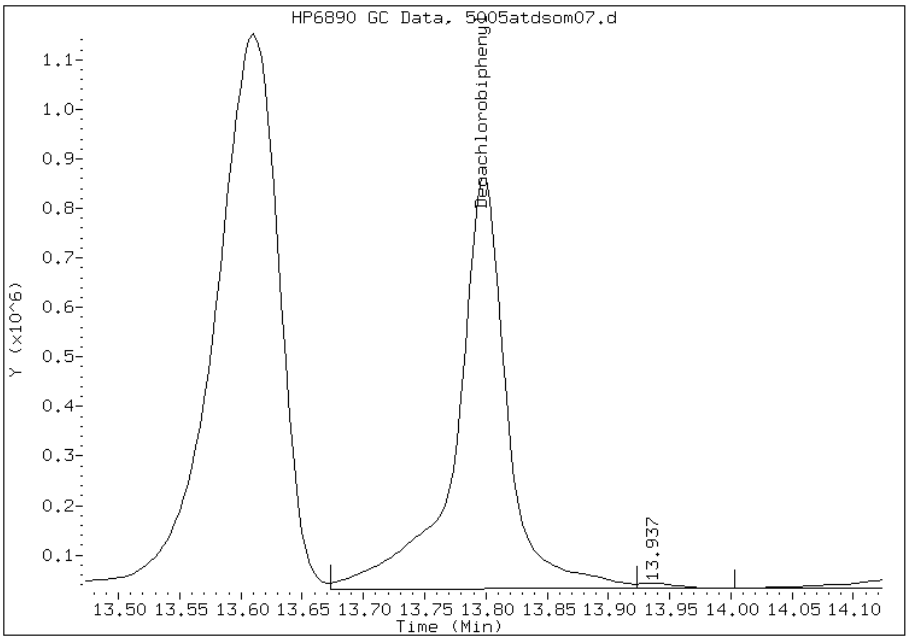
Manual Integration Results

RT: 13.80

Response: 830072

Amount: 0.100031

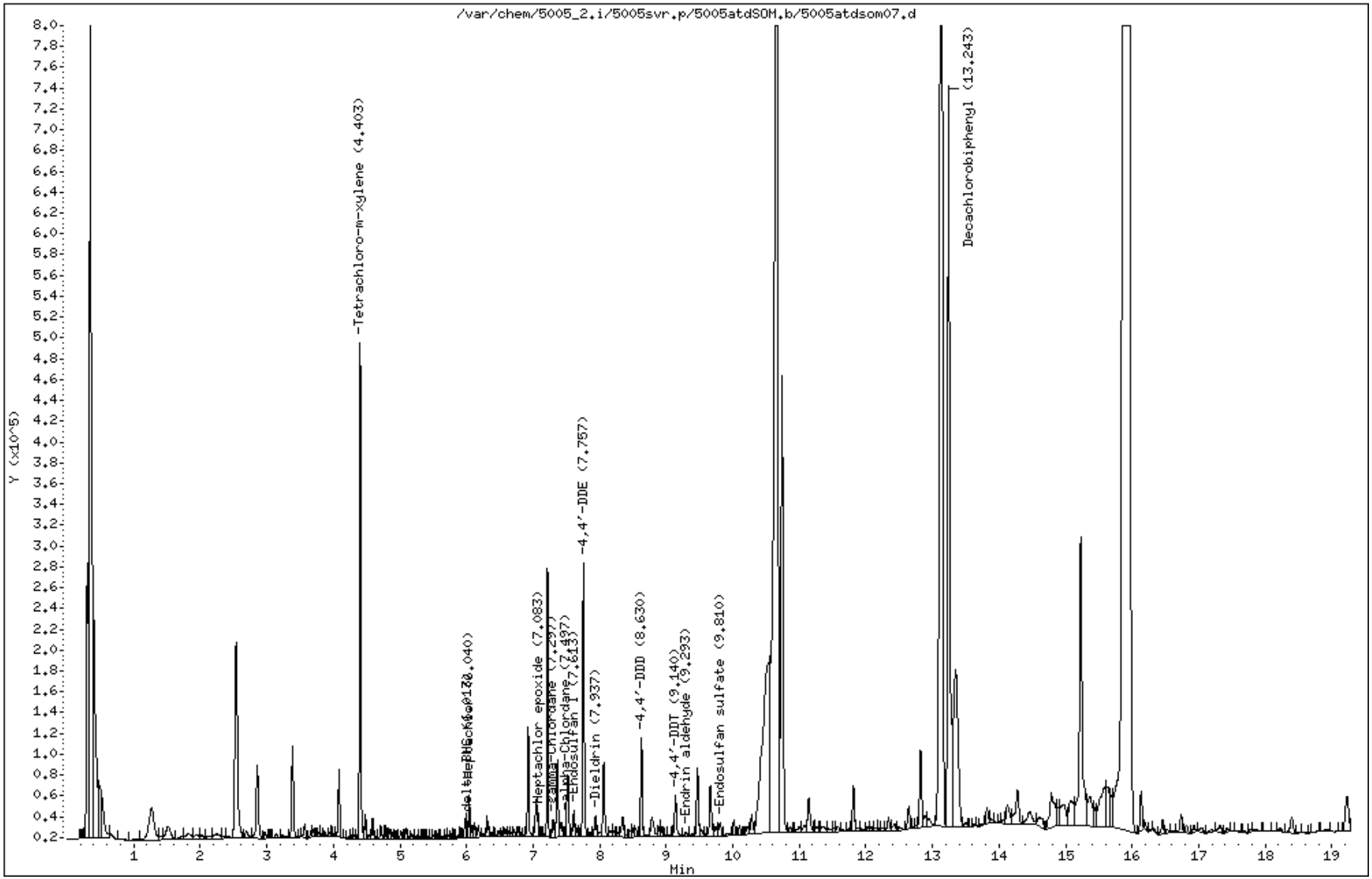
Conc: 0.100000



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom07.d
Date : 28-AUG-2013 10:48
Client ID: TS004 (072413)
Sample Info: 200-17642-D-3-I
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 28-AUG-2013 10:48
Operator : RRM Inst ID: 5005_2.i
Smp Info : 200-17642-D-3-I
Misc Info : 200-17642-D-3-I
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.403	4.402	0.001	476316	0.03939	0.03939	80.00- 120.00	100.00(M)
5 delta-BHC						CAS #: 319-86-8	
6.013	6.019	-0.006	9650	0.000412	0.0004122	80.00- 120.00	100.00(aM)
6 Heptachlor						CAS #: 76-44-8	
6.040	6.050	-0.010	40553	0.00208	0.002082	80.00- 120.00	100.00(aM)
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.083	7.061	0.022	15569	0.00104	0.001036	80.00- 120.00	100.00(aM)
9 gamma-Chlordane						CAS #: 5103-74-2	
7.297	7.300	-0.003	16739	0.00110	0.001100	80.00- 120.00	100.00(aM)
10 alpha-Chlordane						CAS #: 5103-71-9	
7.497	7.491	0.006	17487	0.00121	0.001208	80.00- 120.00	100.00(aM)
11 4,4'-DDE						CAS #: 72-55-9	
7.757	7.759	-0.002	262379	0.01710	0.01710	80.00- 120.00	100.00(M)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
12 Endosulfan I						CAS #: 959-98-8	
7.613	7.559	0.054	24671	0.00188	0.001882	80.00- 120.00	100.00(aM)
13 Dieldrin						CAS #: 60-57-1	
7.937	7.940	-0.003	18931	0.00135	0.001354	80.00- 120.00	100.00(aM)
15 4,4'-DDD						CAS #: 72-54-8	
8.630	8.630	0.000	94888	0.00923	0.009232	80.00- 120.00	100.00(aM)
17 4,4'-DDT						CAS #: 50-29-3	
9.140	9.141	-0.001	38983	0.00418	0.004182	80.00- 120.00	100.00(aM)
18 Endrin aldehyde						CAS #: 7421-93-4	
9.293	9.311	-0.018	3484	0.000411	0.0004111	80.00- 120.00	100.00(aM)
20 Endosulfan sulfate						CAS #: 1031-07-8	
9.810	9.810	0.000	12524	0.00140	0.001400	80.00- 120.00	100.00(aM)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.243	13.241	0.002	710888	0.08820	0.08820	80.00- 120.00	100.00(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/29/2013

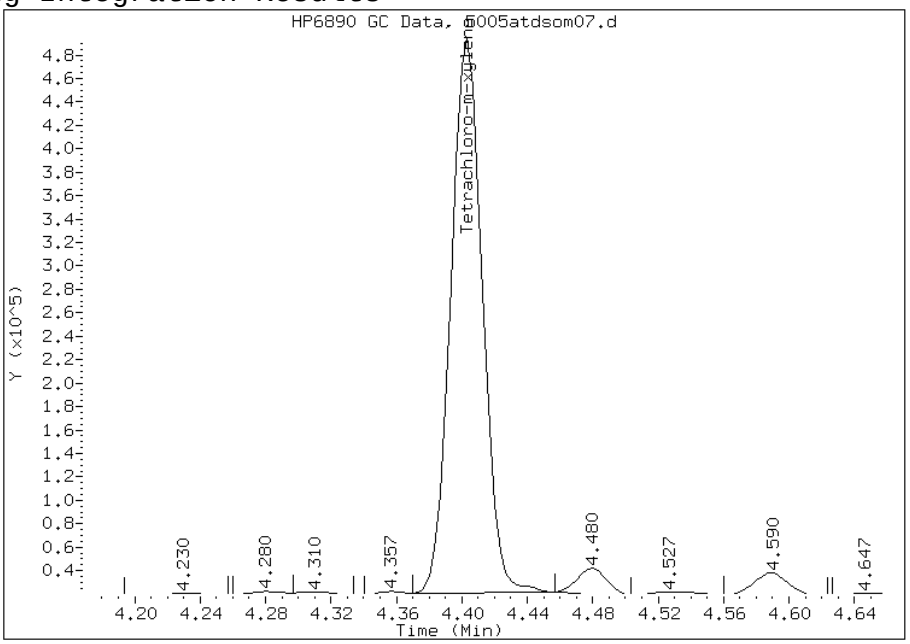
Processing Integration Results

RT: 4.40

Response: 473815

Amount: 0.039179

Conc: 0.039180



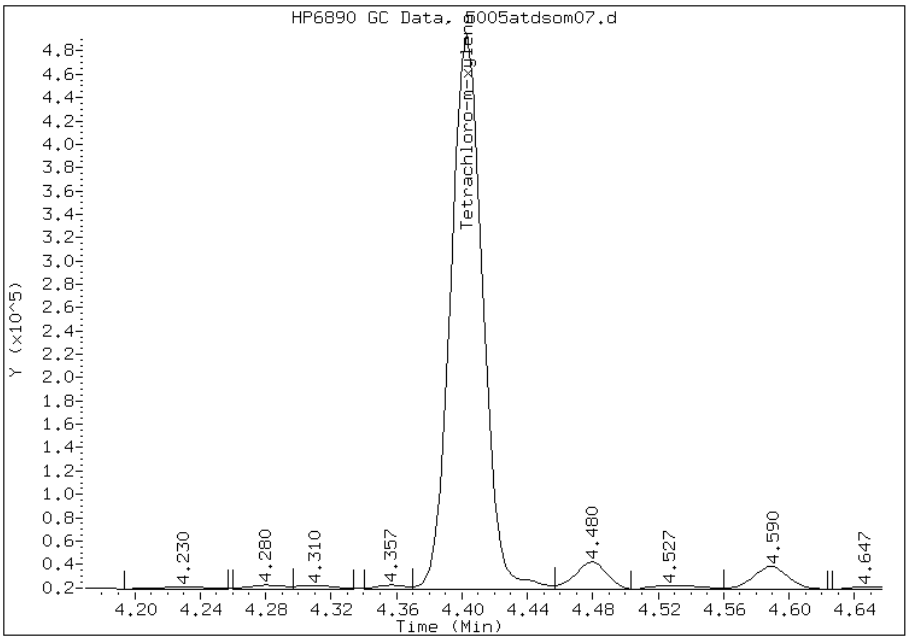
Manual Integration Results

RT: 4.40

Response: 476316

Amount: 0.039386

Conc: 0.039390



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 5 delta-BHC
CAS #: 319-86-8
Report Date: 08/29/2013

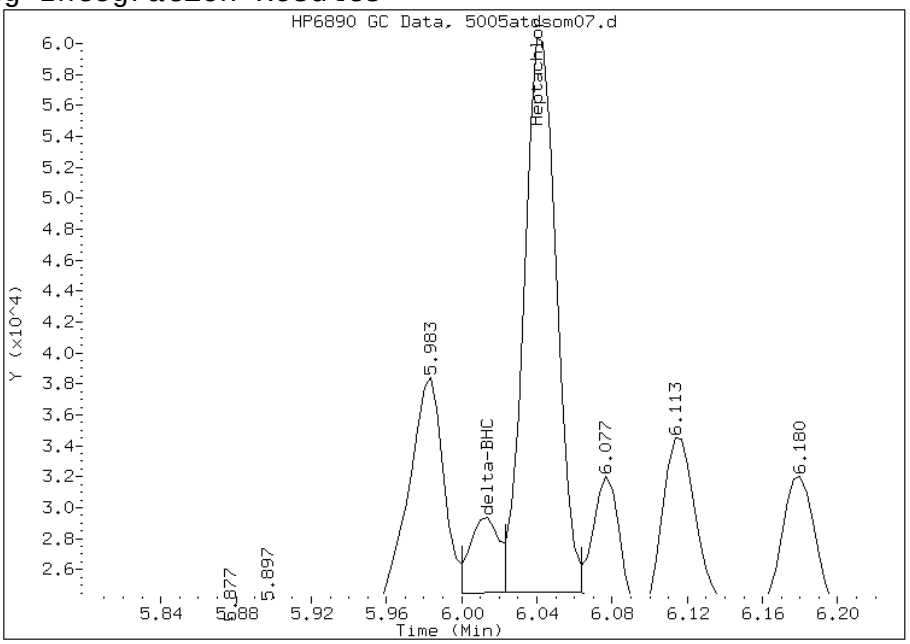
Processing Integration Results

RT: 6.01

Response: 4886

Amount: 0.000209

Conc: 0.000209



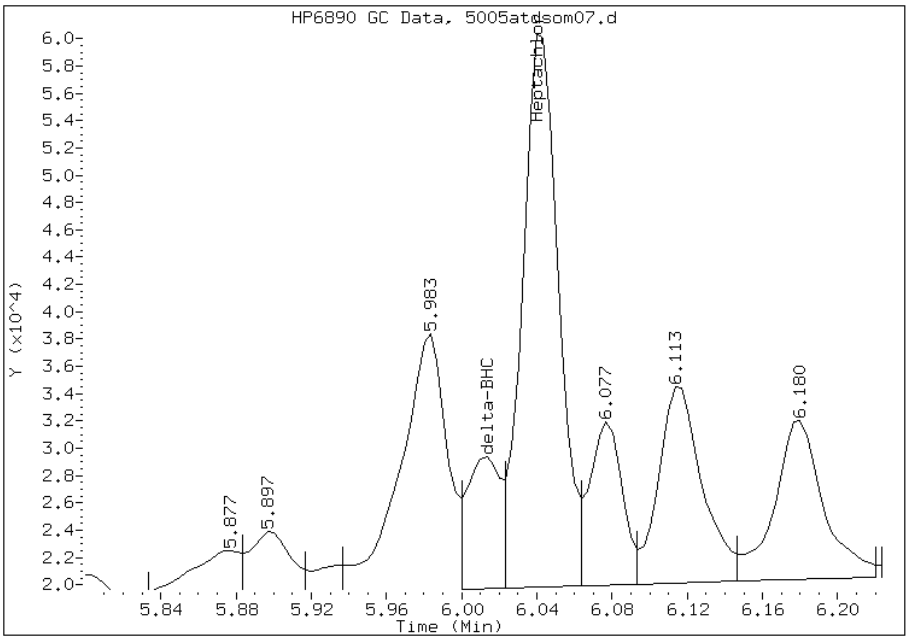
Manual Integration Results

RT: 6.01

Response: 9650

Amount: 0.000412

Conc: 0.000412



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 6 Heptachlor
CAS #: 76-44-8
Report Date: 08/29/2013

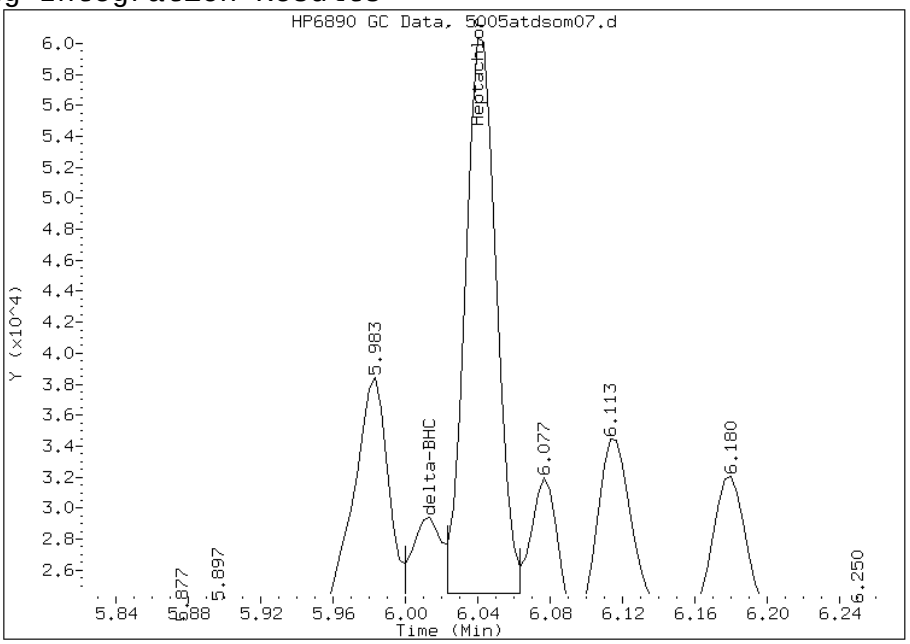
Processing Integration Results

RT: 6.04

Response: 35864

Amount: 0.001841

Conc: 0.001841



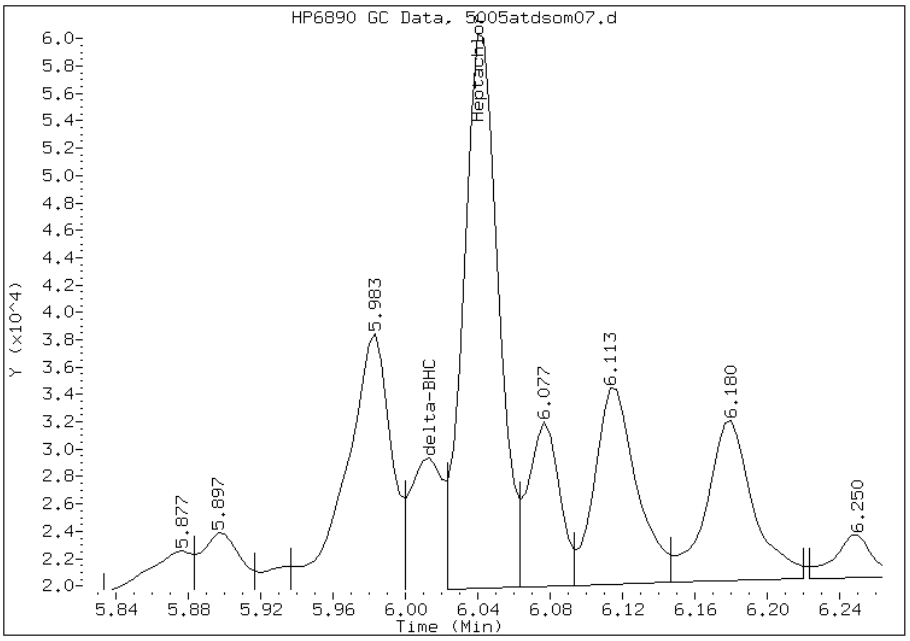
Manual Integration Results

RT: 6.04

Response: 40553

Amount: 0.002082

Conc: 0.002082



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 8 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 08/29/2013

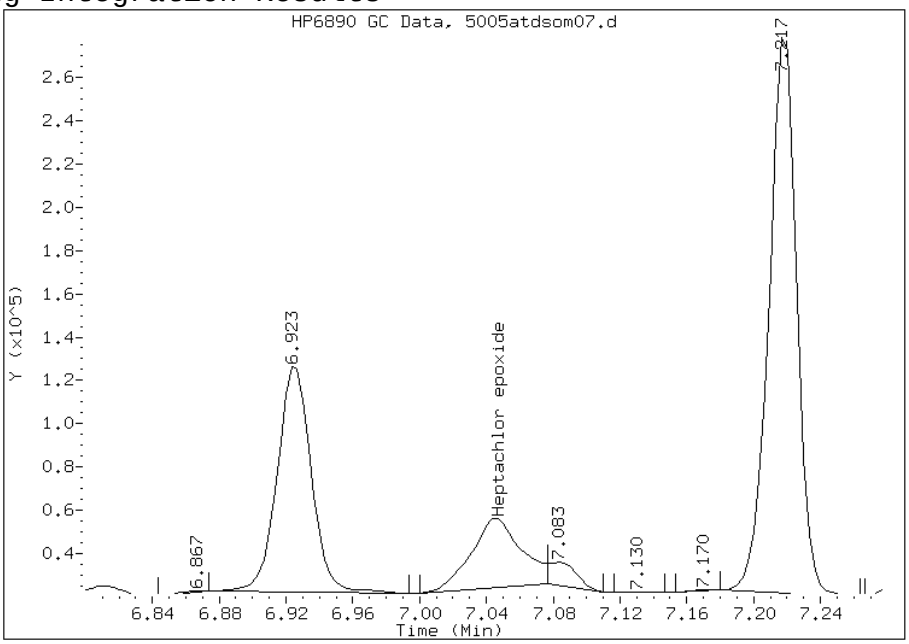
Processing Integration Results

RT: 7.05

Response: 32060

Amount: 0.002133

Conc: 0.002133



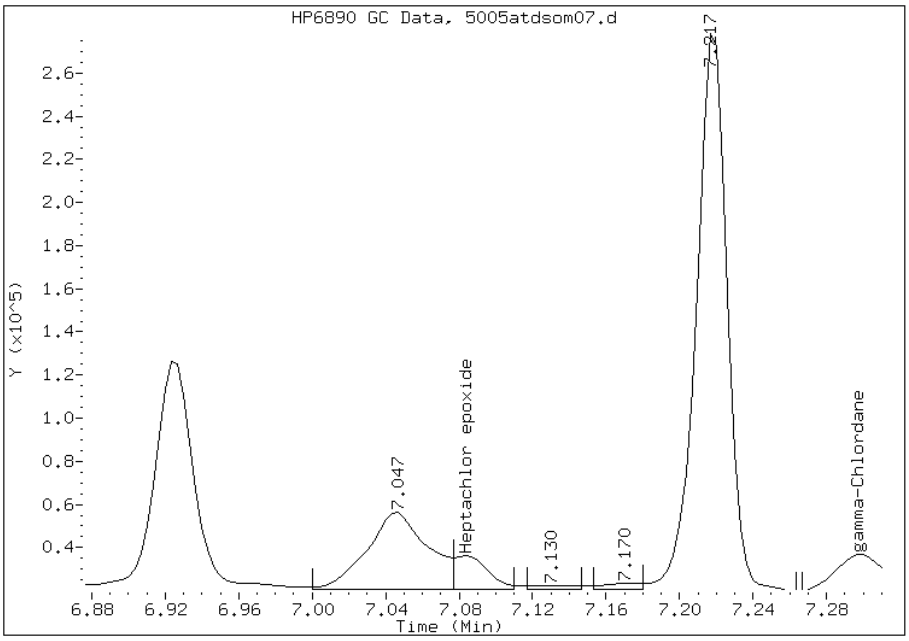
Manual Integration Results

RT: 7.08

Response: 15569

Amount: 0.001036

Conc: 0.001036



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 08/29/2013

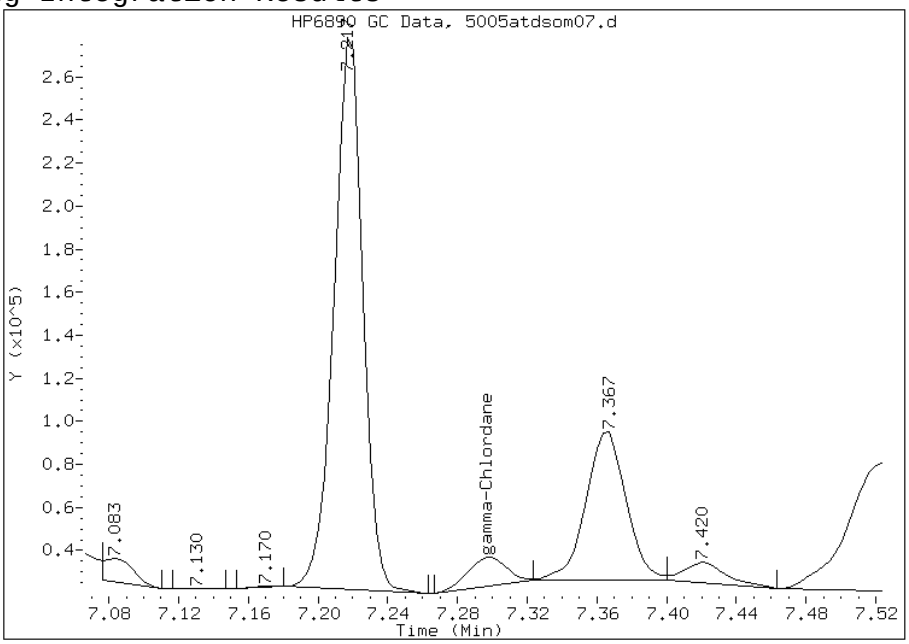
Processing Integration Results

RT: 7.30

Response: 13585

Amount: 0.000893

Conc: 0.000893



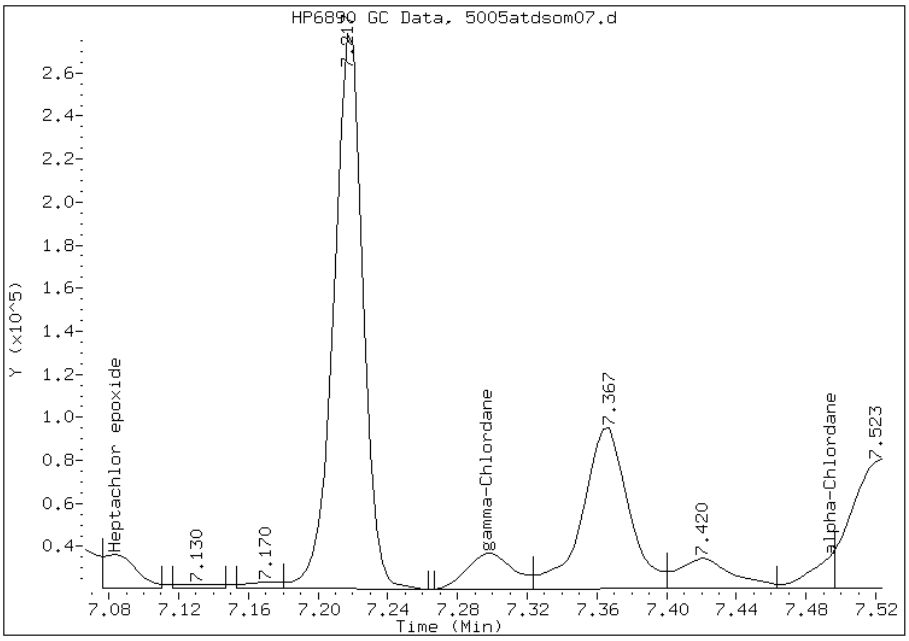
Manual Integration Results

RT: 7.30

Response: 16739

Amount: 0.001100

Conc: 0.001100



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 10 alpha-Chlordane
CAS #: 5103-71-9
Report Date: 08/29/2013

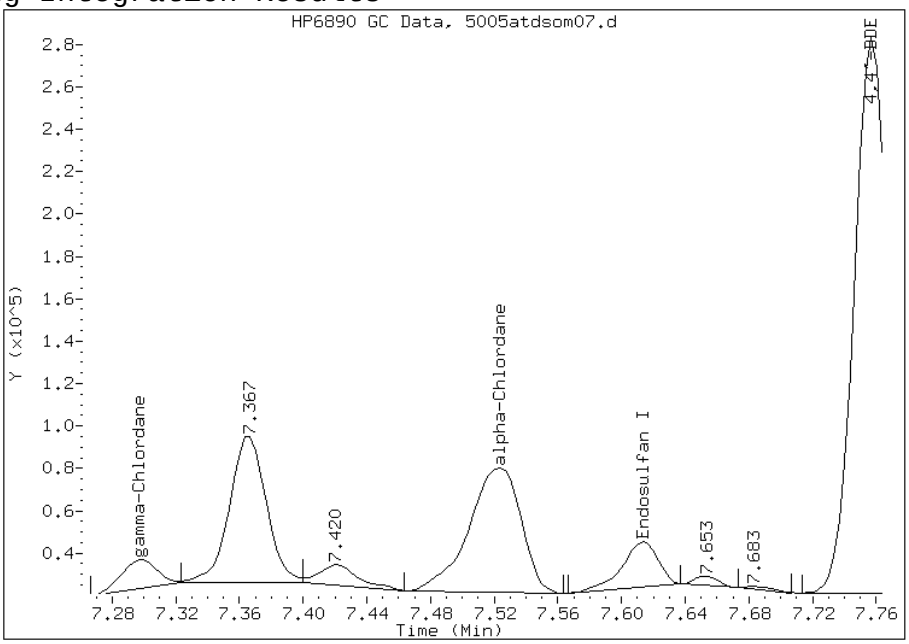
Processing Integration Results

RT: 7.52

Response: 58900

Amount: 0.004068

Conc: 0.004068



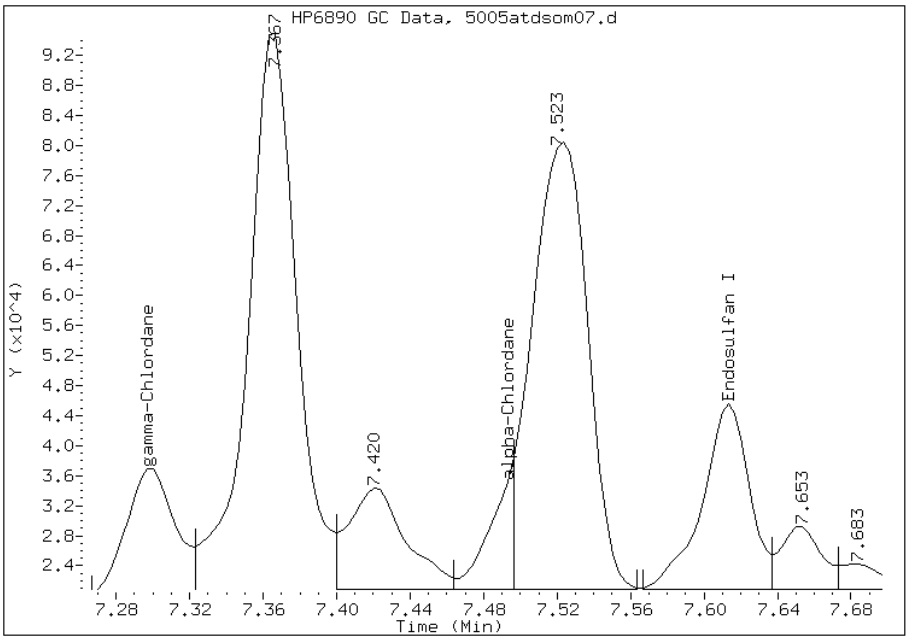
Manual Integration Results

RT: 7.50

Response: 17487

Amount: 0.001208

Conc: 0.001208



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 12 Endosulfan I
CAS #: 959-98-8
Report Date: 08/29/2013

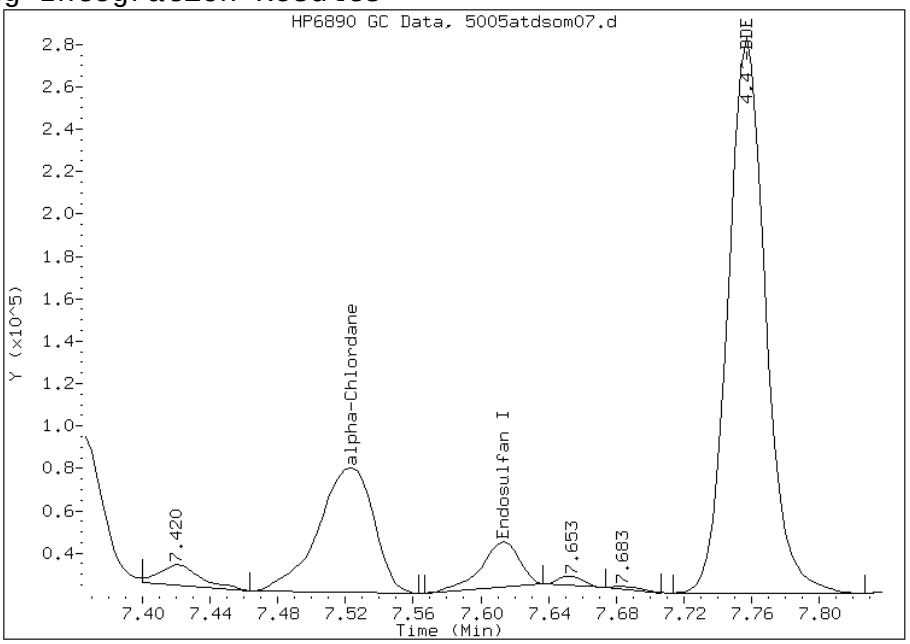
Processing Integration Results

RT: 7.61

Response: 21648

Amount: 0.001651

Conc: 0.001651



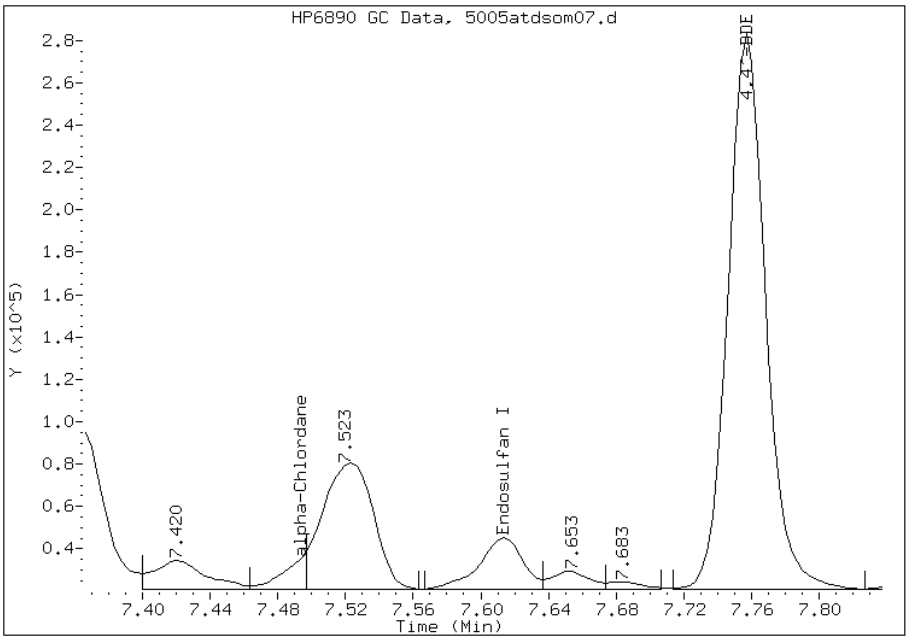
Manual Integration Results

RT: 7.61

Response: 24671

Amount: 0.001882

Conc: 0.001882



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 11 4,4'-DDE
CAS #: 72-55-9
Report Date: 08/29/2013

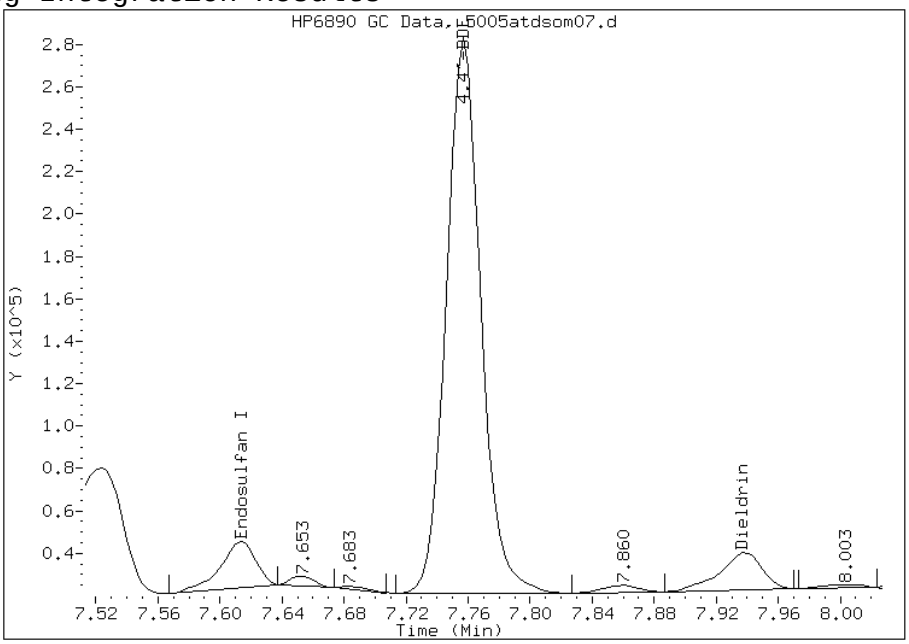
Processing Integration Results

RT: 7.76

Response: 262079

Amount: 0.017085

Conc: 0.017080



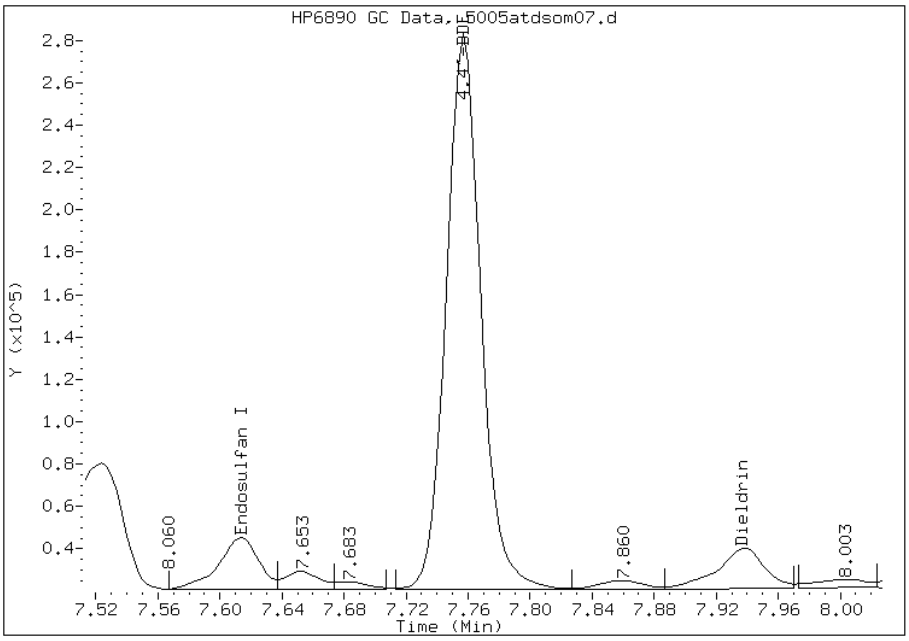
Manual Integration Results

RT: 7.76

Response: 262379

Amount: 0.017104

Conc: 0.017100



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 13 Dieldrin
CAS #: 60-57-1
Report Date: 08/29/2013

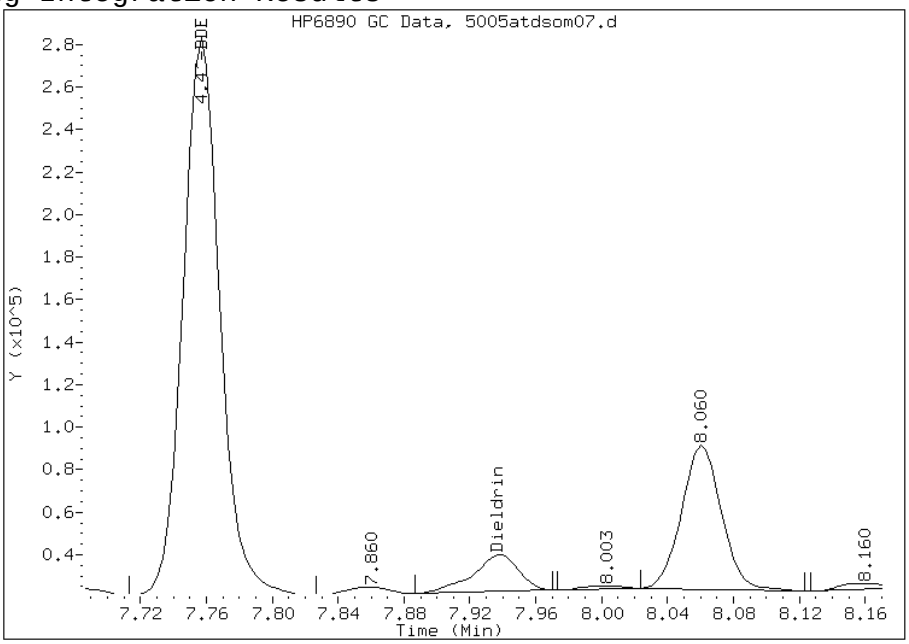
Processing Integration Results

RT: 7.94

Response: 17461

Amount: 0.001249

Conc: 0.001249



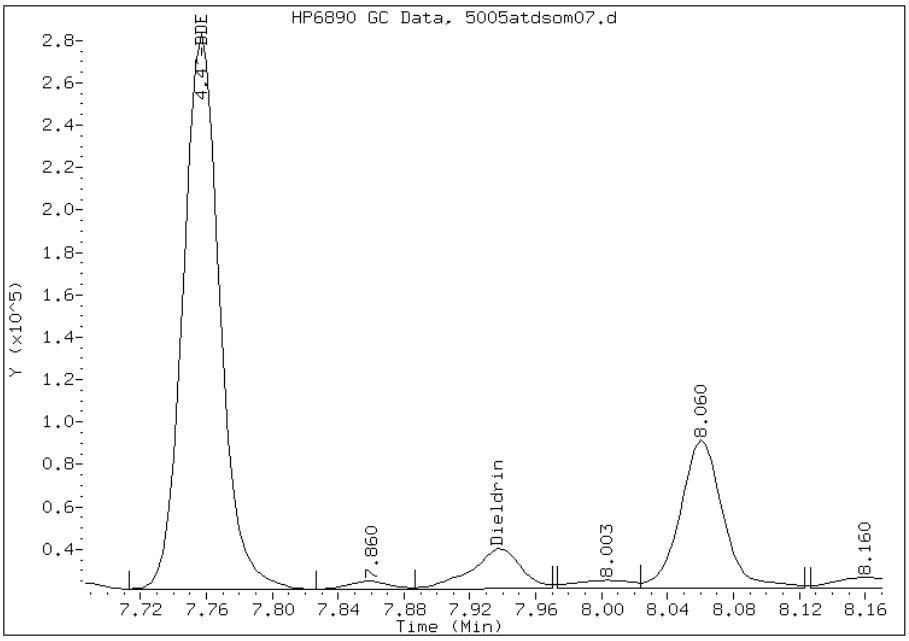
Manual Integration Results

RT: 7.94

Response: 18931

Amount: 0.001354

Conc: 0.001354



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 15 4,4'-DDD
CAS #: 72-54-8
Report Date: 08/29/2013

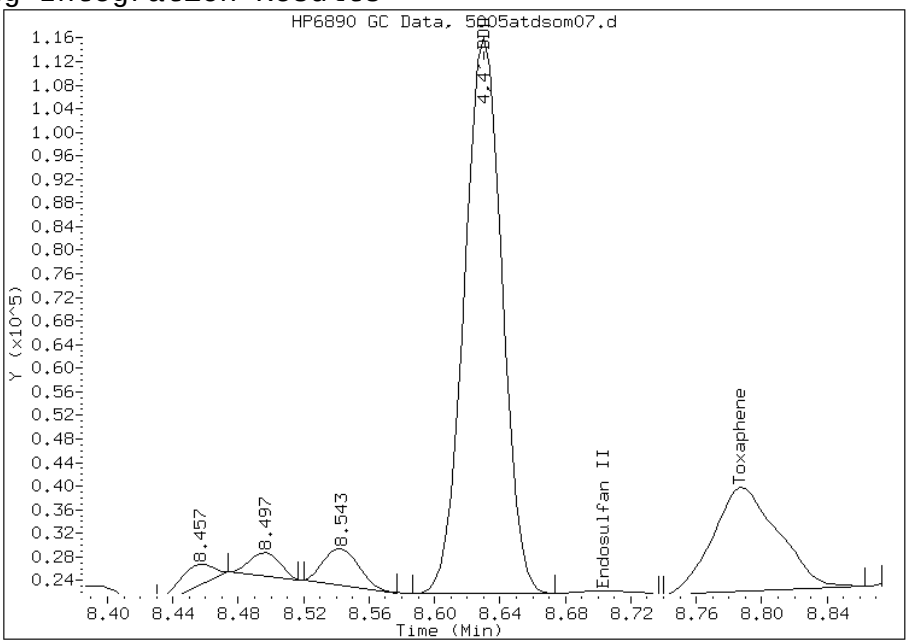
Processing Integration Results

RT: 8.63

Response: 94264

Amount: 0.009172

Conc: 0.009172



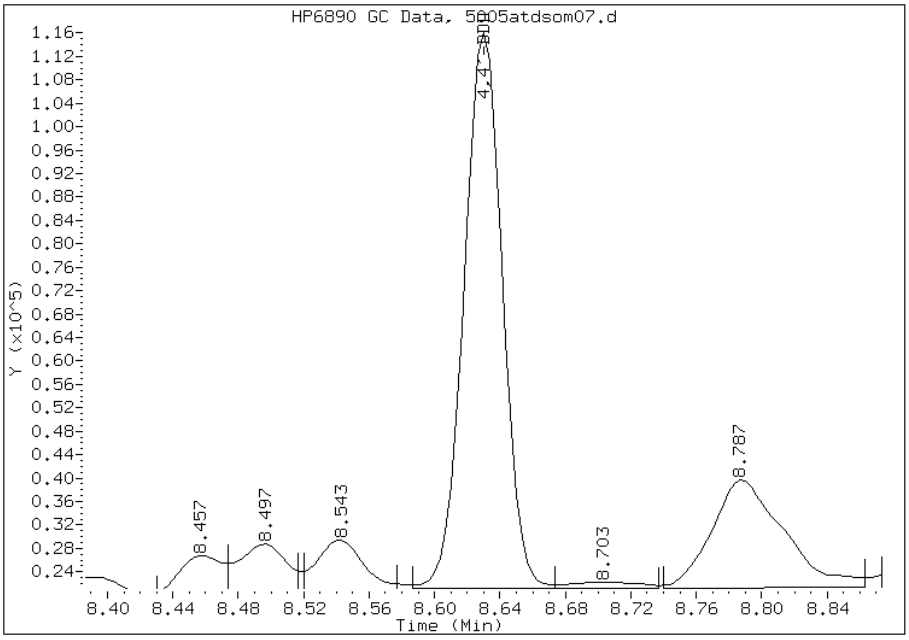
Manual Integration Results

RT: 8.63

Response: 94888

Amount: 0.009232

Conc: 0.009232



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 17 4,4'-DDT
CAS #: 50-29-3
Report Date: 08/29/2013

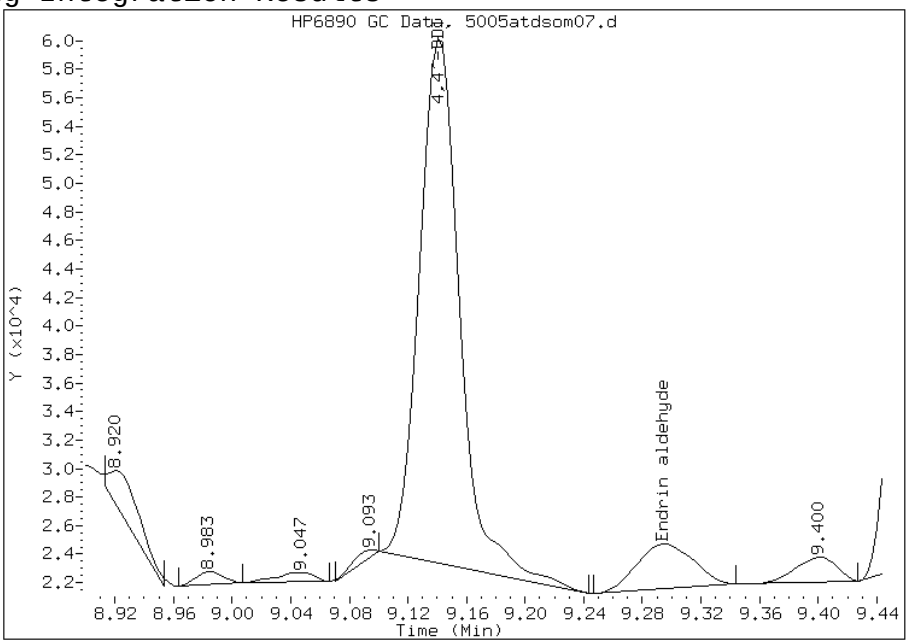
Processing Integration Results

RT: 9.14

Response: 36850

Amount: 0.003953

Conc: 0.003953



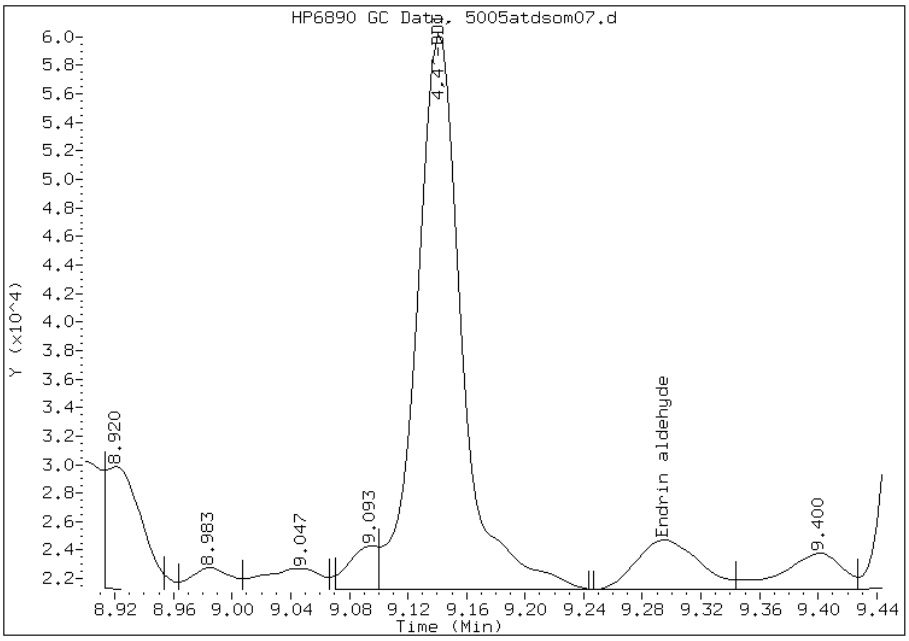
Manual Integration Results

RT: 9.14

Response: 38983

Amount: 0.004182

Conc: 0.004182



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 08/29/2013

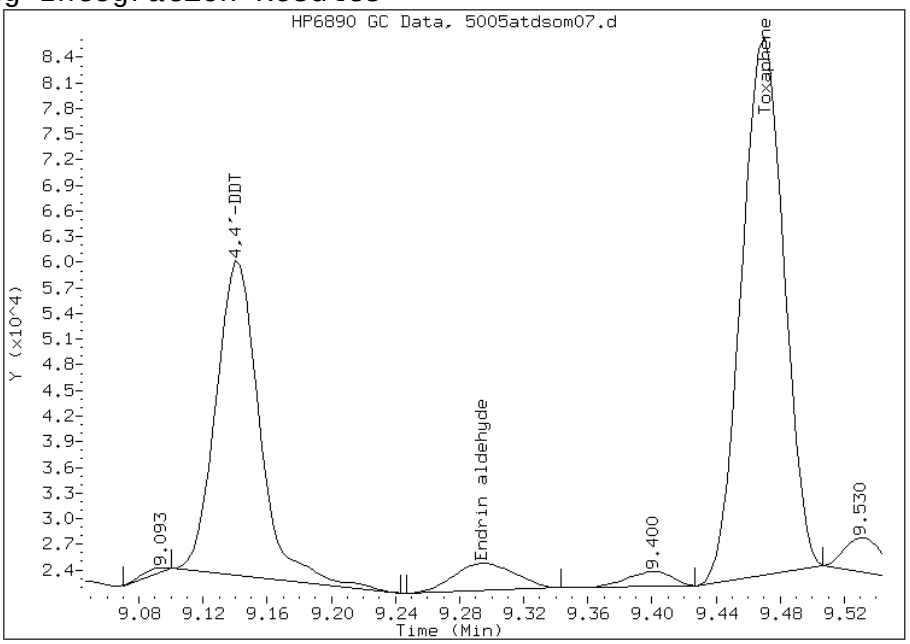
Processing Integration Results

RT: 9.29

Response: 3182

Amount: 0.000375

Conc: 0.000376



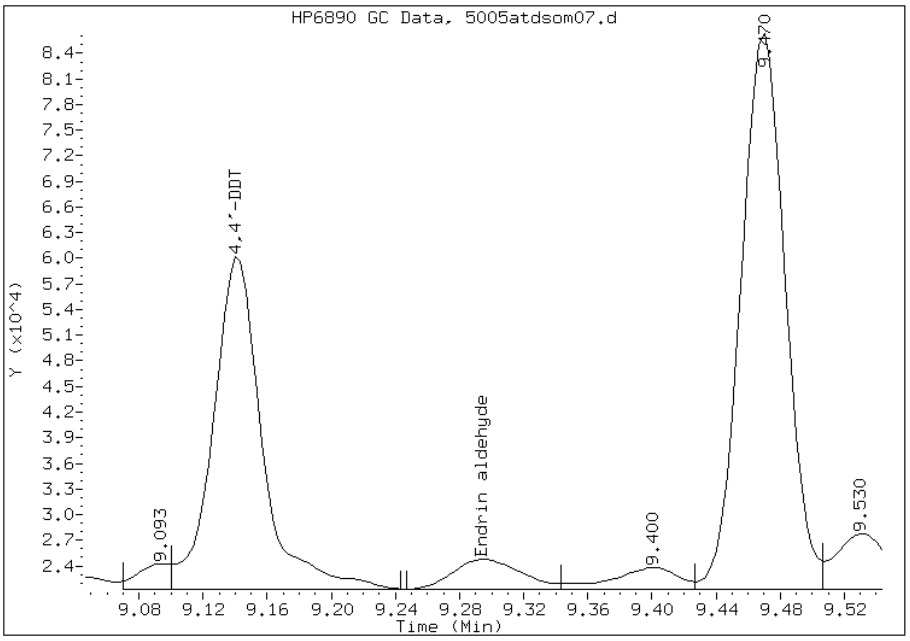
Manual Integration Results

RT: 9.29

Response: 3484

Amount: 0.000411

Conc: 0.000411



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 20 Endosulfan sulfate
CAS #: 1031-07-8
Report Date: 08/29/2013

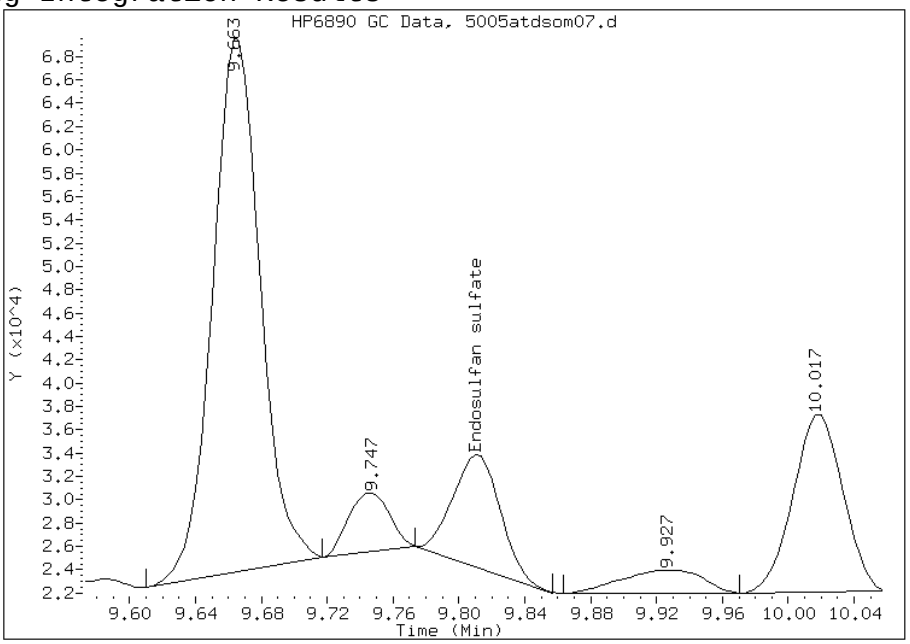
Processing Integration Results

RT: 9.81

Response: 9686

Amount: 0.001083

Conc: 0.001083



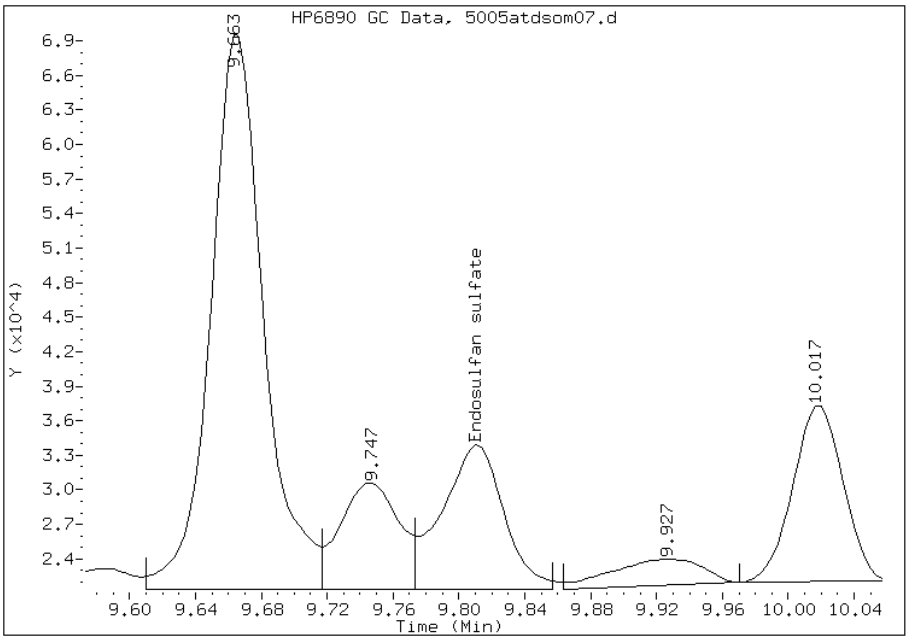
Manual Integration Results

RT: 9.81

Response: 12524

Amount: 0.001400

Conc: 0.001400



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom07.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 28-AUG-2013 10:48
Instrument ID: 5005_2.i
Client ID: TS004 (072413)
Compound: 22 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/29/2013

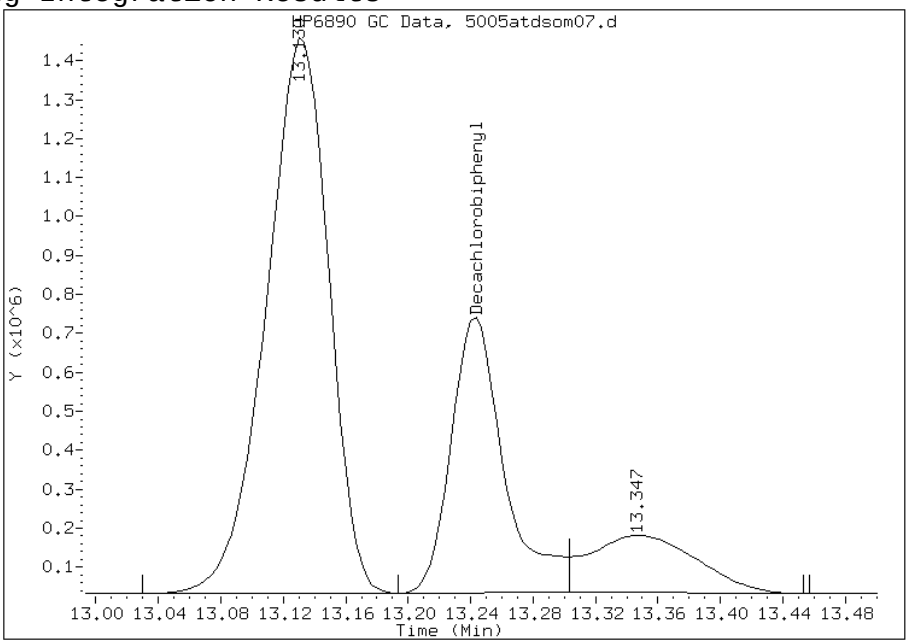
Processing Integration Results

RT: 13.24

Response: 707827

Amount: 0.087816

Conc: 0.087820



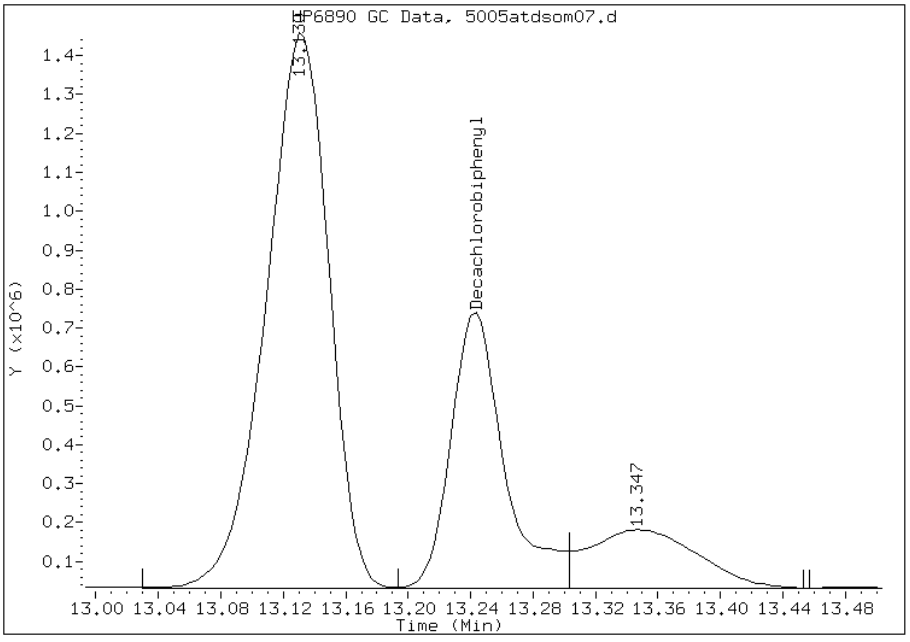
Manual Integration Results

RT: 13.24

Response: 710888

Amount: 0.088196

Conc: 0.088200



File Uploaded By: rrm
Manual Integration Reason: Baseline event

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 03/05/2013 03/05/2013

COMPOUND	RT OF STANDARDS					$\overline{RT}$	RT WINDOW*	
	CS1	CS2	CS3	CS4	CS5		FROM	TO
alpha-BHC	5.97	5.97	5.97	5.97	5.97	5.97	5.92	6.02
beta-BHC	6.46	6.46	6.46	6.46	6.46	6.46	6.41	6.51
delta-BHC	6.68	6.68	6.68	6.67	6.68	6.68	6.63	6.73
gamma-BHC (Lindane)	6.35	6.35	6.35	6.35	6.35	6.35	6.30	6.40
Heptachlor	6.95	6.95	6.95	6.95	6.95	6.95	6.90	7.00
Aldrin	7.35	7.34	7.34	7.34	7.34	7.34	7.29	7.39
Heptachlor epoxide	8.21	8.20	8.21	8.20	8.20	8.20	8.13	8.27
Endosulfan I	8.82	8.82	8.82	8.82	8.82	8.82	8.75	8.89
Dieldrin	9.21	9.21	9.21	9.21	9.21	9.21	9.14	9.28
4,4'-DDE	8.72	8.72	8.72	8.72	8.72	8.72	8.65	8.79
Endrin	9.61	9.61	9.61	9.61	9.61	9.61	9.54	9.68
Endosulfan II	10.01	10.01	10.01	10.01	10.01	10.01	9.94	10.08
4,4'-DDD	9.74	9.73	9.73	9.73	9.73	9.73	9.66	9.80
Endosulfan sulfate	11.61	11.61	11.61	11.61	11.61	11.61	11.54	11.68
4,4'-DDT	10.25	10.25	10.25	10.25	10.25	10.25	10.18	10.32
Methoxychlor	11.18	11.18	11.18	11.18	11.18	11.18	11.11	11.25
Endrin ketone	12.14	12.13	12.13	12.13	12.13	12.13	12.06	12.20
Endrin aldehyde	10.79	10.79	10.79	10.79	10.79	10.79	10.72	10.86
alpha-Chlordane	8.60	8.60	8.60	8.60	8.60	8.60	8.53	8.67
gamma-Chlordane	8.40	8.39	8.39	8.39	8.39	8.39	8.32	8.46
TCX (A)	5.26	5.25	5.25	5.25	5.25	5.25	5.20	5.30
DCB (A)	14.11	14.11	14.11	14.11	14.11	14.11	14.01	14.21
TCX (B)								
DCB (B)								

(A) Surrogate RTs are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate RTs are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

* RT windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide; ± 0.07 minutes for all other compounds (except ± 0.10 minutes for DCB).

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 08/16/2013 08/16/2013

COMPOUND	RT OF STANDARDS					$\overline{RT}$	RT WINDOW*	
	CS1	CS2	CS3	CS4	CS5		FROM	TO
alpha-BHC	5.79	5.79	5.79	5.79	5.79	5.79	5.74	5.84
beta-BHC	6.26	6.26	6.27	6.26	6.26	6.26	6.21	6.31
delta-BHC	6.47	6.47	6.48	6.47	6.47	6.47	6.42	6.52
gamma-BHC (Lindane)	6.16	6.16	6.16	6.16	6.16	6.16	6.11	6.21
Heptachlor	6.73	6.73	6.73	6.73	6.73	6.73	6.68	6.78
Aldrin	7.11	7.11	7.12	7.11	7.12	7.11	7.06	7.16
Heptachlor epoxide	7.95	7.95	7.95	7.95	7.95	7.95	7.88	8.02
Endosulfan I	8.54	8.54	8.54	8.54	8.54	8.54	8.47	8.61
Dieldrin	8.92	8.92	8.92	8.92	8.92	8.92	8.85	8.99
4,4'-DDE	8.45	8.45	8.46	8.45	8.45	8.45	8.38	8.52
Endrin	9.31	9.30	9.31	9.30	9.30	9.30	9.23	9.37
Endosulfan II	9.69	9.69	9.69	9.69	9.69	9.69	9.62	9.76
4,4'-DDD	9.43	9.43	9.44	9.43	9.43	9.43	9.36	9.50
Endosulfan sulfate	11.28	11.28	11.28	11.28	11.28	11.28	11.21	11.35
4,4'-DDT	9.94	9.93	9.94	9.93	9.94	9.94	9.87	10.01
Methoxychlor	10.87	10.87	10.87	10.87	10.87	10.87	10.80	10.94
Endrin ketone	11.80	11.80	11.81	11.80	11.80	11.80	11.73	11.87
Endrin aldehyde	10.46	10.46	10.46	10.46	10.46	10.46	10.39	10.53
alpha-Chlordane	8.33	8.33	8.33	8.33	8.33	8.33	8.26	8.40
gamma-Chlordane	8.13	8.13	8.13	8.13	8.13	8.13	8.06	8.20
TCX (A)	5.07	5.07	5.07	5.07	5.07	5.07	5.02	5.12
DCB (A)	13.80	13.80	13.80	13.79	13.80	13.80	13.70	13.90
TCX (B)								
DCB (B)								

(A) Surrogate RTs are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate RTs are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

* RT windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide; ± 0.07 minutes for all other compounds (except ± 0.10 minutes for DCB).

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 08/25/2013 08/25/2013

COMPOUND	RT OF STANDARDS					$\overline{RT}$	RT WINDOW*	
	CS1	CS2	CS3	CS4	CS5		FROM	TO
alpha-BHC	5.79	5.79	5.79	5.79	5.79	5.79	5.74	5.84
beta-BHC	6.27	6.26	6.27	6.26	6.26	6.26	6.21	6.31
delta-BHC	6.48	6.48	6.48	6.47	6.48	6.48	6.43	6.53
gamma-BHC (Lindane)	6.16	6.16	6.16	6.16	6.16	6.16	6.11	6.21
Heptachlor	6.74	6.73	6.74	6.73	6.73	6.73	6.68	6.78
Aldrin	7.12	7.12	7.12	7.12	7.12	7.12	7.07	7.17
Heptachlor epoxide	7.95	7.95	7.95	7.95	7.95	7.95	7.88	8.02
Endosulfan I	8.54	8.54	8.54	8.54	8.54	8.54	8.47	8.61
Dieldrin	8.92	8.92	8.92	8.92	8.92	8.92	8.85	8.99
4,4'-DDE	8.46	8.45	8.46	8.45	8.45	8.45	8.38	8.52
Endrin	9.31	9.31	9.31	9.31	9.31	9.31	9.24	9.38
Endosulfan II	9.69	9.69	9.69	9.69	9.69	9.69	9.62	9.76
4,4'-DDD	9.44	9.44	9.44	9.44	9.44	9.44	9.37	9.51
Endosulfan sulfate	11.28	11.28	11.28	11.28	11.28	11.28	11.21	11.35
4,4'-DDT	9.94	9.94	9.94	9.94	9.94	9.94	9.87	10.01
Methoxychlor	10.88	10.87	10.88	10.87	10.87	10.87	10.80	10.94
Endrin ketone	11.81	11.80	11.81	11.80	11.80	11.80	11.73	11.87
Endrin aldehyde	10.47	10.46	10.47	10.46	10.46	10.46	10.39	10.53
alpha-Chlordane	8.33	8.33	8.33	8.33	8.33	8.33	8.26	8.40
gamma-Chlordane	8.13	8.13	8.13	8.13	8.13	8.13	8.06	8.20
TCX (A)	5.07	5.07	5.07	5.07	5.07	5.07	5.02	5.12
DCB (A)	13.80	13.80	13.80	13.80	13.80	13.80	13.70	13.90
TCX (B)								
DCB (B)								

(A) Surrogate RTs are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate RTs are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

* RT windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide; ± 0.07 minutes for all other compounds (except ± 0.10 minutes for DCB).

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6J - FORM VI PEST-1
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLPII ID: 0.32 (mm) Date(s) Analyzed: 08/25/2013 08/25/2013

COMPOUND	RT OF STANDARDS					$\overline{RT}$	RT WINDOW*	
	CS1	CS2	CS3	CS4	CS5		FROM	TO
alpha-BHC	5.20	5.20	5.20	5.20	5.20	5.20	5.15	5.25
beta-BHC	5.72	5.71	5.72	5.71	5.71	5.71	5.66	5.76
delta-BHC	6.02	6.02	6.02	6.02	6.02	6.02	5.97	6.07
gamma-BHC (Lindane)	5.60	5.60	5.60	5.60	5.60	5.60	5.55	5.65
Heptachlor	6.05	6.05	6.05	6.05	6.05	6.05	6.00	6.10
Aldrin	6.39	6.39	6.39	6.39	6.39	6.39	6.34	6.44
Heptachlor epoxide	7.06	7.06	7.06	7.06	7.06	7.06	6.99	7.13
Endosulfan I	7.56	7.56	7.56	7.56	7.56	7.56	7.49	7.63
Dieldrin	7.94	7.94	7.94	7.94	7.94	7.94	7.87	8.01
4,4'-DDE	7.76	7.76	7.76	7.76	7.76	7.76	7.69	7.83
Endrin	8.39	8.39	8.39	8.38	8.38	8.38	8.32	8.46
Endosulfan II	8.73	8.73	8.73	8.73	8.73	8.73	8.66	8.80
4,4'-DDD	8.63	8.63	8.63	8.63	8.63	8.63	8.56	8.70
Endosulfan sulfate	9.81	9.81	9.81	9.81	9.81	9.81	9.74	9.88
4,4'-DDT	9.14	9.14	9.14	9.14	9.14	9.14	9.07	9.21
Methoxychlor	10.49	10.48	10.49	10.48	10.48	10.48	10.41	10.55
Endrin ketone	10.79	10.78	10.79	10.78	10.78	10.78	10.71	10.85
Endrin aldehyde	9.31	9.31	9.31	9.31	9.31	9.31	9.24	9.38
alpha-Chlordane	7.49	7.49	7.49	7.49	7.49	7.49	7.42	7.56
gamma-Chlordane	7.30	7.30	7.30	7.30	7.30	7.30	7.23	7.37
TCX (A)	4.40	4.40	4.40	4.40	4.40	4.40	4.35	4.45
DCB (A)	13.24	13.24	13.24	13.24	13.24	13.24	13.14	13.34
TCX (B)								
DCB (B)								

(A) Surrogate RTs are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate RTs are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

* RT windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide; ± 0.07 minutes for all other compounds (except ± 0.10 minutes for DCB).

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6K - FORM VI PEST-2
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 03/05/2013 03/05/2013

COMPOUND	CALIBRATION FACTORS (CFs)					% RSD
	CS1	CS2	CS3	CS4	CS5	
alpha-BHC	8096600.000	9936300.000	10201350.000	11715100.000	12417887.500	16.1
beta-BHC	4183400.000	3947900.000	4030700.000	4112475.000	4240875.000	2.9
delta-BHC	8702000.000	9059400.000	9940000.000	10672750.000	11075750.000	10.3
gamma-BHC (Lindane)	9153000.000	9560200.000	10250750.000	11042600.000	11448825.000	9.4
Heptachlor	8324200.000	8464600.000	8968700.000	9579550.000	9883637.500	7.5
Aldrin	8019400.000	8261700.000	8388750.000	9179825.000	9394400.000	7.0
Heptachlor epoxide	6928000.000	6976700.000	6977600.000	7444025.000	7363762.500	3.4
Endosulfan I	6247000.000	6249700.000	6173600.000	6555675.000	6517425.000	2.8
Dieldrin	6588300.000	6898500.000	6915475.000	7334475.000	7141212.500	4.0
4,4'-DDE	6921900.000	7156250.000	7252325.000	8015312.500	7861681.250	6.3
Endrin	5959400.000	6163700.000	6195400.000	6439575.000	6214506.250	2.8
Endosulfan II	5529800.000	5608750.000	5533375.000	5728687.500	5571200.000	1.5
4,4'-DDD	4693000.000	4997150.000	5100400.000	5585100.000	5497868.750	7.1
Endosulfan sulfate	4545200.000	4676600.000	4675125.000	4990587.500	4870181.250	3.7
4,4'-DDT	3895700.000	4417050.000	4695450.000	5218862.500	5408943.750	12.9
Methoxychlor	2373380.000	2408480.000	2370150.000	2343567.500	2224701.250	3.0
Endrin ketone	5619600.000	5847200.000	5853450.000	6140275.000	5874300.000	3.1
Endrin aldehyde	4554800.000	4577750.000	4468175.000	4600462.500	4427300.000	1.6
alpha-Chlordane	6720600.000	6679200.000	6695150.000	7194425.000	7308612.500	4.4
gamma-Chlordane	6768200.000	6824900.000	6995250.000	7562125.000	7741937.500	6.2
TCX (A)	6349400.000	6267500.000	6483350.000	6820375.000	7045837.500	5.0
DCB (A)	4969000.000	4929450.000	4829275.000	4994950.000	4986425.000	1.4
TCX (B)						
DCB (B)						

(A) Surrogate CFs and %RSD are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate CFs and %RSD are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6K - FORM VI PEST-2
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 08/16/2013 08/16/2013

COMPOUND	CALIBRATION FACTORS (CFs)					% RSD
	CS1	CS2	CS3	CS4	CS5	
alpha-BHC	15448200.000	17201600.000	16799900.000	19481900.000	20240775.000	11.1
beta-BHC	6153800.000	6179200.000	6232200.000	6641125.000	6710137.500	4.2
delta-BHC	13321600.000	14514500.000	15846400.000	17366550.000	17676250.000	11.8
gamma-BHC (Lindane)	14075000.000	15241300.000	16189150.000	17654050.000	18094575.000	10.3
Heptachlor	12343200.000	12951900.000	13177800.000	14314575.000	14341712.500	6.5
Aldrin	11544200.000	12383400.000	13360050.000	14314075.000	14464112.500	9.5
Heptachlor epoxide	9847000.000	10311300.000	10576800.000	11230075.000	11176887.500	5.5
Endosulfan I	8643400.000	8991600.000	9370700.000	9983625.000	9701062.500	5.7
Dieldrin	9183900.000	9893250.000	10400600.000	10754975.000	10313731.250	5.9
4,4'-DDE	9280600.000	10117600.000	10764725.000	11289650.000	11427600.000	8.4
Endrin	7972300.000	8609900.000	8872725.000	9176112.500	8747537.500	5.1
Endosulfan II	7347400.000	7551000.000	8074075.000	8181575.000	7913400.000	4.5
4,4'-DDD	6385500.000	6800100.000	7375025.000	7968500.000	8075368.750	10.0
Endosulfan sulfate	6098900.000	6356600.000	6726650.000	6912900.000	6843712.500	5.3
4,4'-DDT	5576900.000	5905350.000	6481025.000	7206962.500	7311112.500	11.8
Methoxychlor	2988420.000	2892600.000	2848370.000	2833447.500	2662170.000	4.2
Endrin ketone	7937200.000	8128200.000	8328100.000	8243200.000	7981993.750	2.1
Endrin aldehyde	6086400.000	6212800.000	6257850.000	6490350.000	6238443.750	2.3
alpha-Chlordane	9221800.000	9642400.000	10166750.000	10894775.000	11386112.500	8.6
gamma-Chlordane	9504800.000	10110400.000	10751900.000	11810300.000	11929812.500	9.7
TCX (A)	9366200.000	9559200.000	9635800.000	10543850.000	10774725.000	6.4
DCB (A)	6424700.000	6429300.000	6602875.000	6873025.000	6945856.250	3.7
TCX (B)						
DCB (B)						

(A) Surrogate CFs and %RSD are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate CFs and %RSD are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6K - FORM VI PEST-2
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLP ID: 0.32 (mm) Date(s) Analyzed: 08/25/2013 08/25/2013

COMPOUND	CALIBRATION FACTORS (CFs)					% RSD
	CS1	CS2	CS3	CS4	CS5	
alpha-BHC	17528200.000	17300100.000	23257300.000	24225725.000	23693762.500	16.4
beta-BHC	7545200.000	7262000.000	7748900.000	8145975.000	8157362.500	5.0
delta-BHC	16652400.000	17734900.000	19749850.000	20994200.000	21544962.500	10.8
gamma-BHC (Lindane)	17290000.000	18586500.000	20271750.000	22093450.000	21839050.000	10.4
Heptachlor	15861800.000	16290500.000	16605400.000	18689850.000	17879825.000	6.9
Aldrin	15249400.000	15673300.000	17164050.000	18165275.000	17895437.500	7.8
Heptachlor epoxide	12652400.000	12969500.000	13688950.000	14198175.000	13783500.000	4.7
Endosulfan I	11377600.000	11370600.000	12125550.000	12552775.000	11985200.000	4.3
Dieldrin	11902000.000	12424600.000	13359250.000	13384875.000	12849593.750	5.0
4,4'-DDE	12575300.000	13352750.000	14740575.000	15366550.000	15223400.000	8.6
Endrin	10712300.000	11147550.000	11684200.000	11780050.000	11136293.750	3.9
Endosulfan II	9225500.000	9557450.000	9996925.000	9984437.500	9696218.750	3.3
4,4'-DDD	8249000.000	8905750.000	9600100.000	10100200.000	10162993.750	8.7
Endosulfan sulfate	8146200.000	8519950.000	8762375.000	8847525.000	8553050.000	3.2
4,4'-DDT	7262300.000	7921500.000	8788675.000	9349225.000	9670112.500	11.6
Methoxychlor	3701060.000	3724620.000	3638825.000	3485782.500	3400670.000	3.9
Endrin ketone	9578900.000	9885050.000	10105575.000	10125075.000	9721693.750	2.4
Endrin aldehyde	7662700.000	7754550.000	8052575.000	7887762.500	7580175.000	2.4
alpha-Chlordane	12038400.000	12508600.000	13341550.000	14446900.000	14489300.000	8.3
gamma-Chlordane	12403800.000	13019700.000	14073450.000	15002925.000	15393462.500	9.1
TCX (A)	11478600.000	11526500.000	12475300.000	13263275.000	13026925.000	6.7
DCB (A)	7962700.000	7710500.000	8431000.000	8565975.000	8820375.000	5.5
TCX (B)						
DCB (B)						

(A) Surrogate CFs and %RSD are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate CFs and %RSD are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6K - FORM VI PEST-2
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5005_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-CLPII ID: 0.32 (mm) Date(s) Analyzed: 08/25/2013 08/25/2013

COMPOUND	CALIBRATION FACTORS (CFs)					% RSD
	CS1	CS2	CS3	CS4	CS5	
alpha-BHC	20737000.000	21825700.000	24410850.000	25704975.000	25244225.000	9.3
beta-BHC	8421000.000	8225000.000	8777050.000	9164525.000	9183587.500	4.9
delta-BHC	20406800.000	21775600.000	24032000.000	25567100.000	25283275.000	9.6
gamma-BHC (Lindane)	19092800.000	20470400.000	21726000.000	23737325.000	23752825.000	9.4
Heptachlor	17968800.000	18606600.000	20043000.000	20824125.000	19970037.500	6.0
Aldrin	16988000.000	17810900.000	19399950.000	20240200.000	19851462.500	7.4
Heptachlor epoxide	14190000.000	14591300.000	15086250.000	15999025.000	15277650.000	4.6
Endosulfan I	12548400.000	12589300.000	13343950.000	13758550.000	13306987.500	4.0
Dieldrin	13275500.000	13835250.000	14421725.000	14607925.000	13744431.250	3.9
4,4'-DDE	13945800.000	14664000.000	15648300.000	16310175.000	16132050.000	6.6
Endrin	11171000.000	11678100.000	12287475.000	12347325.000	11455475.000	4.4
Endosulfan II	10354600.000	10670100.000	11029375.000	10992637.500	10412406.250	2.9
4,4'-DDD	9309600.000	10040650.000	10312250.000	10975312.500	10751318.750	6.4
Endosulfan sulfate	8500600.000	8827650.000	9117350.000	9402250.000	8867262.500	3.8
4,4'-DDT	8279300.000	8602050.000	9663725.000	10013125.000	10054031.250	8.9
Methoxychlor	3878540.000	3863830.000	3803210.000	3615352.500	3440990.000	5.1
Endrin ketone	10087200.000	10237250.000	10296625.000	10256050.000	9676850.000	2.5
Endrin aldehyde	8491100.000	8505250.000	8792650.000	8537300.000	8047650.000	3.2
alpha-Chlordane	13468200.000	13423400.000	14734600.000	15537425.000	15234125.000	6.8
gamma-Chlordane	13661000.000	14321400.000	15355750.000	16288150.000	16474550.000	8.0
TCX (A)	11308400.000	11460100.000	12167450.000	12787950.000	12743625.000	5.7
DCB (A)	7793900.000	7910950.000	8166950.000	8198087.500	8231593.750	2.4
TCX (B)						
DCB (B)						

(A) Surrogate CFs and %RSD are measured from Standard Mixture A if two mixtures are used or from Standard Mixture C if one mixture is used.

(B) Surrogate CFs and %RSD are measured from Standard Mixture B if two mixtures are used. Leave entries blank if Standard Mixture C is used.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6L - FORM VI PEST-3
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 03/05/2013 03/05/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMPOUND	PEAK[1]	RT OF STANDARDS						RT WINDOW	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
Toxaphene	1	10.12	10.12	10.12	10.12	10.12	10.12	10.05	10.19
	2	10.75	10.75	10.75	10.75	10.75	10.75	10.68	10.82
	3	11.42	11.42	11.42	11.42	11.42	11.42	11.35	11.49
	4	11.52	11.52	11.52	11.52	11.52	11.52	11.45	11.59
	5	12.10	12.10	12.10	12.10	12.10	12.10	12.03	12.17

[1]At least three peaks for each column are required for identification of Toxaphene.

6L - FORM VI PEST-3
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 08/16/2013 08/16/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMPOUND	PEAK[1]	RT OF STANDARDS						RT WINDOW	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
Toxaphene	1	9.81	9.80	9.80	9.81	9.80	9.80	9.73	9.87
	2	10.43	10.43	10.43	10.43	10.43	10.43	10.36	10.50
	3	11.09	11.09	11.09	11.09	11.09	11.09	11.02	11.16
	4	11.77	11.77	11.77	11.77	11.77	11.77	11.70	11.84
	5	12.07	12.07	12.07	12.07	12.07	12.07	12.00	12.14

[1]At least three peaks for each column are required for identification of Toxaphene.

6L - FORM VI PEST-3
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 08/25/2013 08/25/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMPOUND	PEAK[1]	RT OF STANDARDS						RT WINDOW	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
Toxaphene	1	9.80	9.80	9.80	9.80	9.80	9.80	9.73	9.87
	2	10.43	10.43	10.43	10.43	10.43	10.43	10.36	10.50
	3	11.09	11.09	11.09	11.09	11.09	11.09	11.02	11.16
	4	11.77	11.77	11.77	11.77	11.77	11.77	11.70	11.84
	5	12.07	12.07	12.07	12.07	12.07	12.07	12.00	12.14

Instrument ID (2): 5005_2.i Date(s) Analyzed (2): 08/25/2013 08/25/2013

GC Column (2): RTX-CLPII ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMPOUND	PEAK[1]	RT OF STANDARDS						RT WINDOW	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
Toxaphene	1	7.91	7.91	7.91	7.91	7.91	7.91	7.84	7.98
	2	8.80	8.80	8.80	8.80	8.80	8.80	8.73	8.87
	3	8.86	8.87	8.86	8.87	8.87	8.87	8.80	8.94
	4	9.17	9.18	9.17	9.18	9.18	9.18	9.11	9.25
	5	9.45	9.45	9.45	9.45	9.45	9.45	9.38	9.52

[1]At least three peaks for each column are required for identification of Toxaphene.

6M - FORM VI PEST-4
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 03/05/2013 03/05/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs) STANDARDS					%RSD
		CS1	CS2	CS3	CS4	CS5	
Toxaphene	1	120922.000	128069.000	144897.500	153495.750	158896.625	11.5
	2	126052.000	132897.000	146636.000	165449.250	166200.125	12.4
	3	164214.000	172524.000	188812.000	206684.500	205216.875	10.2
	4	146144.000	158864.000	177823.500	196817.250	197295.125	13.0
	5	95382.000	101354.000	111804.500	124241.000	126047.625	12.1

[1]At least three peaks for each column are required for identification of Toxaphene.

6M - FORM VI PEST-4
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 08/16/2013 08/16/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs) STANDARDS					%RSD
		CS1	CS2	CS3	CS4	CS5	
Toxaphene	1	169038.000	175547.000	190580.500	195683.250	197894.500	6.9
	2	164152.000	169435.000	186733.000	193984.250	195278.375	7.9
	3	216114.000	222000.000	237356.000	245778.750	248492.625	6.1
	4	116556.000	121434.000	132774.500	138312.750	146027.500	9.2
	5	87934.000	95321.000	111289.000	123745.000	128873.125	16.1

[1]At least three peaks for each column are required for identification of Toxaphene.

6M - FORM VI PEST-4
TOXAPHENE INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID (1): 5005_1.i Date(s) Analyzed (1): 08/25/2013 08/25/2013

GC Column (1): RTX-CLP ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs) STANDARDS					%RSD
		CS1	CS2	CS3	CS4	CS5	
Toxaphene	1	210762.000	223657.000	242659.000	244550.500	235310.875	6.1
	2	209742.000	223003.000	243726.500	248648.000	235469.875	6.8
	3	275072.000	286432.000	318338.500	315228.250	296215.250	6.2
	4	152808.000	162281.000	176330.500	183105.750	173512.375	7.1
	5	123450.000	135150.000	151538.000	161158.000	159820.375	11.2

Instrument ID (2): 5005_2.i Date(s) Analyzed (2): 08/25/2013 08/25/2013

GC Column (2): RTX-CLPII ID: 0.32 (mm)

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs) STANDARDS					%RSD
		CS1	CS2	CS3	CS4	CS5	
Toxaphene	1	87558.000	85011.000	91254.500	89196.000	87117.250	2.7
	2	106182.000	107232.000	114069.500	114675.250	109184.875	3.5
	3	370766.000	389172.000	417666.000	409528.750	373743.625	5.3
	4	136344.000	140381.000	150274.000	151751.250	142161.000	4.6
	5	213738.000	219190.000	238191.000	236746.500	226489.375	4.7

[1]At least three peaks for each column are required for identification of Toxaphene.

6R - FORM VI PEST-5
PESTICIDE RESOLUTION CHECK SUMMARY
COLUMN 1

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (RESC##): RESCFA Lab Sample ID (1): RESC 200-52735/2

Date Analyzed (1): 03/05/2013 Time Analyzed (1): 1700

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.25	100.0
02	alpha-BHC	5.97	100.0
03	gamma-BHC (Lindane)	6.35	100.0
04	beta-BHC	6.46	100.0
05	delta-BHC	6.68	100.0
06	Heptachlor	6.95	100.0
07	Aldrin	7.34	100.0
08	Heptachlor epoxide	8.20	100.0
09	gamma-Chlordane	8.39	100.0
10	alpha-Chlordane	8.60	100.0
11	4,4'-DDE	8.72	99.2
12	Endosulfan I	8.82	100.0
13	Dieldrin	9.21	100.0
14	Endrin	9.61	100.0
15	4,4'-DDD	9.73	100.0
16	Endosulfan II	10.01	100.0
17	4,4'-DDT	10.25	100.0
18	Endrin aldehyde	10.79	100.0
19	Methoxychlor	11.18	100.0
20	Endosulfan sulfate	11.61	100.0
21	Endrin ketone	12.13	100.0
22	Decachlorobiphenyl	14.11	

6R - FORM VI PEST-5
PESTICIDE RESOLUTION CHECK SUMMARY
COLUMN 1

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (RESC##): RESCA1 Lab Sample ID (1): RESC 200-59959/4

Date Analyzed (1): 08/16/2013 Time Analyzed (1): 1838

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.26	100.0
05	delta-BHC	6.47	100.0
06	Heptachlor	6.73	100.0
07	Aldrin	7.12	100.0
08	Heptachlor epoxide	7.95	100.0
09	gamma-Chlordane	8.13	100.0
10	alpha-Chlordane	8.33	100.0
11	4,4'-DDE	8.45	96.8
12	Endosulfan I	8.54	100.0
13	Dieldrin	8.92	100.0
14	Endrin	9.31	100.0
15	4,4'-DDD	9.44	100.0
16	Endosulfan II	9.69	100.0
17	4,4'-DDT	9.94	100.0
18	Endrin aldehyde	10.46	100.0
19	Methoxychlor	10.87	100.0
20	Endosulfan sulfate	11.28	100.0
21	Endrin ketone	11.80	100.0
22	Decachlorobiphenyl	13.80	

6R - FORM VI PEST-5
PESTICIDE RESOLUTION CHECK SUMMARY
COLUMN 1

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (RESC##): RESCD1 Lab Sample ID (1): RESC 200-60388/2

Date Analyzed (1): 08/25/2013 Time Analyzed (1): 1826

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	delta-BHC	6.48	100.0
06	Heptachlor	6.73	100.0
07	Aldrin	7.12	100.0
08	Heptachlor epoxide	7.95	100.0
09	gamma-Chlordane	8.13	100.0
10	alpha-Chlordane	8.33	100.0
11	4,4'-DDE	8.45	96.7
12	Endosulfan I	8.54	100.0
13	Dieldrin	8.92	100.0
14	Endrin	9.31	100.0
15	4,4'-DDD	9.44	100.0
16	Endosulfan II	9.69	100.0
17	4,4'-DDT	9.94	100.0
18	Endrin aldehyde	10.46	100.0
19	Methoxychlor	10.87	100.0
20	Endosulfan sulfate	11.28	100.0
21	Endrin ketone	11.80	100.0
22	Decachlorobiphenyl	13.80	

6T - FORM VI PEST-5
PESTICIDE RESOLUTION CHECK SUMMARY
COLUMN 2

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (RESC##): RESCD1 Lab Sample ID (2): RESC 200-60388/2

Date Analyzed (2): 08/25/2013 Time Analyzed (2): 1826

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.71	100.0
05	delta-BHC	6.02	87.3
06	Heptachlor	6.05	100.0
07	Aldrin	6.39	100.0
08	Heptachlor epoxide	7.06	100.0
09	gamma-Chlordane	7.30	100.0
10	alpha-Chlordane	7.49	99.2
11	Endosulfan I	7.56	100.0
12	4,4'-DDE	7.76	100.0
13	Dieldrin	7.94	100.0
14	Endrin	8.38	100.0
15	4,4'-DDD	8.63	100.0
16	Endosulfan II	8.73	100.0
17	4,4'-DDT	9.14	100.0
18	Endrin aldehyde	9.31	100.0
19	Endosulfan sulfate	9.81	100.0
20	Methoxychlor	10.48	100.0
21	Endrin ketone	10.78	100.0
22	Decachlorobiphenyl	13.24	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (INDC3##): INDC3FA Lab Sample ID (1): ICRTAV 200-52735/11

Date Analyzed (1): 03/05/2013 Time Analyzed (1): 2026

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.25	100.0
02	alpha-BHC	5.97	100.0
03	gamma-BHC (Lindane)	6.35	100.0
04	beta-BHC	6.46	100.0
05	delta-BHC	6.68	100.0
06	Heptachlor	6.95	100.0
07	Aldrin	7.34	100.0
08	Heptachlor epoxide	8.21	100.0
09	gamma-Chlordane	8.39	100.0
10	alpha-Chlordane	8.60	100.0
11	4,4'-DDE	8.72	99.1
12	Endosulfan I	8.82	100.0
13	Dieldrin	9.21	100.0
14	Endrin	9.61	100.0
15	4,4'-DDD	9.73	100.0
16	Endosulfan II	10.01	100.0
17	4,4'-DDT	10.25	100.0
18	Endrin aldehyde	10.79	100.0
19	Methoxychlor	11.18	100.0
20	Endosulfan sulfate	11.61	100.0
21	Endrin ketone	12.13	100.0
22	Decachlorobiphenyl	14.11	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (INDC3##): INDC3A1 Lab Sample ID (1): ICRTAV 200-59959/13

Date Analyzed (1): 08/16/2013 Time Analyzed (1): 2201

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	delta-BHC	6.48	100.0
06	Heptachlor	6.73	100.0
07	Aldrin	7.12	100.0
08	Heptachlor epoxide	7.95	100.0
09	gamma-Chlordane	8.13	100.0
10	alpha-Chlordane	8.33	100.0
11	4,4'-DDE	8.46	96.7
12	Endosulfan I	8.54	100.0
13	Dieldrin	8.92	100.0
14	Endrin	9.31	100.0
15	4,4'-DDD	9.44	100.0
16	Endosulfan II	9.69	100.0
17	4,4'-DDT	9.94	100.0
18	Endrin aldehyde	10.46	100.0
19	Methoxychlor	10.87	100.0
20	Endosulfan sulfate	11.28	100.0
21	Endrin ketone	11.81	100.0
22	Decachlorobiphenyl	13.80	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (INDC3##): INDC3D1 Lab Sample ID (1): ICRTAV 200-60388/11

Date Analyzed (1): 08/25/2013 Time Analyzed (1): 2150

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	delta-BHC	6.48	100.0
06	Heptachlor	6.74	100.0
07	Aldrin	7.12	100.0
08	Heptachlor epoxide	7.95	100.0
09	gamma-Chlordane	8.13	100.0
10	alpha-Chlordane	8.33	100.0
11	4,4'-DDE	8.46	97.5
12	Endosulfan I	8.54	100.0
13	Dieldrin	8.92	100.0
14	Endrin	9.31	100.0
15	4,4'-DDD	9.44	100.0
16	Endosulfan II	9.69	100.0
17	4,4'-DDT	9.94	100.0
18	Endrin aldehyde	10.47	100.0
19	Methoxychlor	10.88	100.0
20	Endosulfan sulfate	11.28	100.0
21	Endrin ketone	11.81	100.0
22	Decachlorobiphenyl	13.80	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (INDC3##): INDC3D1 Lab Sample ID (2): ICRTAV 200-60388/11

Date Analyzed (2): 08/25/2013 Time Analyzed (2): 2150

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.72	100.0
05	delta-BHC	6.02	87.5
06	Heptachlor	6.05	100.0
07	Aldrin	6.39	100.0
08	Heptachlor epoxide	7.06	100.0
09	gamma-Chlordane	7.30	100.0
10	alpha-Chlordane	7.49	98.3
11	Endosulfan I	7.56	100.0
12	4,4'-DDE	7.76	100.0
13	Dieldrin	7.94	100.0
14	Endrin	8.39	100.0
15	4,4'-DDD	8.63	100.0
16	Endosulfan II	8.73	100.0
17	4,4'-DDT	9.14	100.0
18	Endrin aldehyde	9.31	100.0
19	Endosulfan sulfate	9.81	100.0
20	Methoxychlor	10.49	100.0
21	Endrin ketone	10.79	100.0
22	Decachlorobiphenyl	13.24	

6U - FORM VI PEST-6
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMFA Lab Sample ID (1): PEM 200-52735/3

Date Analyzed (1): 03/05/2013 Time Analyzed (1): 1723

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.26	100.0
02	alpha-BHC	5.97	100.0
03	gamma-BHC (Lindane)	6.35	100.0
04	beta-BHC	6.45	100.0
05	Endrin	9.61	100.0
06	4,4'-DDT	10.24	100.0
07	Methoxychlor	11.18	100.0
08	Decachlorobiphenyl	14.11	

6U - FORM VI PEST-6
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMFB Lab Sample ID (1): PEM 200-52735/15

Date Analyzed (1): 03/05/2013 Time Analyzed (1): 2158

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.25	100.0
02	alpha-BHC	5.97	100.0
03	gamma-BHC (Lindane)	6.35	100.0
04	beta-BHC	6.46	100.0
05	Endrin	9.61	100.0
06	4,4'-DDT	10.25	100.0
07	Methoxychlor	11.18	100.0
08	Decachlorobiphenyl	14.11	

6U - FORM VI PEST-6
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMA1 Lab Sample ID (1): PEM 200-59959/5

Date Analyzed (1): 08/16/2013 Time Analyzed (1): 1901

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	Endrin	9.31	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.87	100.0
08	Decachlorobiphenyl	13.80	

6U - FORM VI PEST-6
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMA2 Lab Sample ID (1): PEM 200-59959/17

Date Analyzed (1): 08/16/2013 Time Analyzed (1): 2332

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.26	100.0
05	Endrin	9.30	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.87	100.0
08	Decachlorobiphenyl	13.80	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMD1 Lab Sample ID (1): PEM 200-60388/3

Date Analyzed (1): 08/25/2013 Time Analyzed (1): 1849

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	Endrin	9.31	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.87	100.0
08	Decachlorobiphenyl	13.80	

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (PEM##): PEMD1 Lab Sample ID (2): PEM 200-60388/3

Date Analyzed (2): 08/25/2013 Time Analyzed (2): 1849

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.72	100.0
05	Endrin	8.38	100.0
06	4,4'-DDT	9.14	100.0
07	Methoxychlor	10.48	100.0
08	Decachlorobiphenyl	13.24	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMD2 Lab Sample ID (1): PEM 200-60388/15

Date Analyzed (1): 08/25/2013 Time Analyzed (1): 2320

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	Endrin	9.31	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.87	100.0
08	Decachlorobiphenyl	13.80	

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (PEM##): PEMD2 Lab Sample ID (2): PEM 200-60388/15

Date Analyzed (2): 08/25/2013 Time Analyzed (2): 2320

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.72	100.0
05	Endrin	8.38	100.0
06	4,4'-DDT	9.14	100.0
07	Methoxychlor	10.48	100.0
08	Decachlorobiphenyl	13.24	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMD6 Lab Sample ID (1): PEM 200-60479/2

Date Analyzed (1): 08/28/2013 Time Analyzed (1): 0917

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	Endrin	9.31	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.88	100.0
08	Decachlorobiphenyl	13.80	

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (PEM##): PEMD6 Lab Sample ID (2): PEM 200-60479/2

Date Analyzed (2): 08/28/2013 Time Analyzed (2): 0917

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.72	100.0
05	Endrin	8.39	100.0
06	4,4'-DDT	9.14	100.0
07	Methoxychlor	10.48	100.0
08	Decachlorobiphenyl	13.24	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (PEM##): PEMD7 Lab Sample ID (1): PEM 200-60479/13

Date Analyzed (1): 08/28/2013 Time Analyzed (1): 1916

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	Endrin	9.31	100.0
06	4,4'-DDT	9.94	100.0
07	Methoxychlor	10.88	100.0
08	Decachlorobiphenyl	13.80	

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (PEM##): PEMD7 Lab Sample ID (2): PEM 200-60479/13

Date Analyzed (2): 08/28/2013 Time Analyzed (2): 1916

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.60	100.0
04	beta-BHC	5.71	100.0
05	Endrin	8.38	100.0
06	4,4'-DDT	9.14	100.0
07	Methoxychlor	10.48	100.0
08	Decachlorobiphenyl	13.24	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (INDC3##): INDC3FB Lab Sample ID (1): CCV 200-52735/20

Date Analyzed (1): 03/05/2013 Time Analyzed (1): 2352

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.25	100.0
02	alpha-BHC	5.97	100.0
03	gamma-BHC (Lindane)	6.35	100.0
04	beta-BHC	6.46	100.0
05	delta-BHC	6.68	100.0
06	Heptachlor	6.95	100.0
07	Aldrin	7.34	100.0
08	Heptachlor epoxide	8.20	100.0
09	gamma-Chlordane	8.39	100.0
10	alpha-Chlordane	8.60	100.0
11	4,4'-DDE	8.72	99.2
12	Endosulfan I	8.82	100.0
13	Dieldrin	9.21	100.0
14	Endrin	9.61	100.0
15	4,4'-DDD	9.73	100.0
16	Endosulfan II	10.01	100.0
17	4,4'-DDT	10.25	100.0
18	Endrin aldehyde	10.79	100.0
19	Methoxychlor	11.18	100.0
20	Endosulfan sulfate	11.61	100.0
21	Endrin ketone	12.13	100.0
22	Decachlorobiphenyl	14.11	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (1): RTX-CLP ID: 0.32 (mm) Instrument ID (1): 5005_1.i

EPA Sample No. (INDC3##): INDC3D6 Lab Sample ID (1): CCV 200-60479/8

Date Analyzed (1): 08/28/2013 Time Analyzed (1): 1141

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.07	100.0
02	alpha-BHC	5.79	100.0
03	gamma-BHC (Lindane)	6.16	100.0
04	beta-BHC	6.27	100.0
05	delta-BHC	6.48	100.0
06	Heptachlor	6.74	100.0
07	Aldrin	7.12	100.0
08	Heptachlor epoxide	7.95	100.0
09	gamma-Chlordane	8.13	100.0
10	alpha-Chlordane	8.33	100.0
11	4,4'-DDE	8.46	97.6
12	Endosulfan I	8.54	100.0
13	Dieldrin	8.92	100.0
14	Endrin	9.31	100.0
15	4,4'-DDD	9.44	100.0
16	Endosulfan II	9.70	100.0
17	4,4'-DDT	9.94	100.0
18	Endrin aldehyde	10.47	100.0
19	Methoxychlor	10.88	100.0
20	Endosulfan sulfate	11.29	100.0
21	Endrin ketone	11.81	100.0
22	Decachlorobiphenyl	13.80	

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column (2): RTX-CLPII ID: 0.32 (mm) Instrument ID (2): 5005_2.i

EPA Sample No. (INDC3##): INDC3D6 Lab Sample ID (2): CCV 200-60479/8

Date Analyzed (2): 08/28/2013 Time Analyzed (2): 1141

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.40	100.0
02	alpha-BHC	5.20	100.0
03	gamma-BHC (Lindane)	5.61	100.0
04	beta-BHC	5.72	100.0
05	delta-BHC	6.02	87.0
06	Heptachlor	6.05	100.0
07	Aldrin	6.39	100.0
08	Heptachlor epoxide	7.07	100.0
09	gamma-Chlordane	7.30	100.0
10	alpha-Chlordane	7.49	99.2
11	Endosulfan I	7.56	100.0
12	4,4'-DDE	7.76	100.0
13	Dieldrin	7.94	100.0
14	Endrin	8.39	100.0
15	4,4'-DDD	8.63	100.0
16	Endosulfan II	8.73	100.0
17	4,4'-DDT	9.14	100.0
18	Endrin aldehyde	9.31	100.0
19	Endosulfan sulfate	9.81	100.0
20	Methoxychlor	10.49	100.0
21	Endrin ketone	10.79	100.0
22	Decachlorobiphenyl	13.24	

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/05/2013 03/05/2013

EPA Sample No.(PIBLK##): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM##): PEMFA Date Analyzed: 03/05/2013

Lab Sample ID (PEM): PEM 200-52735/3 Time Analyzed: 1723

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.97	5.92	6.02	0.009	0.010	-10.5
beta-BHC	6.45	6.41	6.51	0.009	0.010	-7.1
gamma-BHC (Lindane)	6.35	6.30	6.40	0.009	0.010	-12.7
Endrin	9.61	9.54	9.68	0.049	0.050	-1.1
4,4'-DDT	10.24	10.18	10.32	0.110	0.100	11.7
Methoxychlor	11.18	11.11	11.25	0.260	0.250	3.0
TCX	5.26	5.20	5.30	0.019	0.020	-7.4
DCB	14.11	14.01	14.21	0.019	0.020	-3.9

4,4'-DDT %Breakdown (1): 0.69 Endrin %Breakdown (1): 3.48

Combined %Breakdown (1): 4.18

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/05/2013 03/05/2013

EPA Sample No.(PIBLK##): PIBLKFD Date Analyzed: 03/05/2013

Lab Sample ID (PIBLK): PIBLK 200-52735/14 Time Analyzed: 2135

EPA Sample No.(PEM##): PEMFB Date Analyzed: 03/05/2013

Lab Sample ID (PEM): PEM 200-52735/15 Time Analyzed: 2158

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.97	5.92	6.02	0.010	0.010	-3.3
beta-BHC	6.46	6.41	6.51	0.010	0.010	-2.3
gamma-BHC (Lindane)	6.35	6.30	6.40	0.009	0.010	-7.3
Endrin	9.61	9.54	9.68	0.051	0.050	1.5
4,4'-DDT	10.25	10.18	10.32	0.110	0.100	12.6
Methoxychlor	11.18	11.11	11.25	0.260	0.250	2.5
TCX	5.25	5.20	5.30	0.020	0.020	-1.7
DCB	14.11	14.01	14.21	0.019	0.020	-3.0

4,4'-DDT %Breakdown (1): 0.76 Endrin %Breakdown (1): 3.65

Combined %Breakdown (1): 4.41

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7L - FORM VII PEST-3
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/05/2013 03/05/2013

EPA Sample No.(PIBLK##): PIBLKFE Date Analyzed: 03/05/2013

Lab Sample ID (PIBLK): PIBLK 200-52735/19 Time Analyzed: 2329

EPA Sample No.(INDC##): INDC3FB Date Analyzed: 03/05/2013

Lab Sample ID (INDC): CCV 200-52735/20 Time Analyzed: 2352

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
alpha-BHC	5.97	5.92	6.02	10473447.500	10169700.000	-2.9
gamma-BHC (Lindane)	6.35	6.30	6.40	10291075.000	10042000.000	-2.4
Heptachlor	6.95	6.90	7.00	9044137.500	8808650.000	-2.6
Endosulfan I	8.82	8.75	8.89	6348680.000	5973750.000	-5.9
Dieldrin	9.21	9.14	9.28	6975592.500	6586425.000	-5.6
Endrin	9.61	9.54	9.68	6194516.250	5943150.000	-4.1
4,4'-DDD	9.73	9.66	9.80	5174703.750	4996025.000	-3.5
4,4'-DDT	10.25	10.18	10.32	4727201.250	4774150.000	1.0
Methoxychlor	11.18	11.11	11.25	2344055.750	2377785.000	1.4
beta-BHC	6.46	6.41	6.51	4103070.000	3863250.000	-5.8
delta-BHC	6.68	6.63	6.73	9889980.000	9419500.000	-4.8
Aldrin	7.34	7.29	7.39	8648815.000	8103750.000	-6.3
Heptachlor epoxide	8.20	8.13	8.27	7138017.500	6659700.000	-6.7
4,4'-DDE	8.72	8.65	8.79	7441493.750	6978125.000	-6.2
Endosulfan II	10.01	9.94	10.08	5594362.500	5444450.000	-2.7
Endosulfan sulfate	11.61	11.54	11.68	4751538.750	4728425.000	-0.5
Endrin ketone	12.13	12.06	12.20	5866965.000	5915050.000	0.8
Endrin aldehyde	10.79	10.72	10.86	4525697.500	4374150.000	-3.3
alpha-Chlordane	8.60	8.53	8.67	6919597.500	6417150.000	-7.3
gamma-Chlordane	8.39	8.32	8.46	7178482.500	6683150.000	-6.9
TCX	5.25	5.20	5.30	6593292.500	6270950.000	-4.9
DCB	14.11	14.01	14.21	4941820.000	4541375.000	-8.1

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/16/2013 08/16/2013

EPA Sample No.(PIBLK##): PIBLKA3 Date Analyzed: 08/16/2013

Lab Sample ID (PIBLK): PIBLK 200-59959/3 Time Analyzed: 1815

EPA Sample No.(PEM##): PEMA1 Date Analyzed: 08/16/2013

Lab Sample ID (PEM): PEM 200-59959/5 Time Analyzed: 1901

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.010	0.010	-3.9
beta-BHC	6.27	6.21	6.31	0.010	0.010	-1.2
gamma-BHC (Lindane)	6.16	6.11	6.21	0.010	0.010	-3.7
Endrin	9.31	9.23	9.37	0.052	0.050	3.1
4,4'-DDT	9.94	9.87	10.01	0.110	0.100	11.0
Methoxychlor	10.87	10.80	10.94	0.260	0.250	2.4
TCX	5.07	5.02	5.12	0.020	0.020	0.7
DCB	13.80	13.70	13.90	0.020	0.020	-2.0

4,4'-DDT %Breakdown (1): 0.95 Endrin %Breakdown (1): 3.23

Combined %Breakdown (1): 4.18

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/16/2013 08/16/2013

EPA Sample No.(PIBLK##): PIBLKA4 Date Analyzed: 08/16/2013

Lab Sample ID (PIBLK): PIBLK 200-59959/16 Time Analyzed: 2309

EPA Sample No.(PEM##): PEMA2 Date Analyzed: 08/16/2013

Lab Sample ID (PEM): PEM 200-59959/17 Time Analyzed: 2332

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.009	0.010	-6.1
beta-BHC	6.26	6.21	6.31	0.010	0.010	-0.7
gamma-BHC (Lindane)	6.16	6.11	6.21	0.010	0.010	-4.3
Endrin	9.30	9.23	9.37	0.052	0.050	4.4
4,4'-DDT	9.94	9.87	10.01	0.110	0.100	12.3
Methoxychlor	10.87	10.80	10.94	0.260	0.250	2.9
TCX	5.07	5.02	5.12	0.020	0.020	1.2
DCB	13.80	13.70	13.90	0.020	0.020	-1.1

4,4'-DDT %Breakdown (1): 1.31 Endrin %Breakdown (1): 3.50

Combined %Breakdown (1): 4.80

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM##): PEMD1 Date Analyzed: 08/25/2013

Lab Sample ID (PEM): PEM 200-60388/3 Time Analyzed: 1849

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.009	0.010	-12.4
beta-BHC	6.27	6.21	6.31	0.009	0.010	-12.4
gamma-BHC (Lindane)	6.16	6.11	6.21	0.009	0.010	-15.1
Endrin	9.31	9.24	9.38	0.046	0.050	-7.7
4,4'-DDT	9.94	9.87	10.01	0.100	0.100	1.2
Methoxychlor	10.87	10.80	10.94	0.240	0.250	-3.5
TCX	5.07	5.02	5.12	0.018	0.020	10.6
DCB	13.80	13.70	13.90	0.019	0.020	19.6

4,4'-DDT %Breakdown (1): 0.74 Endrin %Breakdown (1): 3.03

Combined %Breakdown (1): 3.77

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM##): PEMD1 Date Analyzed: 08/25/2013

Lab Sample ID (PEM): PEM 200-60388/3 Time Analyzed: 1849

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.20	5.15	5.25	0.009	0.010	-15.0
beta-BHC	5.72	5.66	5.76	0.009	0.010	-13.5
gamma-BHC (Lindane)	5.60	5.55	5.65	0.009	0.010	-14.7
Endrin	8.38	8.32	8.46	0.046	0.050	-7.4
4,4'-DDT	9.14	9.07	9.21	0.099	0.100	-1.0
Methoxychlor	10.48	10.41	10.55	0.240	0.250	-4.8
TCX	4.40	4.35	4.45	0.018	0.020	13.2
DCB	13.24	13.14	13.34	0.019	0.020	21.2

4,4'-DDT %Breakdown (1): 0.80 Endrin %Breakdown (1): 3.63

Combined %Breakdown (1): 4.42

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKD4 Date Analyzed: 08/25/2013

Lab Sample ID (PIBLK): PIBLK 200-60388/14 Time Analyzed: 2257

EPA Sample No.(PEM##): PEMD2 Date Analyzed: 08/25/2013

Lab Sample ID (PEM): PEM 200-60388/15 Time Analyzed: 2320

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.009	0.010	-6.8
beta-BHC	6.27	6.21	6.31	0.010	0.010	-1.2
gamma-BHC (Lindane)	6.16	6.11	6.21	0.010	0.010	-3.5
Endrin	9.31	9.24	9.38	0.051	0.050	2.6
4,4'-DDT	9.94	9.87	10.01	0.110	0.100	8.5
Methoxychlor	10.87	10.80	10.94	0.250	0.250	-1.6
TCX	5.07	5.02	5.12	0.020	0.020	-0.8
DCB	13.80	13.70	13.90	0.020	0.020	-0.1

4,4'-DDT %Breakdown (1): 0.81 Endrin %Breakdown (1): 3.40

Combined %Breakdown (1): 4.21

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKD4 Date Analyzed: 08/25/2013

Lab Sample ID (PIBLK): PIBLK 200-60388/14 Time Analyzed: 2257

EPA Sample No.(PEM##): PEMD2 Date Analyzed: 08/25/2013

Lab Sample ID (PEM): PEM 200-60388/15 Time Analyzed: 2320

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.20	5.15	5.25	0.010	0.010	-3.3
beta-BHC	5.72	5.66	5.76	0.010	0.010	-1.6
gamma-BHC (Lindane)	5.60	5.55	5.65	0.010	0.010	-1.2
Endrin	8.38	8.32	8.46	0.052	0.050	4.5
4,4'-DDT	9.14	9.07	9.21	0.110	0.100	7.4
Methoxychlor	10.48	10.41	10.55	0.250	0.250	-0.2
TCX	4.40	4.35	4.45	0.020	0.020	-0.3
DCB	13.24	13.14	13.34	0.019	0.020	-2.9

4,4'-DDT %Breakdown (1): 0.87 Endrin %Breakdown (1): 4.11

Combined %Breakdown (1): 4.98

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE4 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/1 Time Analyzed: 0855

EPA Sample No.(PEM##): PEMD6 Date Analyzed: 08/28/2013

Lab Sample ID (PEM): PEM 200-60479/2 Time Analyzed: 0917

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.008	0.010	-22.6
beta-BHC	6.27	6.21	6.31	0.009	0.010	-11.6
gamma-BHC (Lindane)	6.16	6.11	6.21	0.008	0.010	-19.0
Endrin	9.31	9.24	9.38	0.047	0.050	-5.3
4,4'-DDT	9.94	9.87	10.01	0.100	0.100	3.0
Methoxychlor	10.88	10.80	10.94	0.250	0.250	0.1
TCX	5.07	5.02	5.12	0.016	0.020	-18.6
DCB	13.80	13.70	13.90	0.017	0.020	-17.4

4,4'-DDT %Breakdown (1): 2.96 Endrin %Breakdown (1): 6.36

Combined %Breakdown (1): 9.31

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE4 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/1 Time Analyzed: 0855

EPA Sample No.(PEM##): PEMD6 Date Analyzed: 08/28/2013

Lab Sample ID (PEM): PEM 200-60479/2 Time Analyzed: 0917

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.20	5.15	5.25	0.008	0.010	-18.6
beta-BHC	5.72	5.66	5.76	0.009	0.010	-13.5
gamma-BHC (Lindane)	5.60	5.55	5.65	0.008	0.010	-17.9
Endrin	8.39	8.32	8.46	0.047	0.050	-6.6
4,4'-DDT	9.14	9.07	9.21	0.098	0.100	-1.8
Methoxychlor	10.48	10.41	10.55	0.240	0.250	-4.9
TCX	4.40	4.35	4.45	0.017	0.020	-16.7
DCB	13.24	13.14	13.34	0.019	0.020	-2.8

4,4'-DDT %Breakdown (1): 3.05 Endrin %Breakdown (1): 6.75

Combined %Breakdown (1): 9.81

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE5 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/7 Time Analyzed: 1119

EPA Sample No.(INDC##): INDC3D6 Date Analyzed: 08/28/2013

Lab Sample ID (INDC): CCV 200-60479/8 Time Analyzed: 1141

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	21201017.500	23842050.000	12.5
gamma-BHC (Lindane)	6.16	6.11	6.21	20016150.000	21349900.000	6.7
Heptachlor	6.74	6.68	6.78	17065475.000	18521250.000	8.5
Endosulfan I	8.54	8.47	8.61	11882345.000	12708450.000	7.0
Dieldrin	8.92	8.85	8.99	12784063.750	13830975.000	8.2
Endrin	9.31	9.24	9.38	11292078.750	11682525.000	3.5
4,4'-DDD	9.44	9.37	9.51	9403608.750	10555950.000	12.3
4,4'-DDT	9.94	9.87	10.01	8598362.500	9374425.000	9.0
Methoxychlor	10.88	10.80	10.94	3590191.500	3929740.000	9.5
beta-BHC	6.27	6.21	6.31	7771887.500	8103700.000	4.3
delta-BHC	6.48	6.43	6.53	19335262.500	20643650.000	6.8
Aldrin	7.12	7.07	7.17	16829492.500	17735200.000	5.4
Heptachlor epoxide	7.95	7.88	8.02	13458505.000	14554250.000	8.1
4,4'-DDE	8.46	8.38	8.52	14251715.000	14674450.000	3.0
Endosulfan II	9.70	9.62	9.76	9692106.250	10563225.000	9.0
Endosulfan sulfate	11.29	11.21	11.35	8565820.000	9419050.000	10.0
Endrin ketone	11.81	11.73	11.87	9883258.750	11305750.000	14.4
Endrin aldehyde	10.47	10.39	10.53	7787552.500	8562100.000	9.9
alpha-Chlordane	8.33	8.26	8.40	13364950.000	14227200.000	6.5
gamma-Chlordane	8.13	8.06	8.20	13978667.500	14733300.000	5.4
TCX	5.07	5.02	5.12	12354120.000	12567100.000	1.7
DCB	13.80	13.70	13.90	8298110.000	8348850.000	0.6

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE5 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/7 Time Analyzed: 1119

EPA Sample No.(INDC##): INDC3D6 Date Analyzed: 08/28/2013

Lab Sample ID (INDC): CCV 200-60479/8 Time Analyzed: 1141

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
alpha-BHC	5.20	5.15	5.25	23584550.000	25020300.000	6.1
gamma-BHC (Lindane)	5.61	5.55	5.65	21755870.000	23000400.000	5.7
Heptachlor	6.05	6.00	6.10	19482512.500	20839050.000	7.0
Endosulfan I	7.56	7.49	7.63	13109437.500	14039300.000	7.1
Dieldrin	7.94	7.87	8.01	13976966.250	14949775.000	7.0
Endrin	8.39	8.32	8.46	11787875.000	12367675.000	4.9
4,4'-DDD	8.63	8.56	8.70	10277826.250	11699325.000	13.8
4,4'-DDT	9.14	9.07	9.21	9322446.250	9722400.000	4.3
Methoxychlor	10.49	10.41	10.55	3720384.500	3782690.000	1.7
beta-BHC	5.72	5.66	5.76	8754232.500	9251700.000	5.7
delta-BHC	6.02	5.97	6.07	23412955.000	24804200.000	5.9
Aldrin	6.39	6.34	6.44	18858102.500	20076200.000	6.5
Heptachlor epoxide	7.07	6.99	7.13	15028845.000	16151250.000	7.5
4,4'-DDE	7.76	7.69	7.83	15340065.000	15861575.000	3.4
Endosulfan II	8.73	8.66	8.80	10691823.750	11826200.000	10.6
Endosulfan sulfate	9.81	9.74	9.88	8943022.500	9684825.000	8.3
Endrin ketone	10.79	10.71	10.85	10110795.000	11583175.000	14.6
Endrin aldehyde	9.31	9.24	9.38	8474790.000	9282875.000	9.5
alpha-Chlordane	7.49	7.42	7.56	14479550.000	15393850.000	6.3
gamma-Chlordane	7.30	7.23	7.37	15220170.000	16459700.000	8.1
TCX	4.40	4.35	4.45	12093505.000	12330250.000	2.0
DCB	13.24	13.14	13.34	8060296.250	7970025.000	-1.1

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7M - FORM VII PEST-4
TOXAPHENE CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE5 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/7 Time Analyzed: 1119

EPA Sample No.(TOXAPH3##): TOXAPH3D6 Date Analyzed: 08/28/2013

Lab Sample ID (TOXAPH3): CCV 200-60479/9 Time Analyzed: 1530

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
Toxaphene	1	9.81	9.73	9.87	231387.875	256835.500	11.0
	2	10.44	10.36	10.50	232117.875	253740.000	9.3
	3	11.10	11.02	11.16	298257.200	329189.500	10.4
	4	11.78	11.70	11.84	169607.525	188504.000	11.1
	5	12.08	12.00	12.14	146223.275	151306.500	3.5
TCX		5.08	5.02	5.12	12354120.000	11016600.000	-10.8
DCB		13.81	13.70	13.90	8298110.000	8302500.000	0.1

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7M - FORM VII PEST-4
TOXAPHENE CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): PIBLKE5 Date Analyzed: 08/28/2013

Lab Sample ID (PIBLK): PIBLK 200-60479/7 Time Analyzed: 1119

EPA Sample No.(TOXAPH3##): TOXAPH3D6 Date Analyzed: 08/28/2013

Lab Sample ID (TOXAPH3): CCV 200-60479/9 Time Analyzed: 1530

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
Toxaphene	1	7.91	7.84	7.98	88027.350	96832.500	10.0
	2	8.80	8.73	8.87	110268.725	118267.000	7.3
	3	8.86	8.80	8.94	392175.275	439906.000	12.2
	4	9.17	9.11	9.25	144182.250	156396.500	8.5
	5	9.45	9.38	9.52	226870.975	251553.500	10.9
TCX		4.40	4.35	4.45	12093505.000	10593500.000	-12.4
DCB		13.24	13.14	13.34	8060296.250	7778550.000	-3.5

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM##): PEMD7 Date Analyzed: 08/28/2013

Lab Sample ID (PEM): PEM 200-60479/13 Time Analyzed: 1916

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.79	5.74	5.84	0.010	0.010	1.3
beta-BHC	6.27	6.21	6.31	0.010	0.010	-1.1
gamma-BHC (Lindane)	6.16	6.11	6.21	0.010	0.010	-3.7
Endrin	9.31	9.24	9.38	0.051	0.050	2.0
4,4'-DDT	9.94	9.87	10.01	0.110	0.100	13.8
Methoxychlor	10.88	10.80	10.94	0.270	0.250	7.1
TCX	5.07	5.02	5.12	0.019	0.020	-3.8
DCB	13.80	13.70	13.90	0.019	0.020	-4.9

4,4'-DDT %Breakdown (1): 2.17 Endrin %Breakdown (1): 7.40

Combined %Breakdown (1): 9.57

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7J - FORM VII PEST-1
PESTICIDE CONTINUING VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

EPA Sample No.(PIBLK##): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM##): PEMD7 Date Analyzed: 08/28/2013

Lab Sample ID (PEM): PEM 200-60479/13 Time Analyzed: 1916

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
alpha-BHC	5.20	5.15	5.25	0.010	0.010	-3.2
beta-BHC	5.71	5.66	5.76	0.010	0.010	-0.8
gamma-BHC (Lindane)	5.60	5.55	5.65	0.010	0.010	-2.8
Endrin	8.38	8.32	8.46	0.051	0.050	1.3
4,4'-DDT	9.14	9.07	9.21	0.110	0.100	7.0
Methoxychlor	10.48	10.41	10.55	0.260	0.250	2.0
TCX	4.40	4.35	4.45	0.019	0.020	-3.5
DCB	13.24	13.14	13.34	0.019	0.020	-4.7

4,4'-DDT %Breakdown (1): 2.27 Endrin %Breakdown (1): 8.02

Combined %Breakdown (1): 10.29

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/05/2013 03/05/2013

Instrument ID: 5005_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.25 DCB: 14.11

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKFC	5005AESOM03.D	03/05/2013	1638	5.25	14.11
02	RESCFA	5005AESOM04.D	03/05/2013	1700	5.25	14.11
03	PEMFA	5005AESOM05.D	03/05/2013	1723	5.26	14.11
04	TOXAPH1FA	5005AESOM06.D	03/05/2013	1746	5.25	14.11
05	TOXAPH2FA	5005AESOM07.D	03/05/2013	1809	5.25	14.11
06	TOXAPH3FA	5005AESOM08.D	03/05/2013	1832	5.26	14.11
07	TOXAPH4FA	5005AESOM09.D	03/05/2013	1855	5.25	14.11
08	TOXAPH5FA	5005AESOM10.D	03/05/2013	1918	5.26	14.11
09	INDC1FA	5005AESOM11.D	03/05/2013	1941	5.26	14.11
10	INDC2FA	5005AESOM12.D	03/05/2013	2003	5.25	14.11
11	INDC3FA	5005AESOM13.D	03/05/2013	2026	5.25	14.11
12	INDC4FA	5005AESOM14.D	03/05/2013	2049	5.25	14.11
13	INDC5FA	5005AESOM15.D	03/05/2013	2112	5.25	14.11
14	PIBLKFD	5005AESOM16.D	03/05/2013	2135	5.26	14.11
15	PEMFB	5005AESOM17.D	03/05/2013	2158	5.25	14.11
16	TCPFA	5005AESOM18.D	03/05/2013	2221		
17	FLO906011BS	5005AEASOM01.D	03/05/2013	2244	5.25	14.11
18	ZZZZZ	5005AEASOM02.D	03/05/2013	2307	5.25	14.11
19	PIBLKFE	5005AEASOM03.D	03/05/2013	2329	5.25	14.11
20	INDC3FB	5005AEASOM04.D	03/05/2013	2352	5.25	14.11

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/16/2013 08/16/2013

Instrument ID: 5005_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.07 DCB: 13.80

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ	5005ASSOM01.D	08/16/2013	1730	5.08	13.80
02	ZZZZZ	5005ASSOM02.D	08/16/2013	1753	5.07	13.80
03	PIBLKA3	5005ASSOM03.D	08/16/2013	1815	5.07	13.80
04	RESCA1	5005ASSOM04.D	08/16/2013	1838	5.07	13.80
05	PEMA1	5005ASSOM05.D	08/16/2013	1901	5.07	13.80
06	TOXAPH1A1	5005ASSOM06.D	08/16/2013	1923	5.07	13.80
07	TOXAPH2A1	5005ASSOM07.D	08/16/2013	1946	5.07	13.80
08	TOXAPH3A1	5005ASSOM08.D	08/16/2013	2008	5.07	13.80
09	TOXAPH4A1	5005ASSOM09.D	08/16/2013	2031	5.07	13.80
10	TOXAPH5A1	5005ASSOM10.D	08/16/2013	2054	5.07	13.80
11	INDC1A1	5005ASSOM11.D	08/16/2013	2116	5.07	13.80
12	INDC2A1	5005ASSOM12.D	08/16/2013	2139	5.07	13.80
13	INDC3A1	5005ASSOM13.D	08/16/2013	2201	5.07	13.80
14	INDC4A1	5005ASSOM14.D	08/16/2013	2224	5.07	13.79
15	INDC5A1	5005ASSOM15.D	08/16/2013	2247	5.07	13.80
16	PIBLKA4	5005ASSOM16.D	08/16/2013	2309	5.07	13.80
17	PEMA2	5005ASSOM17.D	08/16/2013	2332	5.07	13.80

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

Instrument ID: 5005_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.07 DCB: 13.80

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKD3	5005ATSOM03.D	08/25/2013	1803	5.07	13.79
02	RESCD1	5005ATSOM04.D	08/25/2013	1826	5.07	13.80
03	PEMD1	5005ATSOM05.D	08/25/2013	1849	5.07	13.80
04	TOXAPH1D1	5005ATSOM06.D	08/25/2013	1911	5.07	13.80
05	TOXAPH2D1	5005ATSOM07.D	08/25/2013	1934	5.07	13.80
06	TOXAPH3D1	5005ATSOM08.D	08/25/2013	1956	5.07	13.80
07	TOXAPH4D1	5005ATSOM09.D	08/25/2013	2019	5.07	13.80
08	TOXAPH5D1	5005ATSOM10.D	08/25/2013	2042	5.07	13.80
09	INDC1D1	5005ATSOM11.D	08/25/2013	2104	5.07	13.80
10	INDC2D1	5005ATSOM12.D	08/25/2013	2127	5.07	13.80
11	INDC3D1	5005ATSOM13.D	08/25/2013	2150	5.07	13.80
12	INDC4D1	5005ATSOM14.D	08/25/2013	2212	5.07	13.80
13	INDC5D1	5005ATSOM15.D	08/25/2013	2235	5.07	13.80
14	PIBLKD4	5005ATSOM16.D	08/25/2013	2257	5.07	13.80
15	PEMD2	5005ATSOM17.D	08/25/2013	2320	5.07	13.80
16	PIBLKE4	5005ATDSOM02.D	08/28/2013	0855	5.07	13.80
17	PEMD6	5005ATDSOM03.D	08/28/2013	0917	5.07	13.80
18	PBLKX7	5005ATDSOM04.D	08/28/2013	0940	5.07	13.80
19	PLCSX7	5005ATDSOM05.D	08/28/2013	1002	5.07	13.80
20	TS003 (072413)	5005ATDSOM06.D	08/28/2013	1025	5.07	13.80
21	TS004 (072413)	5005ATDSOM07.D	08/28/2013	1048	5.07	13.80
22	PIBLKE5	5005ATDSOM08.D	08/28/2013	1119	5.08	13.81
23	INDC3D6	5005ATDSOM09.D	08/28/2013	1141	5.07	13.80
24	TOXAPH3D6	5005ATDSOM10.D	08/28/2013	1530	5.08	13.81
25	ZZZZZ	5005ATDSOM11.D	08/28/2013	1741	5.08	13.82
26	ZZZZZ	5005ATDSOM12.D	08/28/2013	1804	5.07	13.80
27	ZZZZZ	5005ATDSOM13.D	08/28/2013	1853	5.08	13.81
28	PEMD7	5005ATDSOM14.D	08/28/2013	1916	5.07	13.80

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/25/2013 08/25/2013

Instrument ID: 5005_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 4.40 DCB: 13.24

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKD3	5005ATSOM03.D	08/25/2013	1803	4.40	13.24
02	RESCD1	5005ATSOM04.D	08/25/2013	1826	4.40	13.24
03	PEMD1	5005ATSOM05.D	08/25/2013	1849	4.40	13.24
04	TOXAPH1D1	5005ATSOM06.D	08/25/2013	1911	4.40	13.24
05	TOXAPH2D1	5005ATSOM07.D	08/25/2013	1934	4.40	13.24
06	TOXAPH3D1	5005ATSOM08.D	08/25/2013	1956	4.40	13.24
07	TOXAPH4D1	5005ATSOM09.D	08/25/2013	2019	4.40	13.24
08	TOXAPH5D1	5005ATSOM10.D	08/25/2013	2042	4.41	13.24
09	INDC1D1	5005ATSOM11.D	08/25/2013	2104	4.40	13.24
10	INDC2D1	5005ATSOM12.D	08/25/2013	2127	4.40	13.24
11	INDC3D1	5005ATSOM13.D	08/25/2013	2150	4.40	13.24
12	INDC4D1	5005ATSOM14.D	08/25/2013	2212	4.40	13.24
13	INDC5D1	5005ATSOM15.D	08/25/2013	2235	4.40	13.24
14	PIBLKD4	5005ATSOM16.D	08/25/2013	2257	4.40	13.24
15	PEMD2	5005ATSOM17.D	08/25/2013	2320	4.40	13.24
16	PIBLKE4	5005ATDSOM02.D	08/28/2013	0855	4.40	13.24
17	PEMD6	5005ATDSOM03.D	08/28/2013	0917	4.40	13.24
18	PBLKX7	5005ATDSOM04.D	08/28/2013	0940	4.40	13.24
19	PLCSX7	5005ATDSOM05.D	08/28/2013	1002	4.40	13.24
20	TS003 (072413)	5005ATDSOM06.D	08/28/2013	1025	4.40	13.24
21	TS004 (072413)	5005ATDSOM07.D	08/28/2013	1048	4.40	13.24
22	PIBLKE5	5005ATDSOM08.D	08/28/2013	1119	4.40	13.24
23	INDC3D6	5005ATDSOM09.D	08/28/2013	1141	4.40	13.24
24	TOXAPH3D6	5005ATDSOM10.D	08/28/2013	1530	4.40	13.24
25	ZZZZZ	5005ATDSOM11.D	08/28/2013	1741	4.40	13.25
26	ZZZZZ	5005ATDSOM12.D	08/28/2013	1804	4.40	13.24
27	ZZZZZ	5005ATDSOM13.D	08/28/2013	1853	4.40	13.24
28	PEMD7	5005ATDSOM14.D	08/28/2013	1916	4.40	13.24

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

9A - FORM IX PEST-1
PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Florisil Cartridge Lot Number: 906011-BS Date of Analysis: 03/05/2013

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	%REC #	QC LIMITS
alpha-BHC	0.010	0.0094	94	80-120
gamma-BHC (Lindane)	0.010	0.0092	92	80-120
Heptachlor	0.010	0.0099	99	80-120
Endosulfan I	0.010	0.0098	98	80-120
Dieldrin	0.020	0.020	98	80-120
Endrin	0.020	0.020	101	80-120
4,4'-DDD	0.020	0.020	101	80-120
4,4'-DDT	0.020	0.022	110	80-120
Methoxychlor	0.10	0.11	113	80-120
TCX	0.010	0.0090	90	80-120
DCB	0.020	0.019	96	80-120
2,4,5-Trichlorophenol	0.050	0.00035	0.7	<5

Column to be used to flag recovery outside contract required QC limits with an asterisk.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANK, LCSs, AND MS/MSDs:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLKX7	MB 200-59240/1-D	08/28/2013	08/28/2013
02	PLCSX7	LCS 200-59240/2-D	08/28/2013	08/28/2013
03	TS003 (072413)	200-17642-2	08/28/2013	08/28/2013
04	TS004 (072413)	200-17642-3	08/28/2013	08/28/2013

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

9B - FORM IX PEST-2
PESTICIDE GPC CALIBRATION VERIFICATION

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GPC Column: I5020805 Calibration Verification Date: 08/23/2013

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	%REC #	QC LIMITS
gamma-BHC (Lindane)	0.040	0.037	92	80-110
Heptachlor	0.040	0.038	95	80-110
Aldrin	0.040	0.039	98	80-110
Dieldrin	0.080	0.080	100	80-110
Endrin	0.080	0.080	99	80-110
4,4'-DDT	0.080	0.071	89	80-110

Column to be used to flag recovery outside contract required QC limits with an asterisk.

THIS GPC CALIBRATION VERIFICATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, LCSs, AND MS/MSDs:

	EPA SAMPLE NO.	LAB SAMPLE ID	GPC CLEANUP DATE
01	PBLKX7	MB 200-59240/1-D	08/07/2013
02	PLCSX7	LCS 200-59240/2-D	08/07/2013
03	TS003 (072413)	200-17642-2	08/07/2013
04	TS004 (072413)	200-17642-3	08/07/2013

10A - FORM X PEST-1
IDENTIFICATION SUMMARY
FOR SINGLE COMPNENT ANALYTES

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: 200-17642-2 Date(s) Analyzed: 08/28/2013 08/28/2013

Instrument ID (1): 5005_1.i Instrument ID (2): 5005_2.i

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
alpha-BHC	1	5.78	5.74	5.84	0.20	
	2	5.22	5.15	5.25	0.056	263.4
Heptachlor	1	6.74	6.68	6.78	0.79	
	2	6.05	6.00	6.10	1.1	34.4
Heptachlor epoxide	1	7.95	7.88	8.02	2.0	
	2	7.06	6.99	7.13	1.1	81.9
Endosulfan I	1	8.55	8.47	8.61	0.19	
	2	7.58	7.49	7.63	0.58	212.2
Dieldrin	1	8.92	8.85	8.99	1.1	
	2	7.94	7.87	8.01	1.2	7.9
4,4'-DDE	1	8.46	8.38	8.52	2.9	
	2	7.76	7.69	7.83	2.8	6.6
Endosulfan II	1	9.71	9.62	9.76	0.39	
	2	8.68	8.66	8.80	0.65	68.4
4,4'-DDD	1	9.44	9.37	9.51	1.2	
	2	8.63	8.56	8.70	1.0	17.3
Endosulfan sulfate	1	11.29	11.21	11.35	0.55	
	2	9.81	9.74	9.88	0.90	64.0
4,4'-DDT	1	9.94	9.87	10.01	2.7	
	2	9.14	9.07	9.21	2.5	5.8
Endrin ketone	1	11.82	11.73	11.87	0.31	
	2	10.75	10.71	10.85	0.35	14.6
Endrin aldehyde	1	10.42	10.39	10.53	3.8	
	2	9.30	9.24	9.38	0.52	639.0
alpha-Chlordane	1	8.33	8.26	8.40	18	
	2	7.49	7.42	7.56	17	4.5
gamma-Chlordane	1	8.13	8.06	8.20	16	
	2	7.30	7.23	7.37	17	5.2

10A - FORM X PEST-1
IDENTIFICATION SUMMARY
FOR SINGLE COMPNENT ANALYTES

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: 200-17642-3 Date(s) Analyzed: 08/28/2013 08/28/2013

Instrument ID (1): 5005_1.i Instrument ID (2): 5005_2.i

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
delta-BHC	1	6.49	6.43	6.53	0.35	
	2	6.01	5.97	6.07	0.16	123.7
Heptachlor	1	6.76	6.68	6.78	0.14	
	2	6.04	6.00	6.10	0.79	448.3
Heptachlor epoxide	1	7.95	7.88	8.02	0.13	
	2	7.08	6.99	7.13	0.40	193.2
Endosulfan I	1	8.52	8.47	8.61	0.14	
	2	7.61	7.49	7.63	0.72	427.8
Dieldrin	1	8.92	8.85	8.99	0.41	
	2	7.94	7.87	8.01	0.52	27.0
4,4'-DDE	1	8.45	8.38	8.52	5.5	
	2	7.76	7.69	7.83	6.5	18.4
4,4'-DDD	1	9.44	9.37	9.51	3.6	
	2	8.63	8.56	8.70	3.5	1.5
Endosulfan sulfate	1	11.29	11.21	11.35	58	
	2	9.81	9.74	9.88	0.53	999.9
4,4'-DDT	1	9.94	9.87	10.01	1.6	
	2	9.14	9.07	9.21	1.6	0.7
Endrin aldehyde	1	10.50	10.39	10.53	0.31	
	2	9.29	9.24	9.38	0.16	95.7
alpha-Chlordane	1	8.33	8.26	8.40	0.29	
	2	7.50	7.42	7.56	0.46	60.5
gamma-Chlordane	1	8.15	8.06	8.20	1.4	
	2	7.30	7.23	7.37	0.42	226.0

10A - FORM X PEST-1
IDENTIFICATION SUMMARY
FOR SINGLE COMPNENT ANALYTES

EPA SAMPLE NO.
PBLKX7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: MB 200-59240/1-D Date(s) Analyzed: 08/28/2013 08/28/2013

Instrument ID (1): 5005_1.i Instrument ID (2): 5005_2.i

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Heptachlor	1	6.72	6.68	6.78	0.10	
	2	6.04	6.00	6.10	0.029	247.3
Aldrin	1	7.07	7.07	7.17	0.037	
	2	6.37	6.34	6.44	0.019	96.8
Endrin	1	9.25	9.24	9.38	0.035	
	2	8.35	8.32	8.46	0.019	84.0
Endosulfan II	1	9.67	9.62	9.76	0.041	
	2	8.73	8.66	8.80	0.0065	527.7

10A - FORM X PEST-1
IDENTIFICATION SUMMARY
FOR SINGLE COMPNENT ANALYTES

EPA SAMPLE NO.
PLCSX7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: LCS 200-59240/2-D Date(s) Analyzed: 08/28/2013 08/28/2013

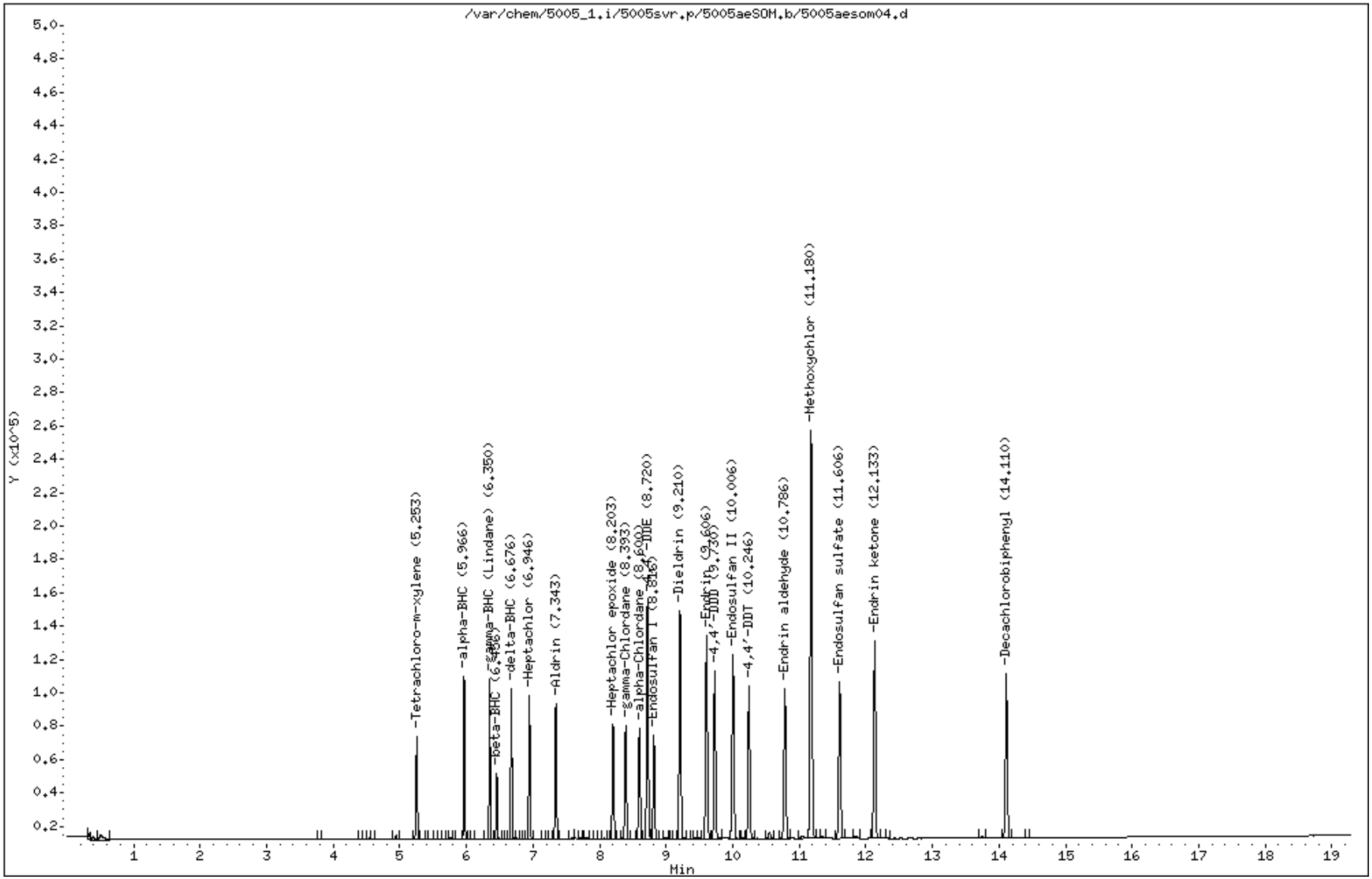
Instrument ID (1): 5005_1.i Instrument ID (2): 5005_2.i

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
alpha-BHC	1	5.78	5.74	5.84	0.015	
	2	5.19	5.15	5.25	0.043	177.7
beta-BHC	1	6.25	6.21	6.31	0.035	
	2	5.70	5.66	5.76	0.24	580.4
gamma-BHC (Lindane)	1	6.16	6.11	6.21	0.88	
	2	5.60	5.55	5.65	0.92	5.2
Heptachlor epoxide	1	7.95	7.88	8.02	1.1	
	2	7.06	6.99	7.13	1.1	0.9
Dieldrin	1	8.92	8.85	8.99	2.2	
	2	7.94	7.87	8.01	2.2	0.7
4,4'-DDE	1	8.46	8.38	8.52	2.0	
	2	7.76	7.69	7.83	2.0	0.5
Endrin	1	9.31	9.24	9.38	2.2	
	2	8.39	8.32	8.46	2.2	0.9
Endosulfan II	1	9.67	9.62	9.76	0.053	
	2	8.73	8.66	8.80	0.024	119.6
Endosulfan sulfate	1	11.28	11.21	11.35	2.3	
	2	9.81	9.74	9.88	2.2	1.2
Endrin ketone	1	11.81	11.73	11.87	0.15	
	2	10.79	10.71	10.85	0.12	26.1
Endrin aldehyde	1	10.43	10.39	10.53	2.1	
	2	9.32	9.24	9.38	0.093	999.9
gamma-Chlordane	1	8.13	8.06	8.20	1.0	
	2	7.30	7.23	7.37	1.0	1.7

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom04.d
Date : 05-MAR-2013 17:00
Client ID: RESCFA
Sample Info: RESC-444312,1,RESCFA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom04.d
Lab Smp Id: RESC-444312 Client Smp ID: RESCFA
Inj Date : 05-MAR-2013 17:00
Operator : KTL Inst ID: 5005_1.i
Smp Info : RESC-444312,1,RESCFA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.253	5.254	-0.001	61721	0.01000	0.009361	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.966	5.969	-0.003	97829	0.01000	0.009341	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.350	6.350	0.000	95707	0.01000	0.009300	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.456	6.459	-0.003	39635	0.01000	0.009660	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.676	6.678	-0.002	89990	0.01000	0.009099	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.946	6.949	-0.003	85847	0.01000	0.009492	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
7.343	7.344	-0.001	81160	0.01000	0.009384	80.00- 120.00	100.00

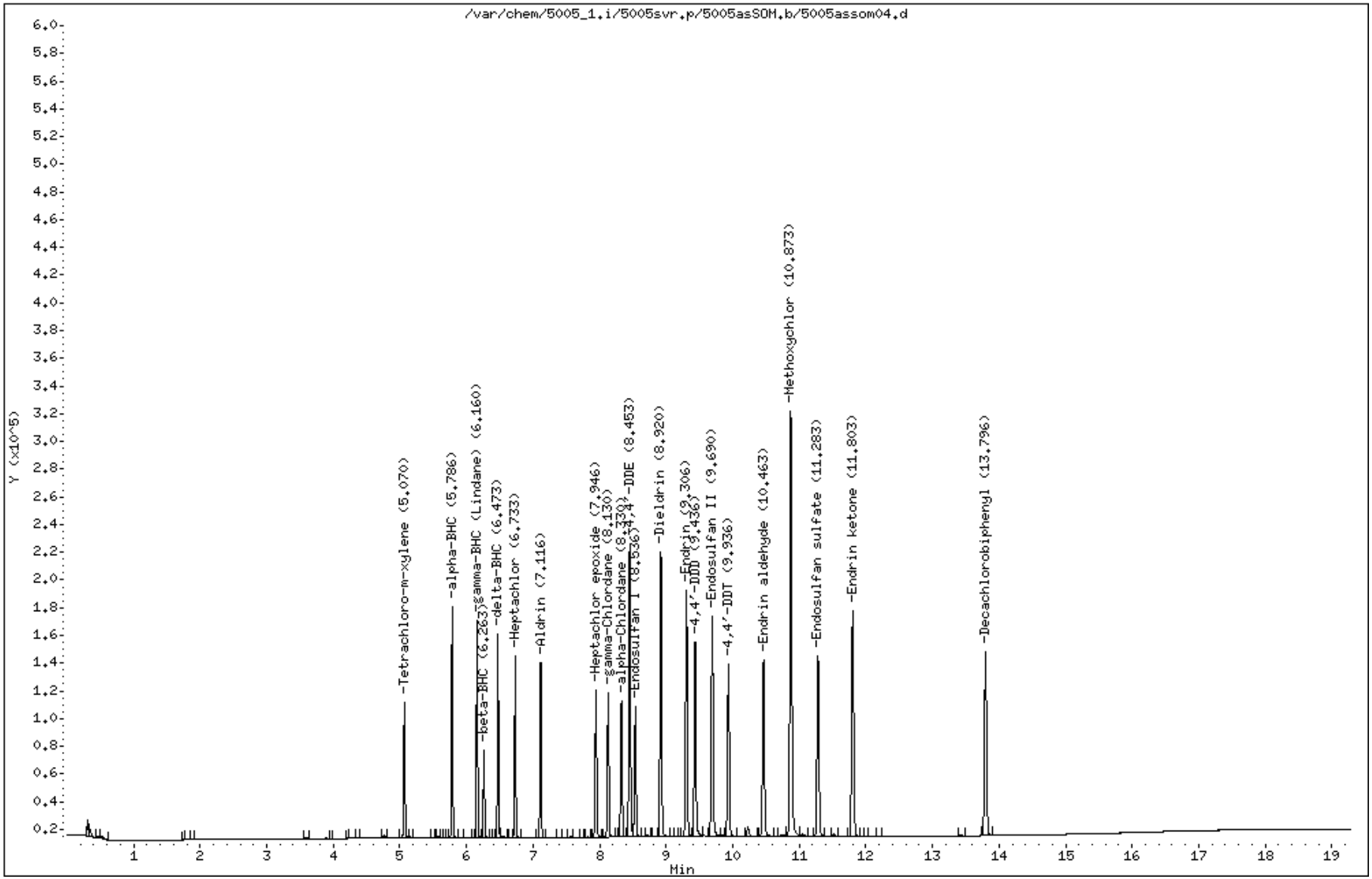
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.203	8.205	-0.002	68761	0.01000	0.009633	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.393	8.394	-0.001	67674	0.01000	0.009427	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.600	8.600	0.000	66259	0.01000	0.009576	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.720	8.721	-0.001	143537	0.02000	0.01929	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.816	8.819	-0.003	62058	0.01000	0.009775	80.00- 120.00	100.00(a)
13 Dieldrin						CAS #: 60-57-1	
9.210	9.211	-0.001	136507	0.02000	0.01957	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.606	9.610	-0.004	121734	0.02000	0.01965	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.730	9.733	-0.003	100198	0.02000	0.01936	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
10.006	10.009	-0.003	110343	0.02000	0.01972	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
10.246	10.249	-0.003	91202	0.02000	0.01929	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.786	10.789	-0.003	90169	0.02000	0.01992	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.180	11.180	0.000	244414	0.10000	0.1043	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.606	11.609	-0.003	93691	0.02000	0.01972	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
12.133	12.134	-0.001	118308	0.02000	0.02017	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.110	14.111	-0.001	98754	0.02000	0.01998	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom04.d
Date : 16-AUG-2013 18:38
Client ID: RESCA1
Sample Info: RESC,1,525182,RESCA1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom04.d
Lab Smp Id: RESC-525182 Client Smp ID: RESCA1
Inj Date : 16-AUG-2013 18:38
Operator : RRM Inst ID: 5005_1.i
Smp Info : RESC,1,525182,RESCA1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

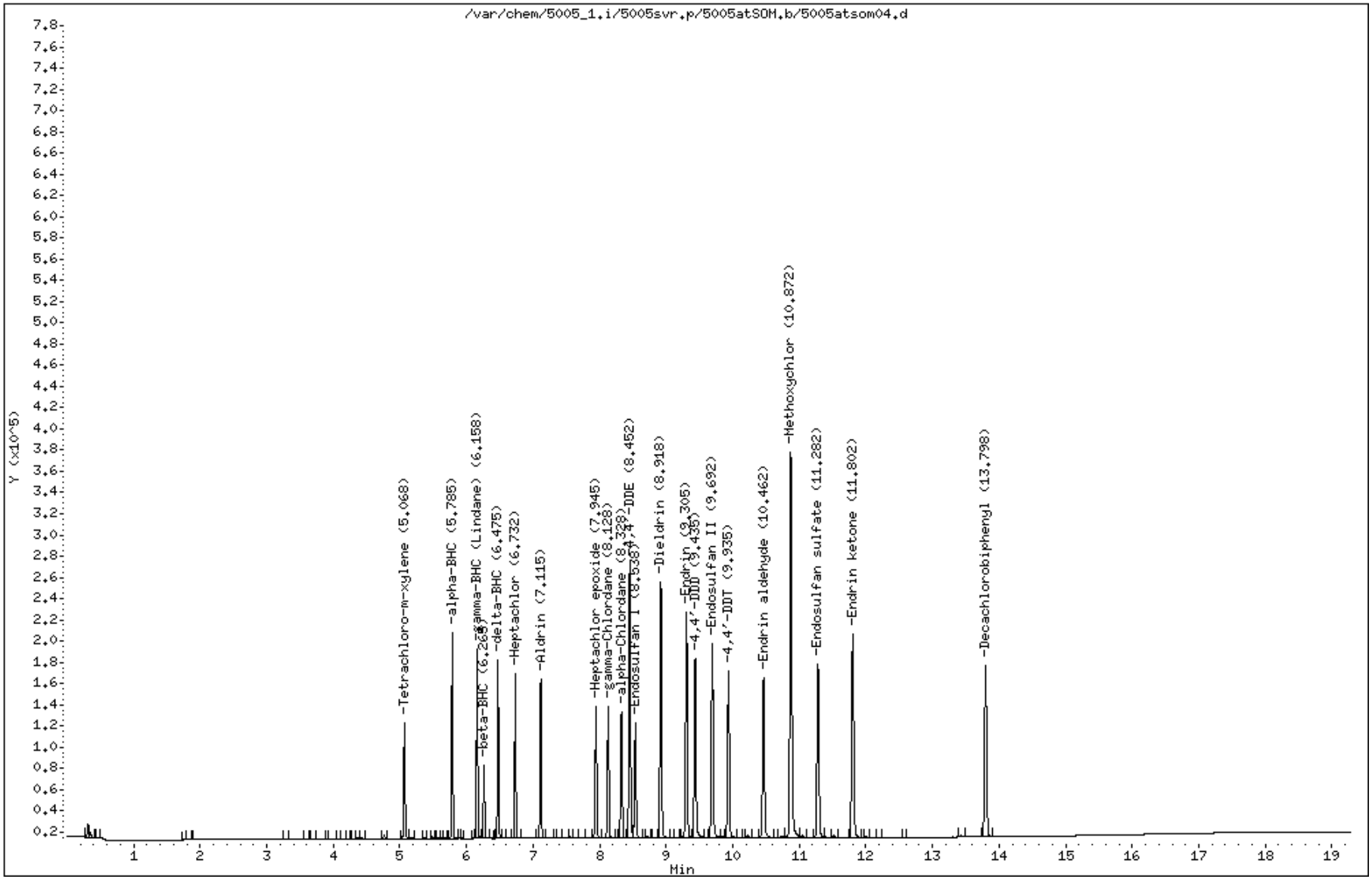
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	98264	0.02000	0.009850	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	166728	0.01000	0.009349	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	156582	0.01000	0.009635	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.263	6.263	0.000	63283	0.01000	0.009914	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.473	6.473	0.000	146939	0.00000	0.009332	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.733	6.731	0.002	131720	0.00000	0.009811	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.116	7.114	0.002	126395	0.00000	0.009566	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.946	7.949	-0.003	105872	0.00000	0.009961	80.00- 120.00	100.00
9 gamma-Chlordane					CAS #: 5103-74-2		
8.130	8.130	0.000	104165	0.00000	0.009626	80.00- 120.00	100.00
10 alpha-Chlordane					CAS #: 5103-71-9		
8.330	8.330	0.000	98365	0.00000	0.009585	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.453	8.453	0.000	211508	0.00000	0.02000	80.00- 120.00	100.00
12 Endosulfan I					CAS #: 959-98-8		
8.536	8.539	-0.003	94015	0.00000	0.01007	80.00- 120.00	100.00
13 Dieldrin					CAS #: 60-57-1		
8.920	8.920	0.000	205042	0.00000	0.02028	80.00- 120.00	100.00
14 Endrin					CAS #: 72-20-8		
9.306	9.305	0.001	177703	0.05000	0.02048	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.436	9.433	0.003	140472	0.00000	0.01919	80.00- 120.00	100.00
16 Endosulfan II					CAS #: 33213-65-9		
9.690	9.691	-0.001	158742	0.00000	0.02032	80.00- 120.00	100.00
17 4,4'-DDT					CAS #: 50-29-3		
9.936	9.936	0.000	123807	0.10000	0.01906	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.463	10.461	0.002	127287	0.00000	0.02034	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
10.873	10.871	0.002	306664	0.25000	0.1078	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.283	11.281	0.002	130366	0.00000	0.01979	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.803	11.802	0.001	162864	0.00000	0.02005	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.796	13.798	-0.002	132912	0.02000	0.01997	80.00- 120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom04.d
Date : 25-AUG-2013 18:26
Client ID: RESCD1
Sample Info: RESC-525182,1,RESCD1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom04.d
Lab Smp Id: RESC-525182 Client Smp ID: RESCD1
Inj Date : 25-AUG-2013 18:26
Operator : RRM Inst ID: 5005_1.i
Smp Info : RESC-525182,1,RESCD1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 11:01 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

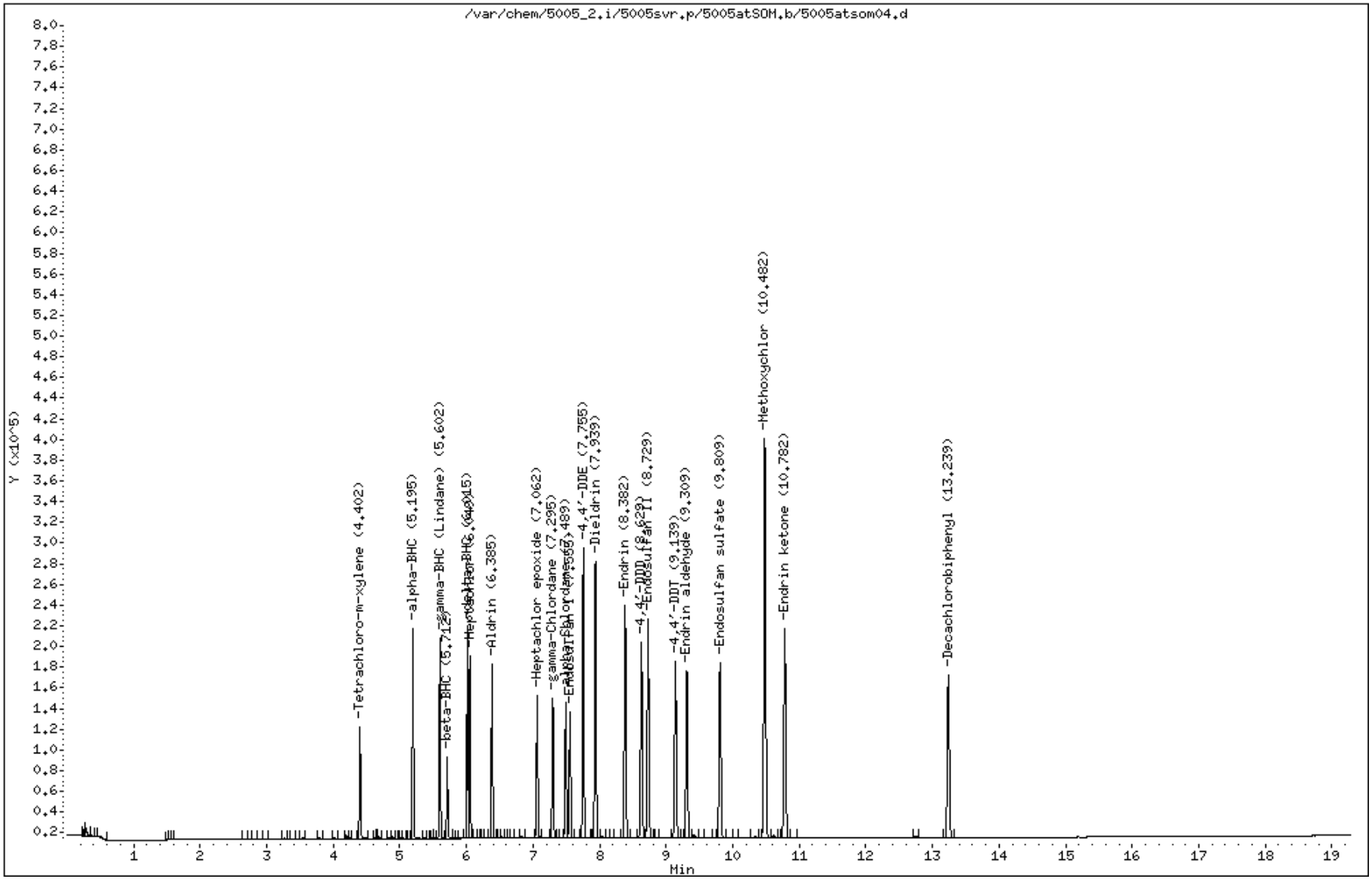
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.068	5.070	-0.002	109593	0.01000	0.008871	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.785	5.789	-0.004	194456	0.01000	0.009172	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.158	6.160	-0.002	178144	0.01000	0.008900	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.265	6.264	0.001	69187	0.01000	0.008902	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.475	6.477	-0.002	168470	0.01000	0.008713	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.732	6.734	-0.002	154636	0.01000	0.009061	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.115	7.118	-0.003	149431	0.01000	0.008879	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.945	7.949	-0.004	123746	0.01000	0.009195	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.128	8.130	-0.002	123820	0.01000	0.008858	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.328	8.330	-0.002	119327	0.01000	0.008928	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.452	8.454	-0.002	258128	0.02000	0.01811	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.538	8.540	-0.002	108774	0.01000	0.009154	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.918	8.920	-0.002	240818	0.02000	0.01884	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.305	9.308	-0.003	213203	0.02000	0.01888	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.435	9.438	-0.003	168885	0.02000	0.01796	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.692	9.691	0.001	182792	0.02000	0.01886	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.935	9.939	-0.004	156642	0.02000	0.01822	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.462	10.464	-0.002	150213	0.02000	0.01929	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.872	10.874	-0.002	363418	0.10000	0.1012	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.282	11.281	0.001	163520	0.02000	0.01909	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.802	11.804	-0.002	191233	0.02000	0.01935	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.798	13.798	0.000	161493	0.02000	0.01946	80.00- 120.00	100.00

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom04.d
Date : 25-AUG-2013 18:26
Client ID: RESCD1
Sample Info: RESC-525182,1,RESCD1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom04.d
Lab Smp Id: RESC-525182 Client Smp ID: RESCD1
Inj Date : 25-AUG-2013 18:26
Operator : RRM Inst ID: 5005_2.i
Smp Info : RESC-525182,1,RESCD1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 11:01 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

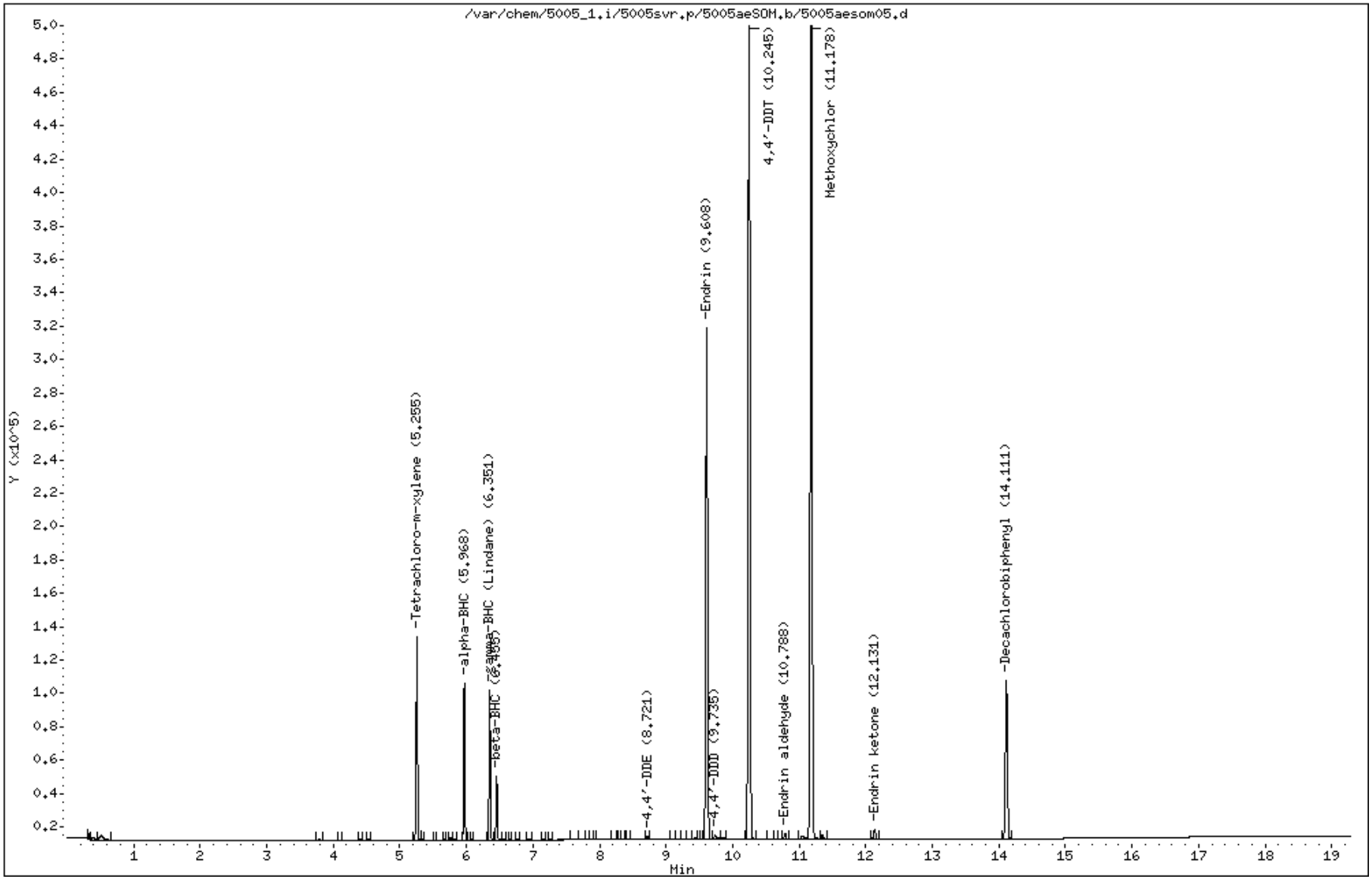
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.402	4.402	0.000	107532	0.01000	0.008892	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.195	5.200	-0.005	203085	0.01000	0.008611	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.602	5.601	0.001	193539	0.01000	0.008896	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.712	5.715	-0.003	79292	0.01000	0.009058	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.015	6.019	-0.004	204431	0.01000	0.008732	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.049	6.050	-0.001	175632	0.01000	0.009015	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
6.385	6.389	-0.004	168203	0.01000	0.008919	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.062	7.061	0.001	138058	0.01000	0.009186	80.00- 120.00	100.00
9 gamma-Chlordane					CAS #: 5103-74-2		
7.295	7.300	-0.005	134488	0.01000	0.008836	80.00- 120.00	100.00
10 alpha-Chlordane					CAS #: 5103-71-9		
7.489	7.491	-0.002	130832	0.01000	0.009036	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
7.755	7.759	-0.004	280194	0.02000	0.01827	80.00- 120.00	100.00
12 Endosulfan I					CAS #: 959-98-8		
7.555	7.559	-0.004	121789	0.01000	0.009290	80.00- 120.00	100.00
13 Dieldrin					CAS #: 60-57-1		
7.939	7.940	-0.001	266507	0.02000	0.01907	80.00- 120.00	100.00
14 Endrin					CAS #: 72-20-8		
8.382	8.386	-0.004	224879	0.02000	0.01908	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
8.629	8.630	-0.001	189621	0.02000	0.01845	80.00- 120.00	100.00
16 Endosulfan II					CAS #: 33213-65-9		
8.729	8.730	-0.001	211812	0.02000	0.01981	80.00- 120.00	100.00
17 4,4'-DDT					CAS #: 50-29-3		
9.139	9.141	-0.002	170196	0.02000	0.01826	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.309	9.311	-0.002	161875	0.02000	0.01910	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
10.482	10.485	-0.003	385335	0.10000	0.1036	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
9.809	9.810	-0.001	169701	0.02000	0.01898	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.782	10.785	-0.003	202275	0.02000	0.02001	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.239	13.241	-0.002	157383	0.02000	0.01953	80.00- 120.00	100.00

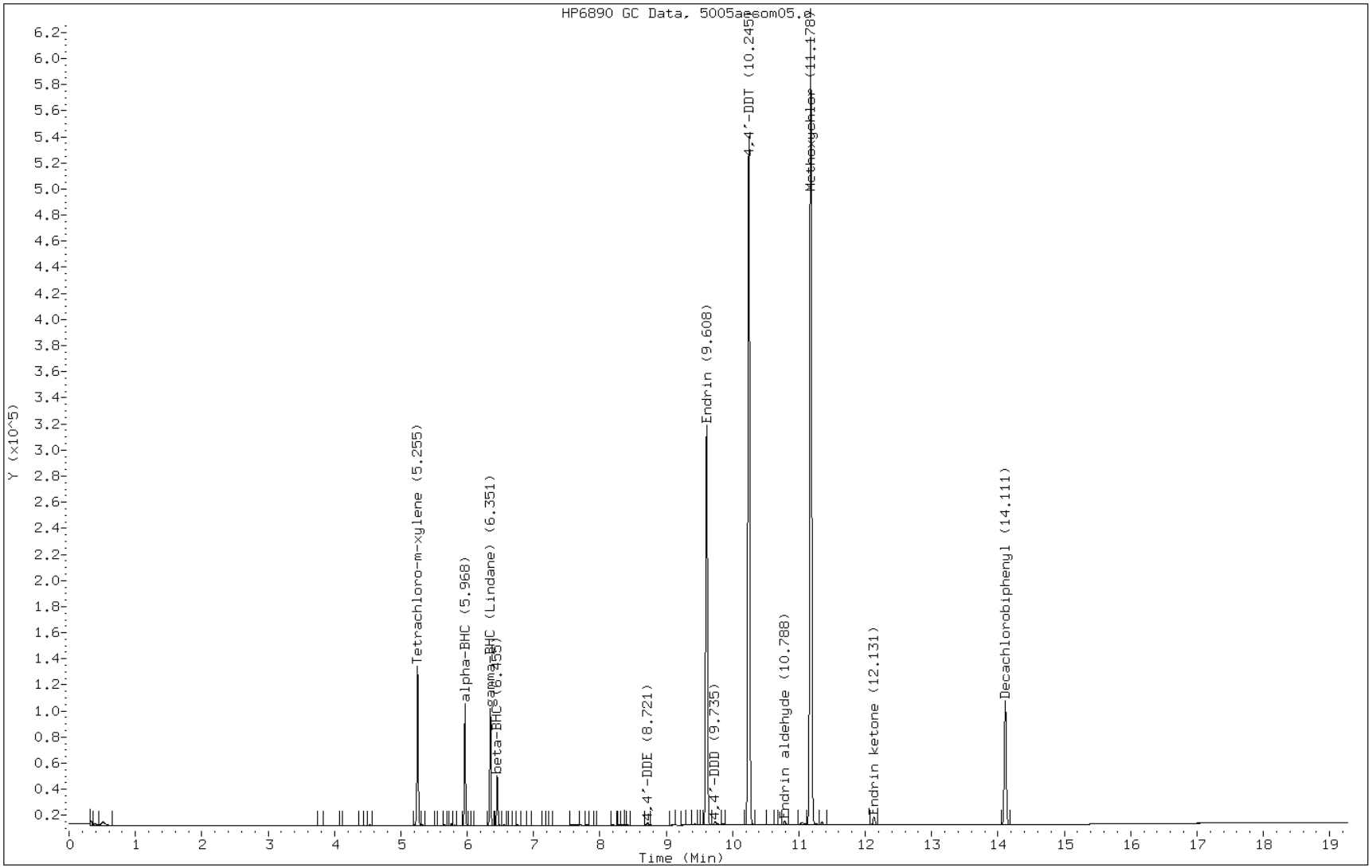
Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom05.d
Date : 05-MAR-2013 17:23
Client ID: PEMFA
Sample Info: PEM-452754,1,PEMFA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



Data File: 5005aesom05.d
Client ID: PEMFA
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-452754,1,PEMFA

Date: 05-MAR-2013 17:23
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom05.d
Lab Smp Id: PEM-452754 Client Smp ID: PEMFA
Inj Date : 05-MAR-2013 17:23
Operator : KTL Inst ID: 5005_1.i
Smp Info : PEM-452754,1,PEMFA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6		
5.255	5.254	0.001	122043	0.02000	0.01851	80.00- 120.00		100.00
2 alpha-BHC						CAS #: 319-84-6		
5.968	5.969	-0.001	93715	0.01000	0.008948	80.00- 120.00		100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9		
6.351	6.350	0.001	89812	0.01000	0.008727	80.00- 120.00		100.00
4 beta-BHC						CAS #: 319-85-7		
6.455	6.459	-0.004	38114	0.01000	0.009289	80.00- 120.00		100.00
11 4,4'-DDE						CAS #: 72-55-9		
8.721	8.721	0.000	2095	0.00000	0.0002815	80.00- 120.00		100.00(a)
14 Endrin						CAS #: 72-20-8		
9.608	9.610	-0.002	306261	0.05000	0.04944	80.00- 120.00		100.00
15 4,4'-DDD						CAS #: 72-54-8		
9.735	9.733	0.002	2130	0.00000	0.0004116	80.00- 120.00		100.00(a)

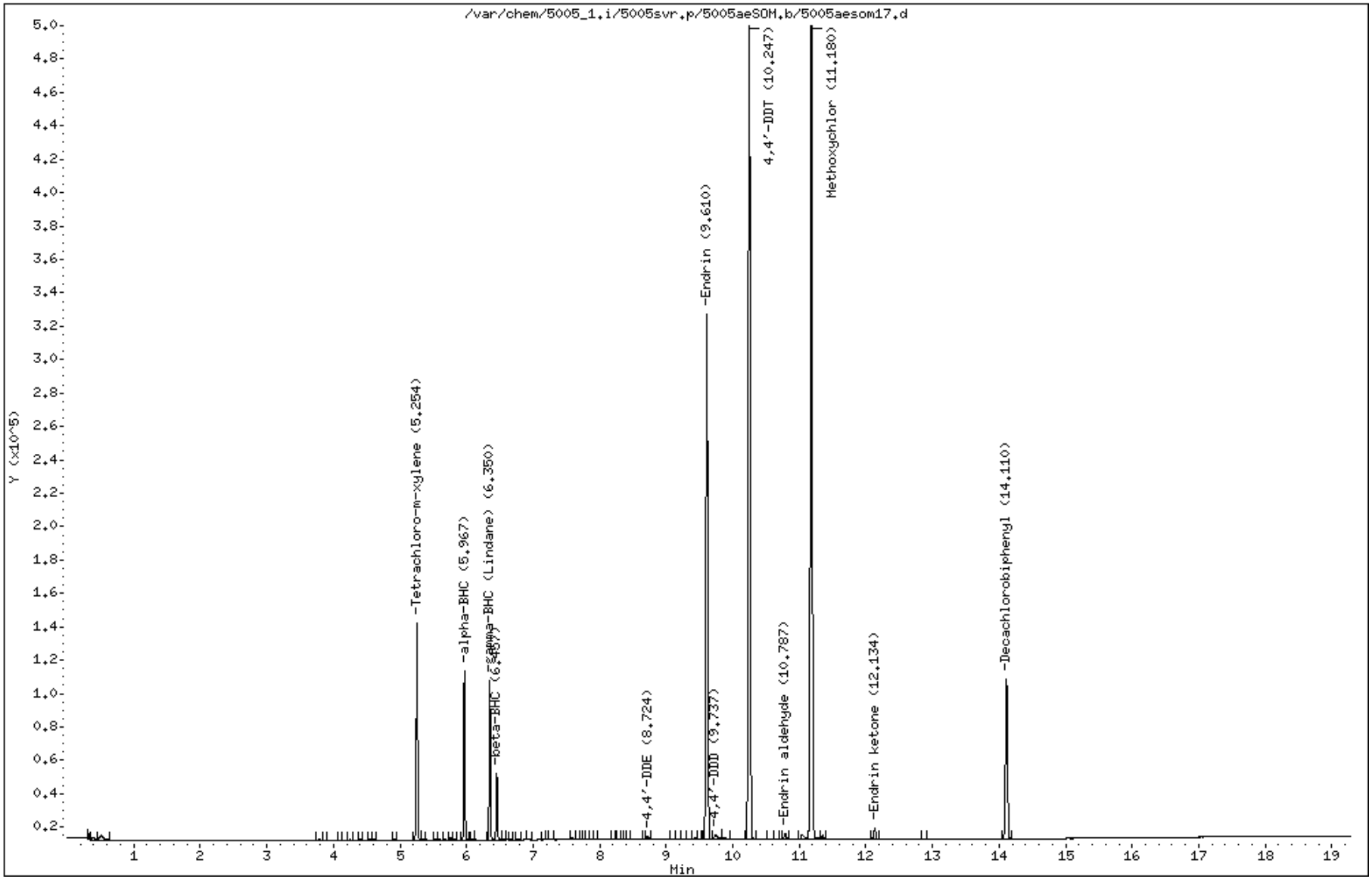
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
10.245	10.249	-0.004	527856	0.10000	0.1117	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.788	10.789	-0.001	3194	0.00000	0.0007057	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
11.178	11.180	-0.002	603351	0.25000	0.2574	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
12.131	12.134	-0.003	6076	0.00000	0.001036	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.111	14.111	0.000	95031	0.02000	0.01923	80.00- 120.00	100.00

QC Flag Legend

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

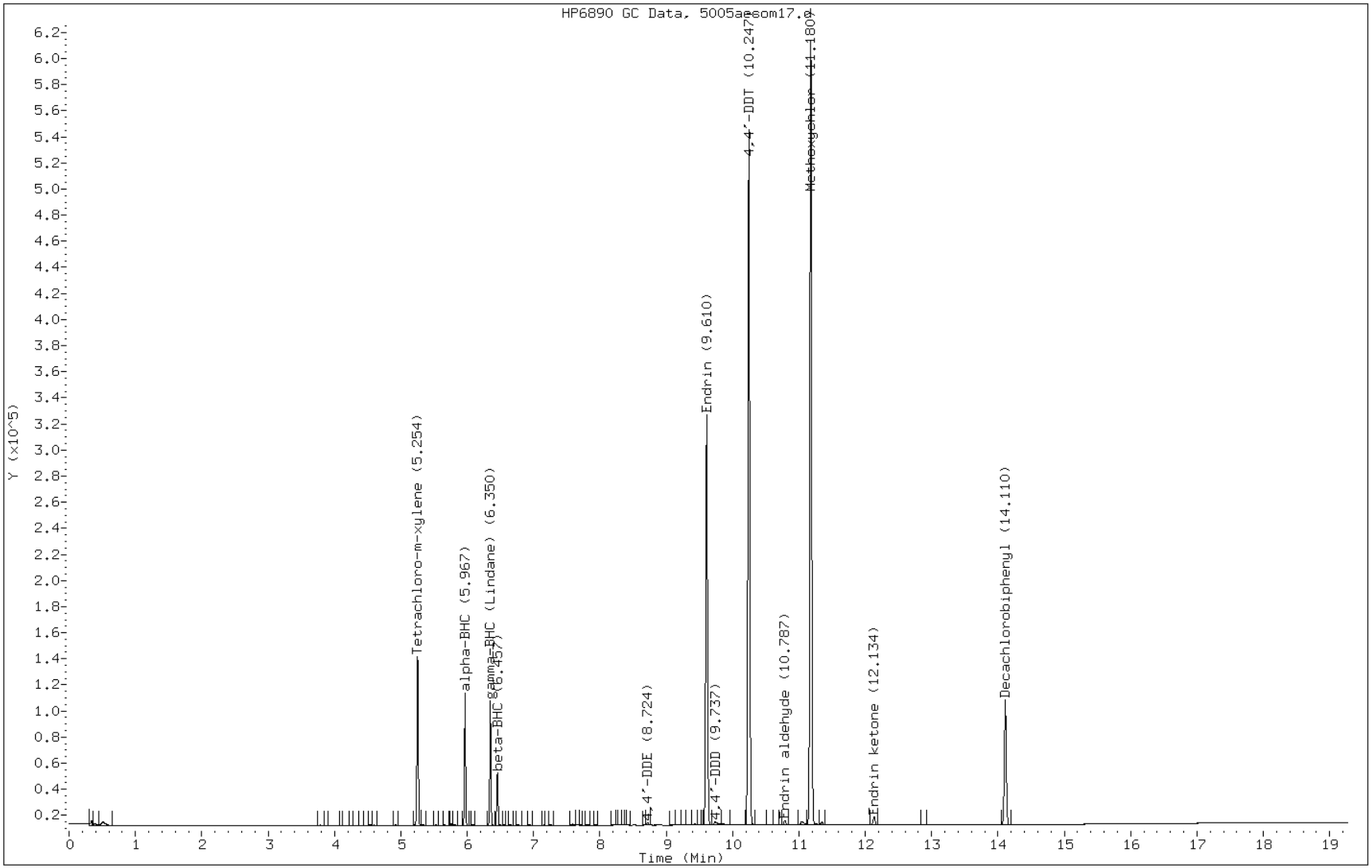
Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom17.d
Date : 05-MAR-2013 21:58
Client ID: PEMFB
Sample Info: PEM-452754,1,PEMFB
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



Data File: 5005aesom17.d
Client ID: PEMFB
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-452754,1,PEMFB

Date: 05-MAR-2013 21:58
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom17.d
Lab Smp Id: PEM-452754 Client Smp ID: PEMFB
Inj Date : 05-MAR-2013 21:58
Operator : KTL Inst ID: 5005_1.i
Smp Info : PEM-452754,1,PEMFB
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.254	5.254	0.000	129670	0.02000	0.01967	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.967	5.969	-0.002	101323	0.01000	0.009674	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.350	6.350	0.000	95423	0.01000	0.009272	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.457	6.459	-0.002	40091	0.01000	0.009771	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.724	8.721	0.003	2157	0.00000	0.0002899	80.00- 120.00	100.00(a)
14 Endrin						CAS #: 72-20-8	
9.610	9.610	0.000	314469	0.05000	0.05077	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.737	9.733	0.004	2451	0.00000	0.0004737	80.00- 120.00	100.00(a)

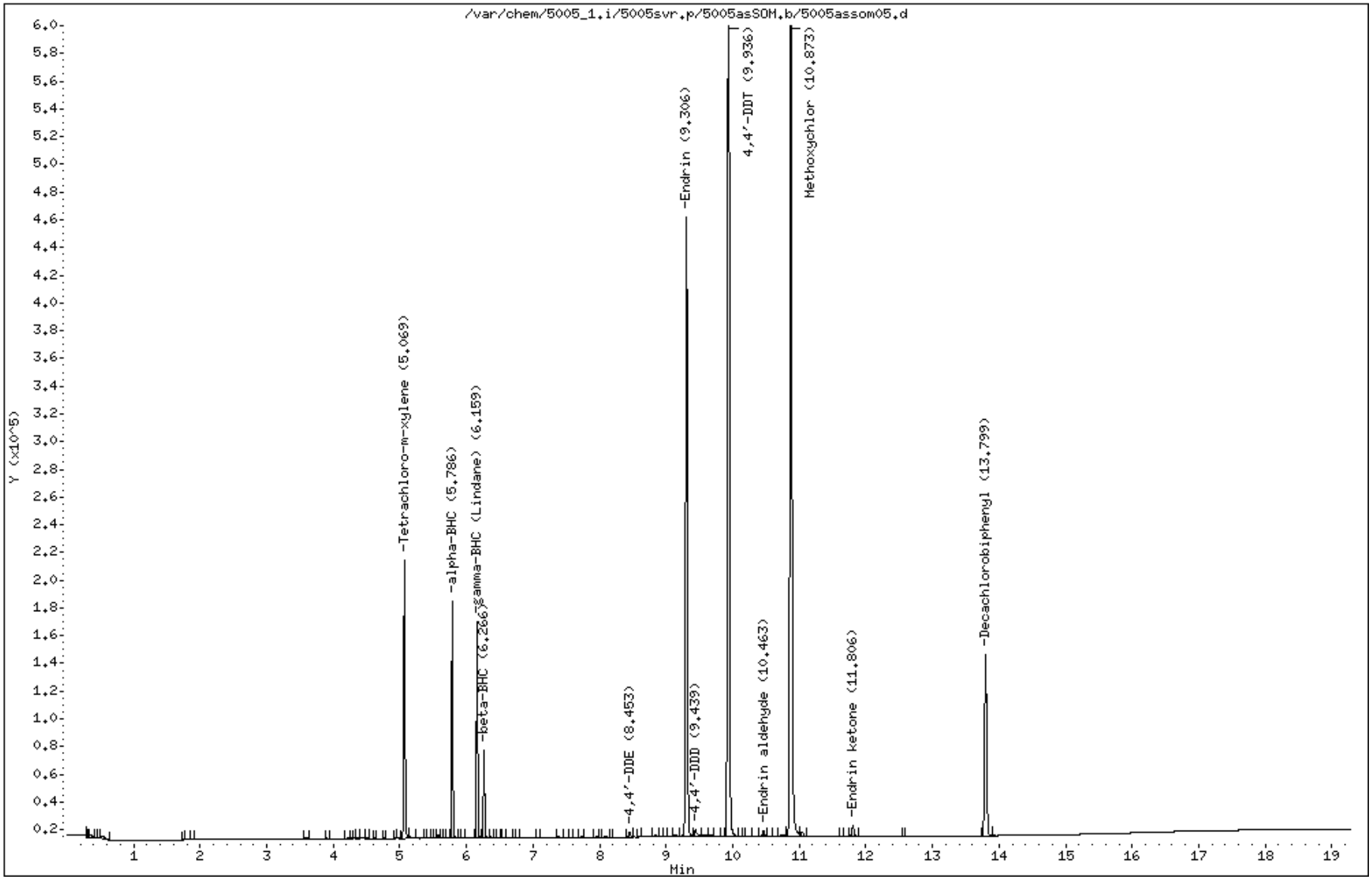
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
10.247	10.249	-0.002	532404	0.10000	0.1126	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.787	10.789	-0.002	3441	0.00000	0.0007603	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
11.180	11.180	0.000	600789	0.25000	0.2563	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
12.134	12.134	0.000	6247	0.00000	0.001065	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.110	14.111	-0.001	95866	0.02000	0.01940	80.00- 120.00	100.00

QC Flag Legend

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

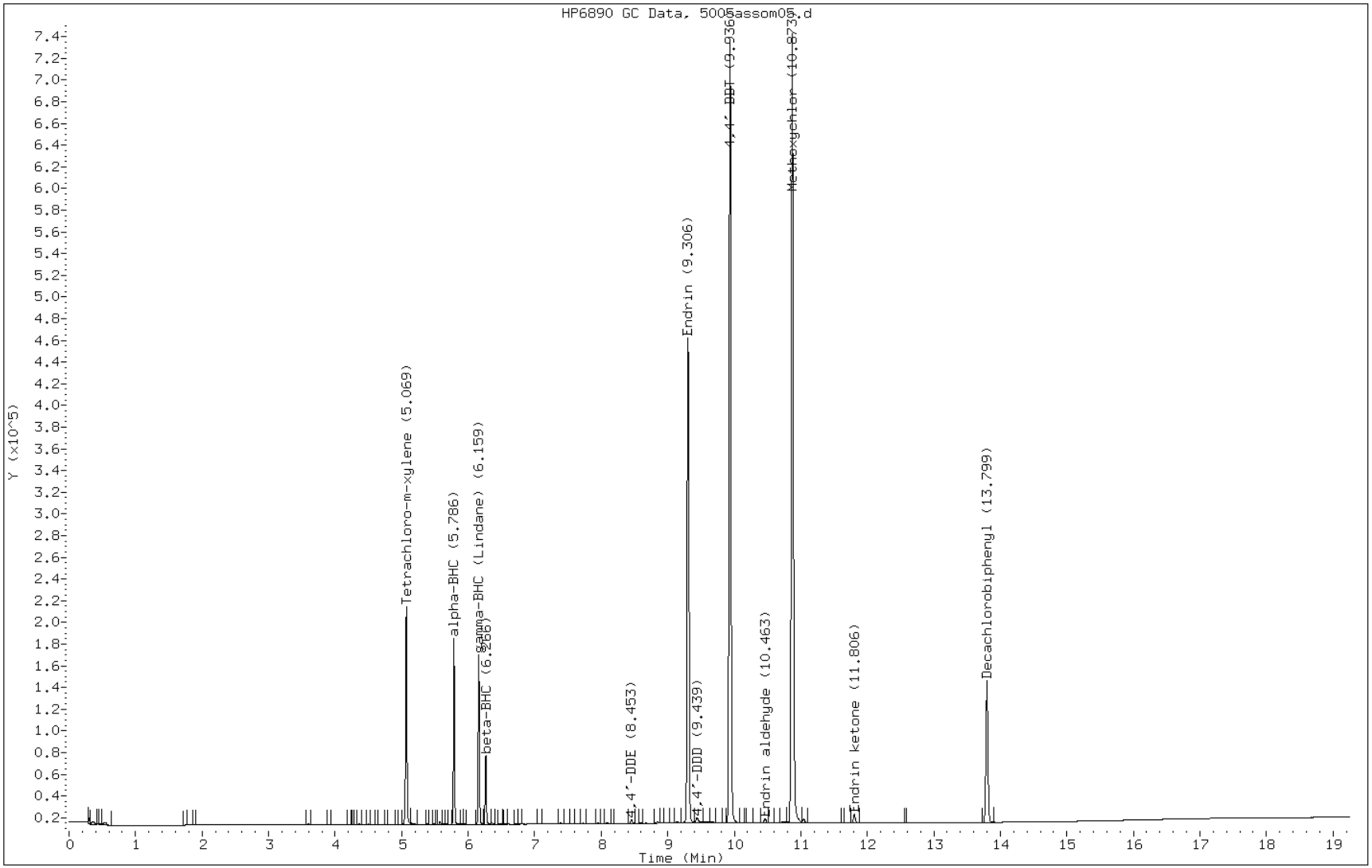
Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom05.d
Date : 16-AUG-2013 19:01
Client ID: PEMA1
Sample Info: PEM-544246,1,PEMA1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005assom05.d
Client ID: PEMA1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246,1,PEMA1

Date: 16-AUG-2013 19:01
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom05.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMA1
Inj Date : 16-AUG-2013 19:01
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246,1,PEMA1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.069	5.070	-0.001	200933	0.02000	0.02014	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	171328	0.01000	0.009607	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.159	6.160	-0.001	156447	0.01000	0.009627	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.263	0.003	63079	0.01000	0.009882	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.453	8.453	0.000	3531	0.00000	0.0003339	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.306	9.305	0.001	447172	0.05000	0.05154	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.439	9.433	0.006	4544	0.00000	0.0006207	80.00- 120.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.936	9.936	0.000	720814	0.10000	0.1110	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.463	10.461	0.002	3912	0.00000	0.0006252	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.873	10.871	0.002	728170	0.25000	0.2559	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.806	11.802	0.004	8030	0.00000	0.0009885	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.799	13.798	0.001	130487	0.02000	0.01961	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom17.d

Date : 16-AUG-2013 23:32

Client ID: PEMA2

Instrument: 5005_1.i

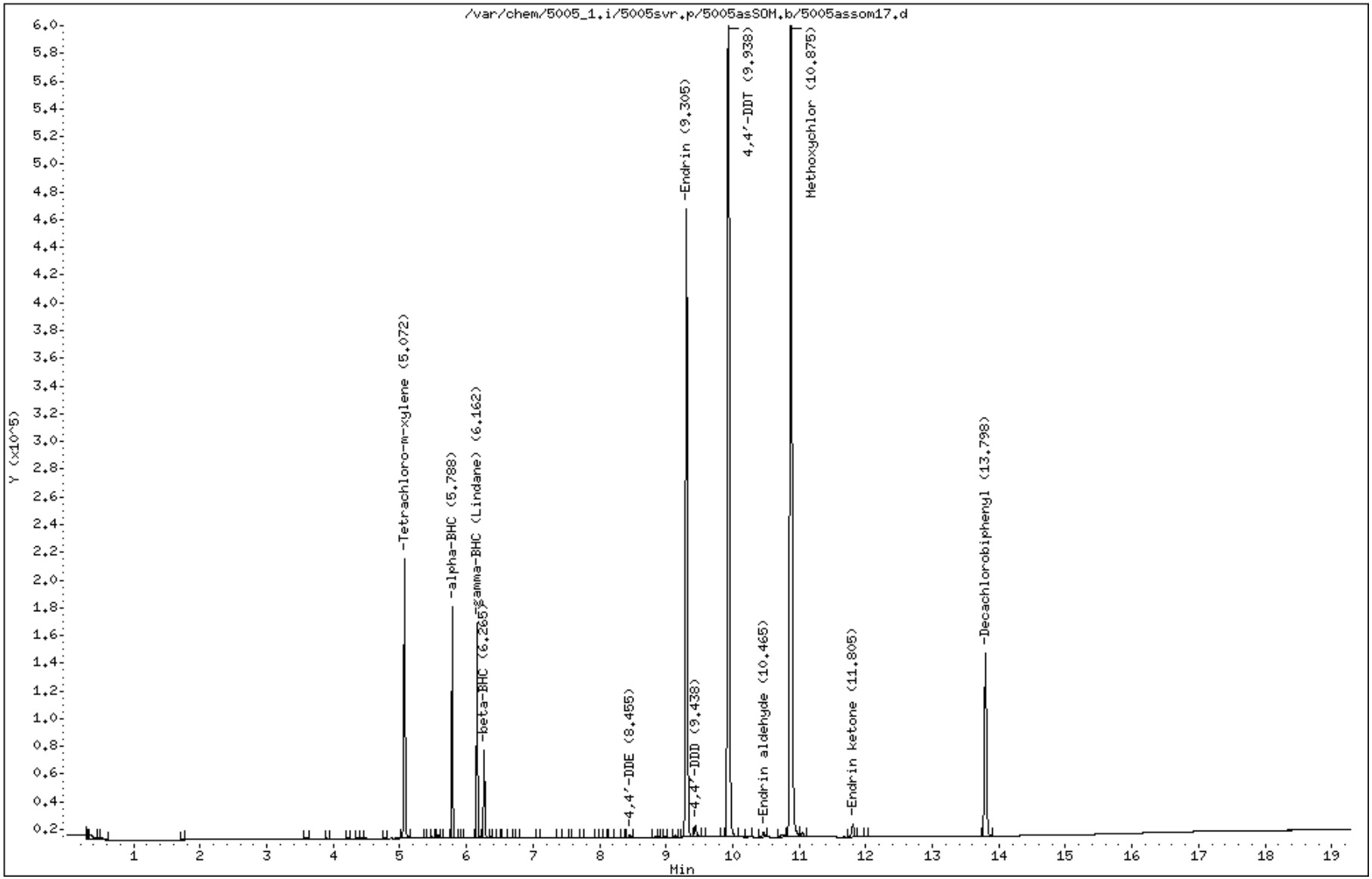
Sample Info: PEM-544246,1,PEMA2

Volume Injected (uL): 1.0

Operator: RRM

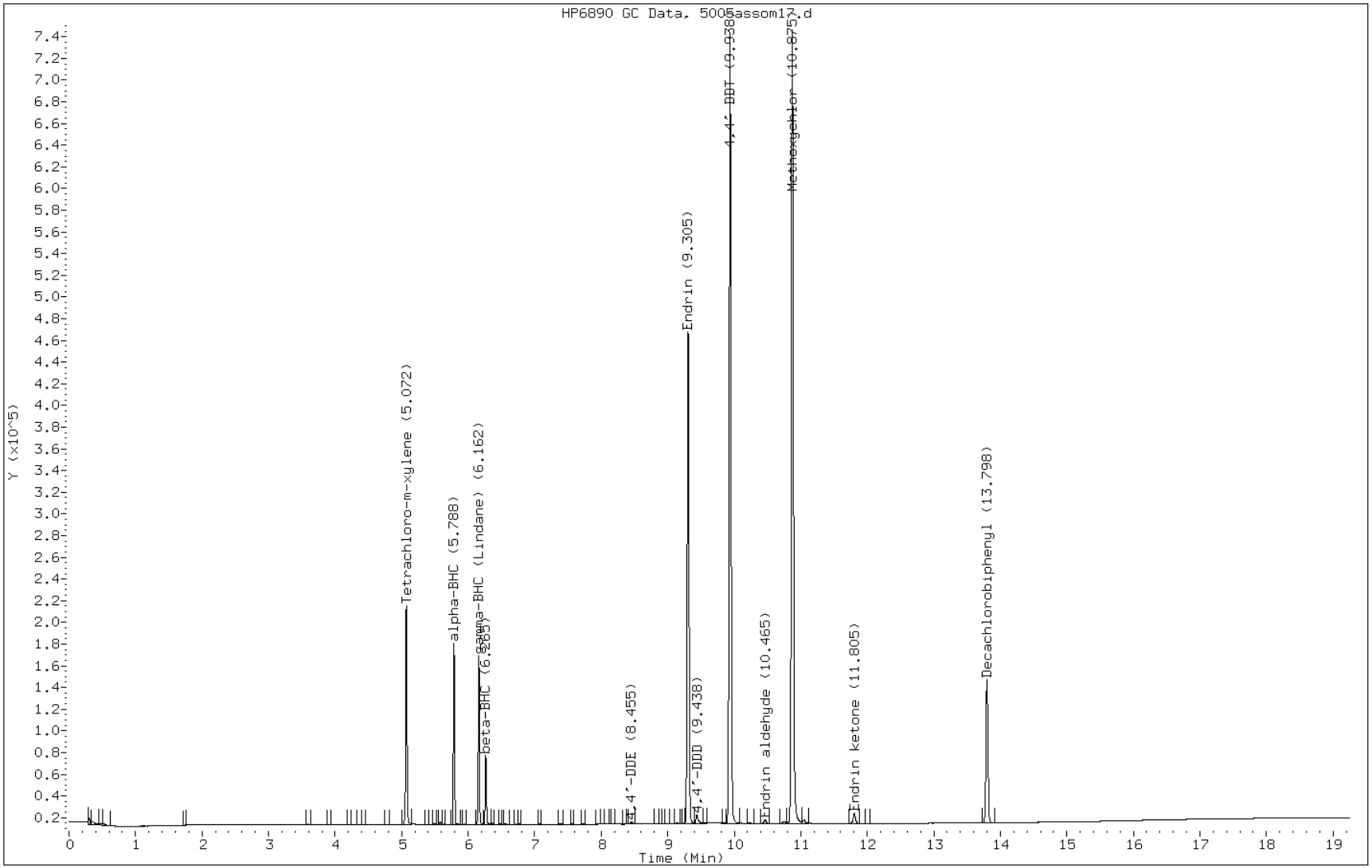
Column phase: RTX-CLP

Column diameter: 0.32



Data File: 5005assom17.d
Client ID: PEMA2
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246,1,PEMA2

Date: 16-AUG-2013 23:32
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom17.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMA2
Inj Date : 16-AUG-2013 23:32
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246,1,PEMA2
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	201940	0.02000	0.02024	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.788	5.789	-0.001	167460	0.01000	0.009390	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.162	6.160	0.002	155546	0.01000	0.009572	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.265	6.263	0.002	63362	0.01000	0.009926	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.455	8.453	0.002	2454	0.00000	0.0002320	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.305	9.305	0.000	452763	0.05000	0.05219	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.438	9.433	0.005	7861	0.00000	0.001074	80.00- 120.00	100.00(a)

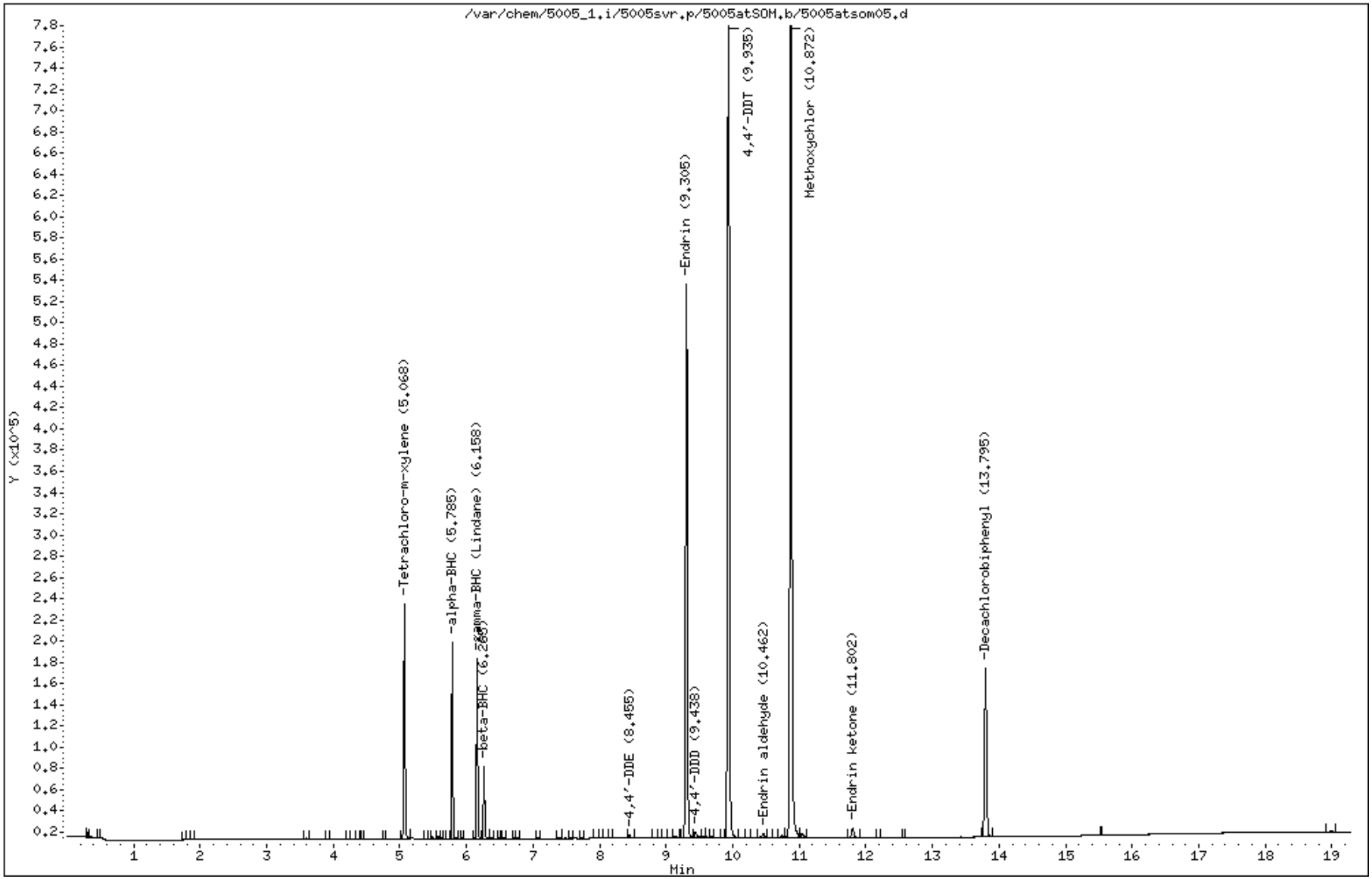
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.938	9.936	0.002	729367	0.10000	0.1123	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.465	10.461	0.004	3791	0.00000	0.0006059	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.875	10.871	0.004	731749	0.25000	0.2572	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.805	11.802	0.003	9278	0.00000	0.001142	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	131576	0.02000	0.01977	80.00- 120.00	100.00

QC Flag Legend

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

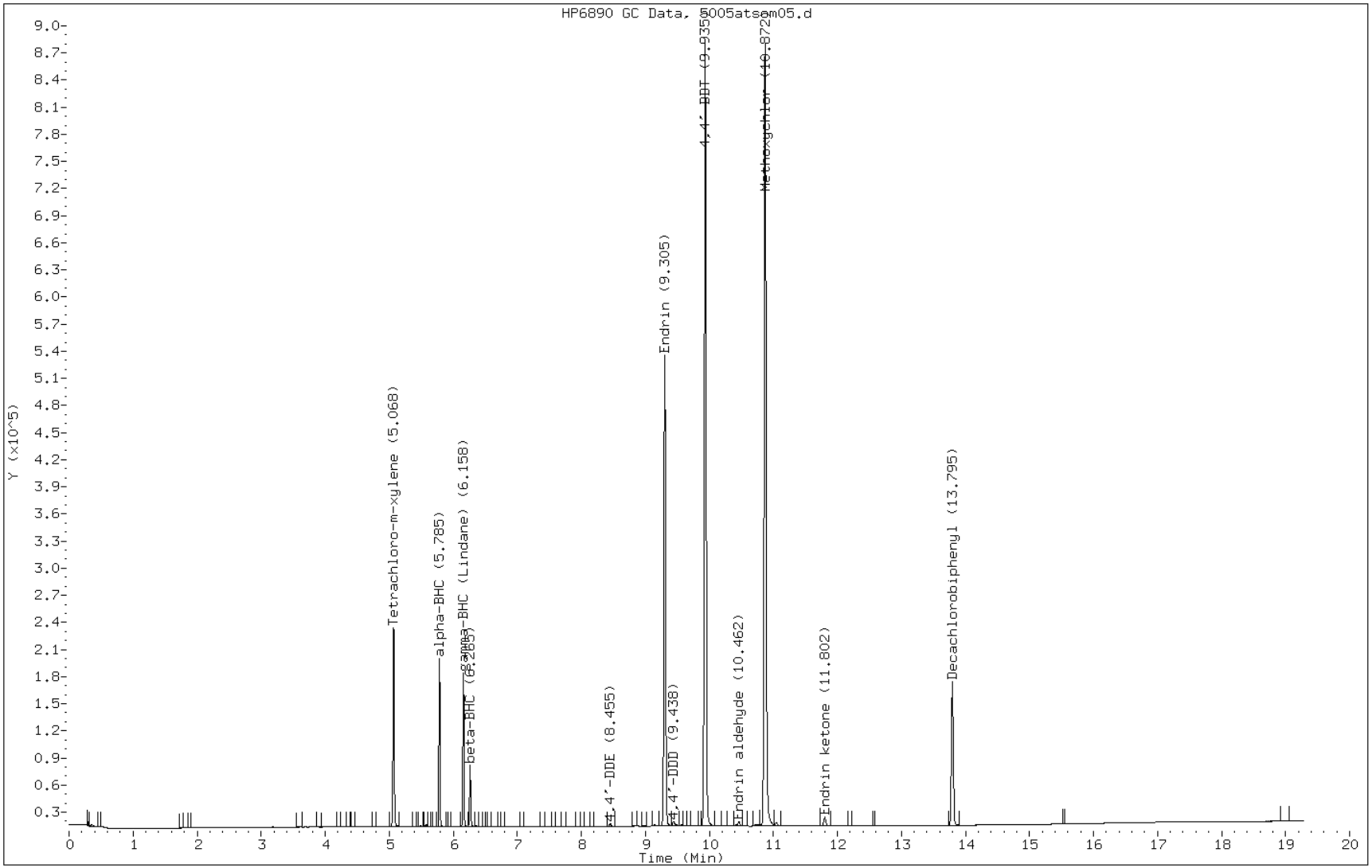
Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom05.d
Date : 25-AUG-2013 18:49
Client ID: PEMD1
Sample Info: PEM-544246,1,PEMD1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom05.d
Client ID: PEMD1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246,1,PEMD1

Date: 25-AUG-2013 18:49
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom05.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD1
Inj Date : 25-AUG-2013 18:49
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246,1,PEMD1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.068	5.070	-0.002	220679	0.02000	0.01786	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.785	5.789	-0.004	185699	0.01000	0.008759	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.158	6.160	-0.002	169893	0.01000	0.008488	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.265	6.264	0.001	68093	0.01000	0.008761	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.455	8.454	0.001	3184	0.00000	0.0002234	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.305	9.308	-0.003	521132	0.05000	0.04615	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.438	9.438	0.000	4898	0.00000	0.0005209	80.00- 120.00	100.00(a)

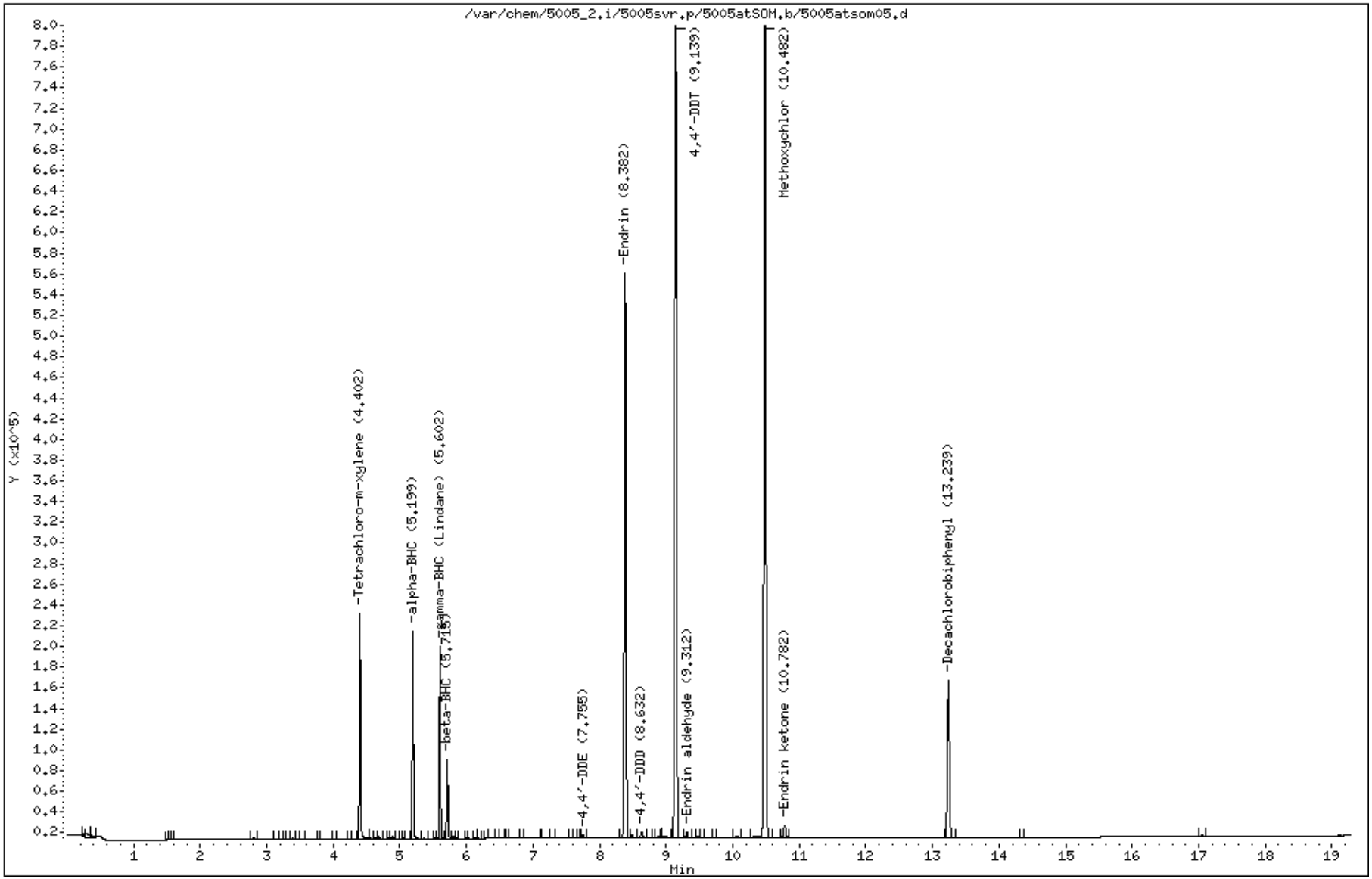
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.935	9.939	-0.004	870550	0.10000	0.1012	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.462	10.464	-0.002	4333	0.00000	0.0005564	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.872	10.874	-0.002	866446	0.25000	0.2413	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.802	11.804	-0.002	9474	0.00000	0.0009586	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.795	13.798	-0.003	159207	0.02000	0.01919	80.00- 120.00	100.00

QC Flag Legend

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

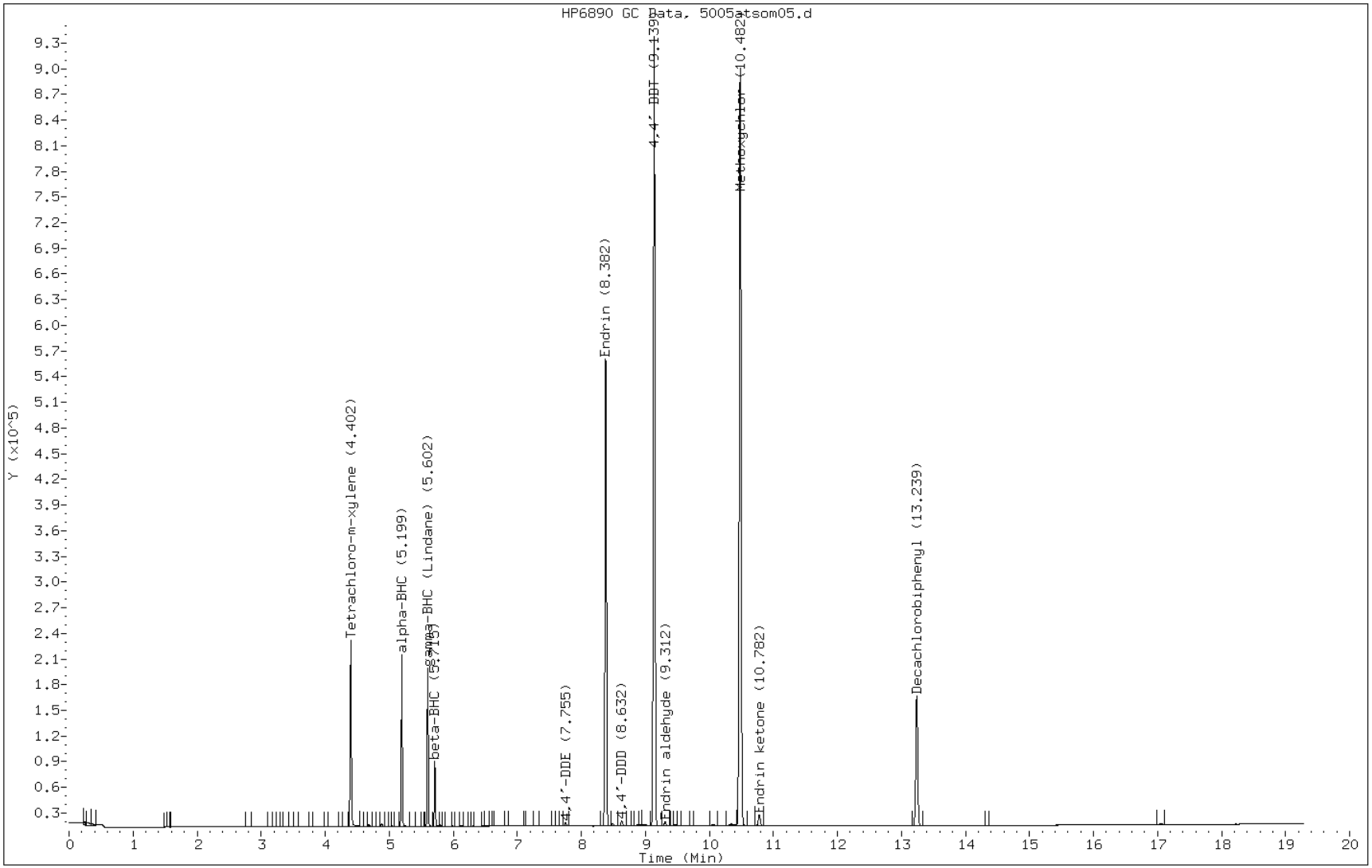
Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom05.d
Date : 25-AUG-2013 18:49
Client ID: PEMD1
Sample Info: PEM-544246,1,PEMD1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom05.d
Client ID: PEMD1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: PEM-544246,1,PEMD1

Date: 25-AUG-2013 18:49
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom05.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD1
Inj Date : 25-AUG-2013 18:49
Operator : RRM Inst ID: 5005_2.i
Smp Info : PEM-544246,1,PEMD1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	============		=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
4.402	4.402	0.000	217949	0.02000	0.01802	80.00- 120.00		100.00
2 alpha-BHC						CAS #: 319-84-6		
5.199	5.200	-0.001	200357	0.01000	0.008495	80.00- 120.00		100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9		
5.602	5.601	0.001	185487	0.01000	0.008526	80.00- 120.00		100.00
4 beta-BHC						CAS #: 319-85-7		
5.715	5.715	0.000	75762	0.01000	0.008654	80.00- 120.00		100.00
11 4,4'-DDE						CAS #: 72-55-9		
7.755	7.759	-0.004	3647	0.00000	0.0002377	80.00- 120.00		100.00(a)
14 Endrin						CAS #: 72-20-8		
8.382	8.386	-0.004	546034	0.05000	0.04632	80.00- 120.00		100.00
15 4,4'-DDD						CAS #: 72-54-8		
8.632	8.630	0.002	5731	0.00000	0.0005576	80.00- 120.00		100.00(a)

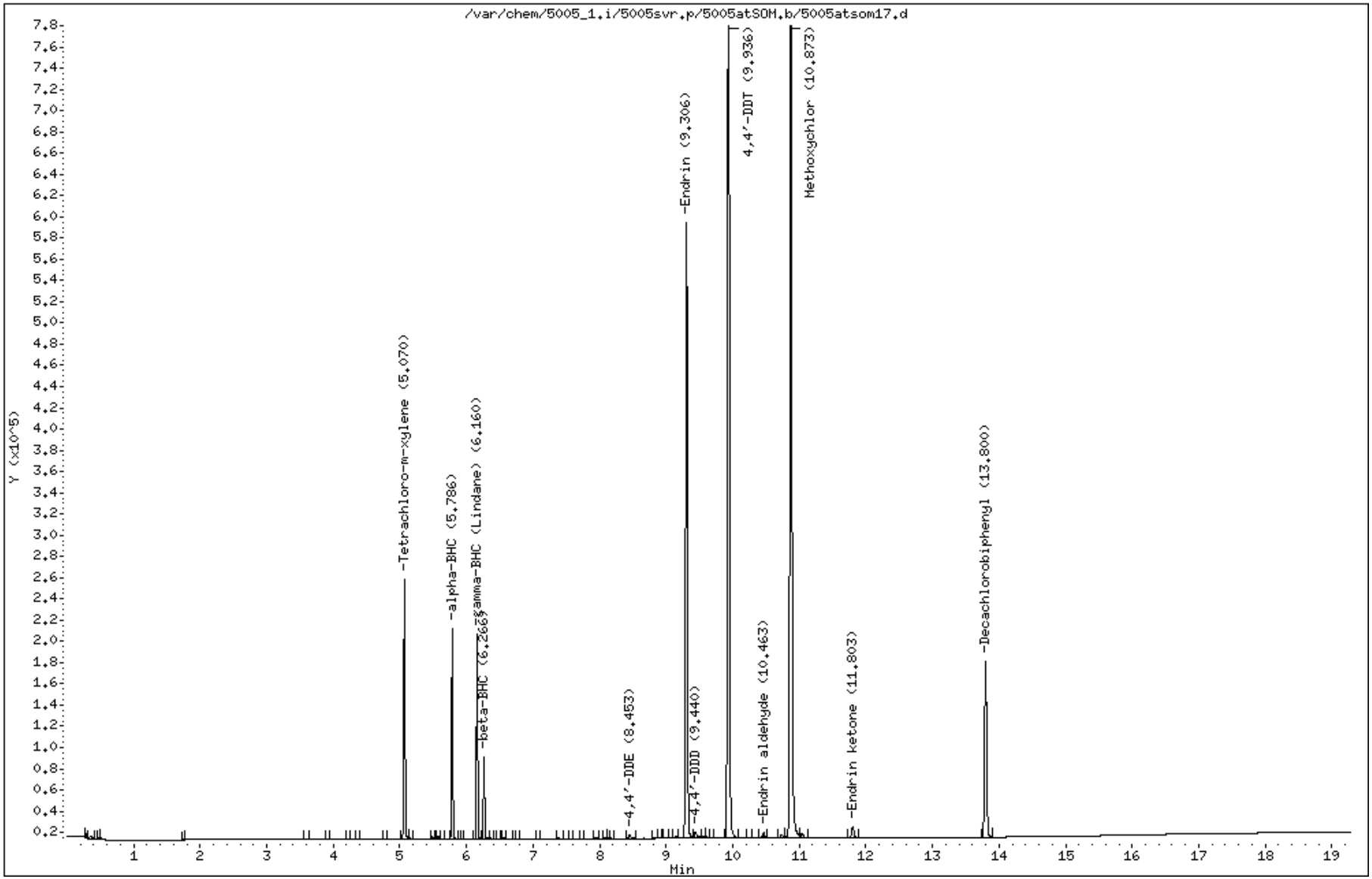
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.139	9.141	-0.002	922769	0.10000	0.09898	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.312	9.311	0.001	5057	0.00000	0.0005967	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.482	10.485	-0.003	885209	0.25000	0.2379	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.782	10.785	-0.003	12294	0.00000	0.001216	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.239	13.241	-0.002	151842	0.02000	0.01884	80.00- 120.00	100.00

QC Flag Legend

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

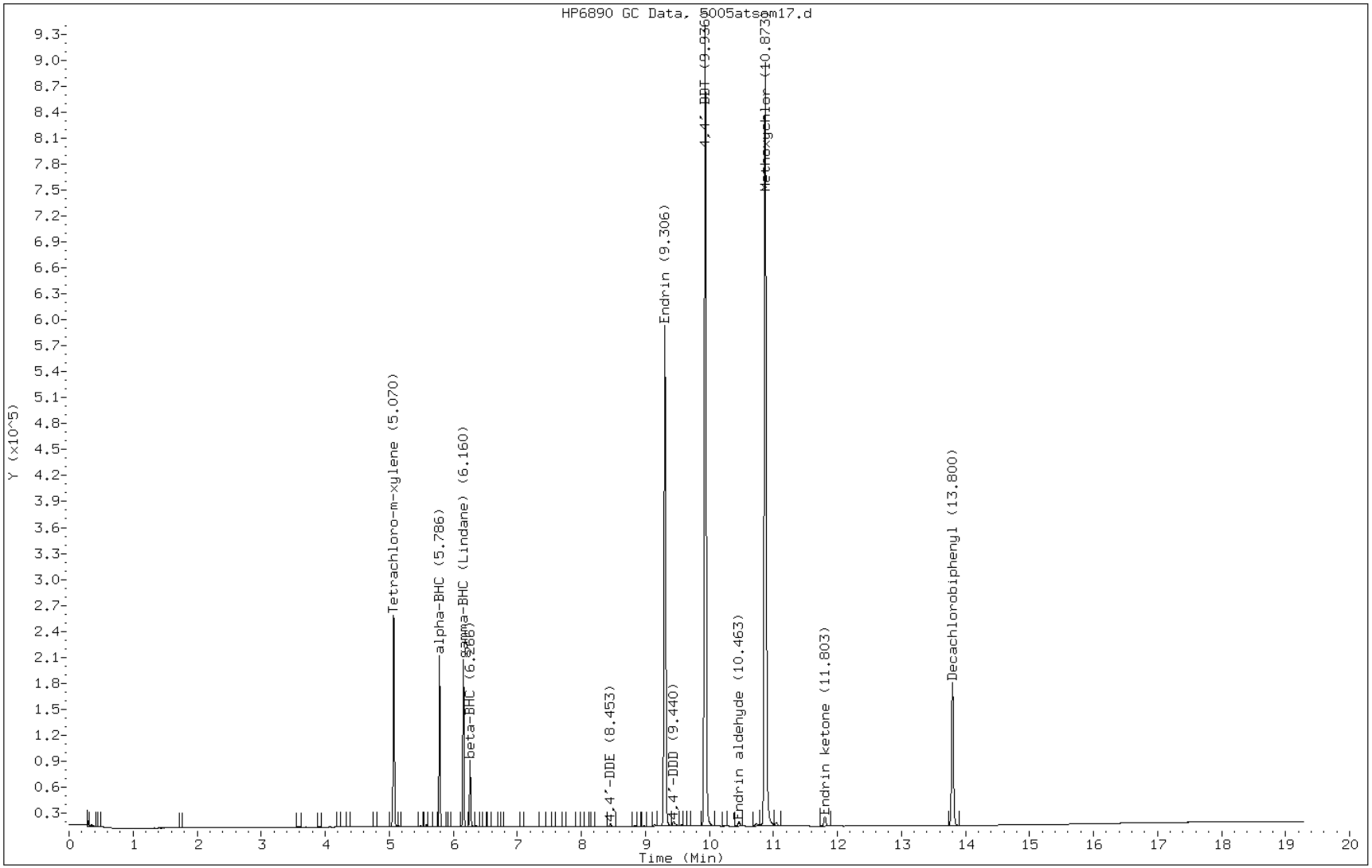
Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom17.d
Date : 25-AUG-2013 23:20
Client ID: PEMD2
Sample Info: PEM-544246,1,PEMD2
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom17.d
Client ID: PEMD2
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246,1,PEMD2

Date: 25-AUG-2013 23:20
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom17.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD2
Inj Date : 25-AUG-2013 23:20
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246,1,PEMD2
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	245067	0.02000	0.01984	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	197518	0.01000	0.009316	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	193060	0.01000	0.009645	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.264	0.002	76752	0.01000	0.009876	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.453	8.454	-0.001	3575	0.00000	0.0002508	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.306	9.308	-0.002	579217	0.05000	0.05129	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.440	9.438	0.002	5226	0.00000	0.0005557	80.00- 120.00	100.00(a)

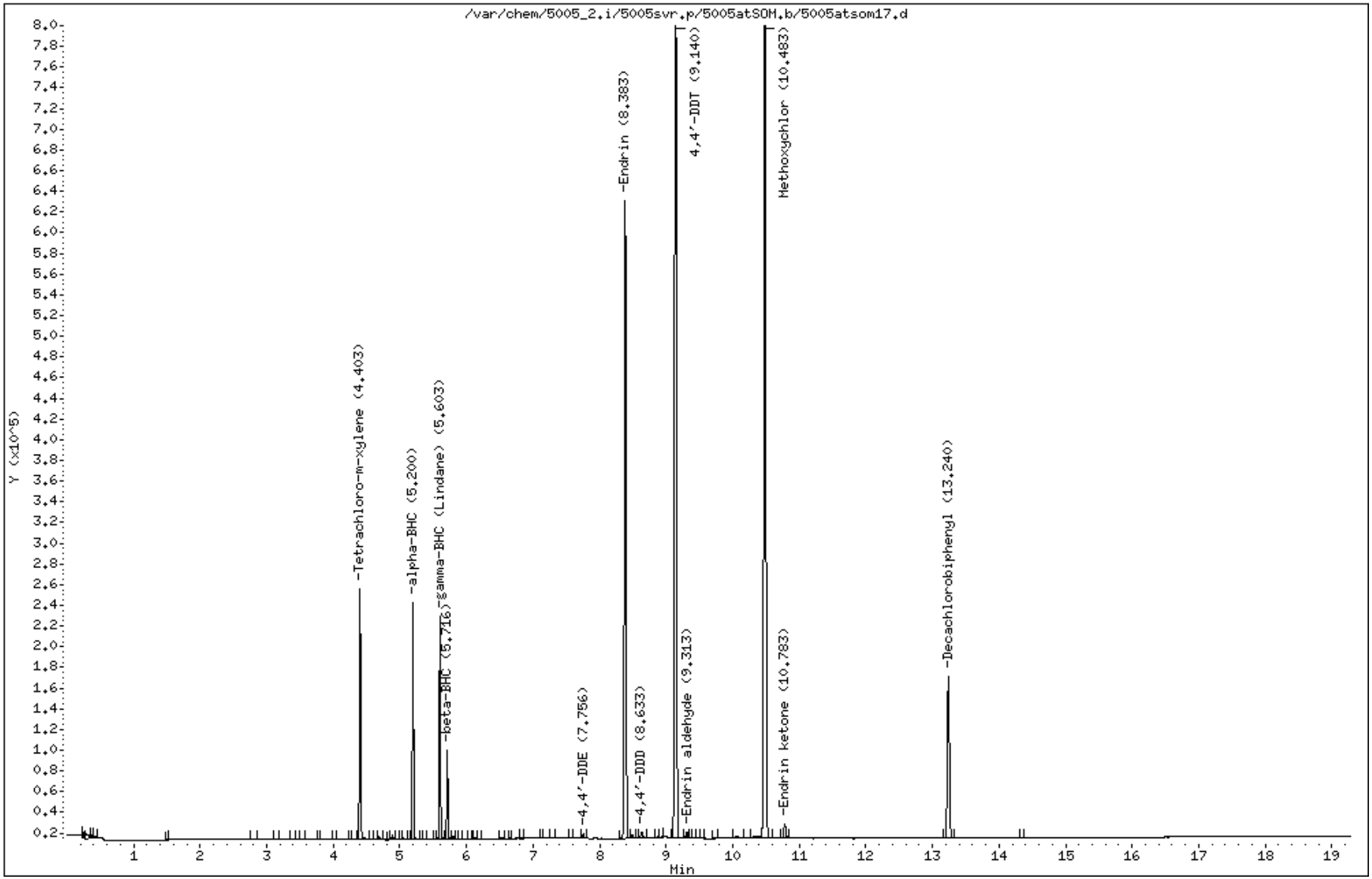
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.936	9.939	-0.003	932790	0.10000	0.1085	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.463	10.464	-0.001	4768	0.00000	0.0006123	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.873	10.874	-0.001	882823	0.25000	0.2459	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.803	11.804	-0.001	10754	0.00000	0.001088	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.800	13.798	0.002	165813	0.02000	0.01998	80.00- 120.00	100.00

QC Flag Legend

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

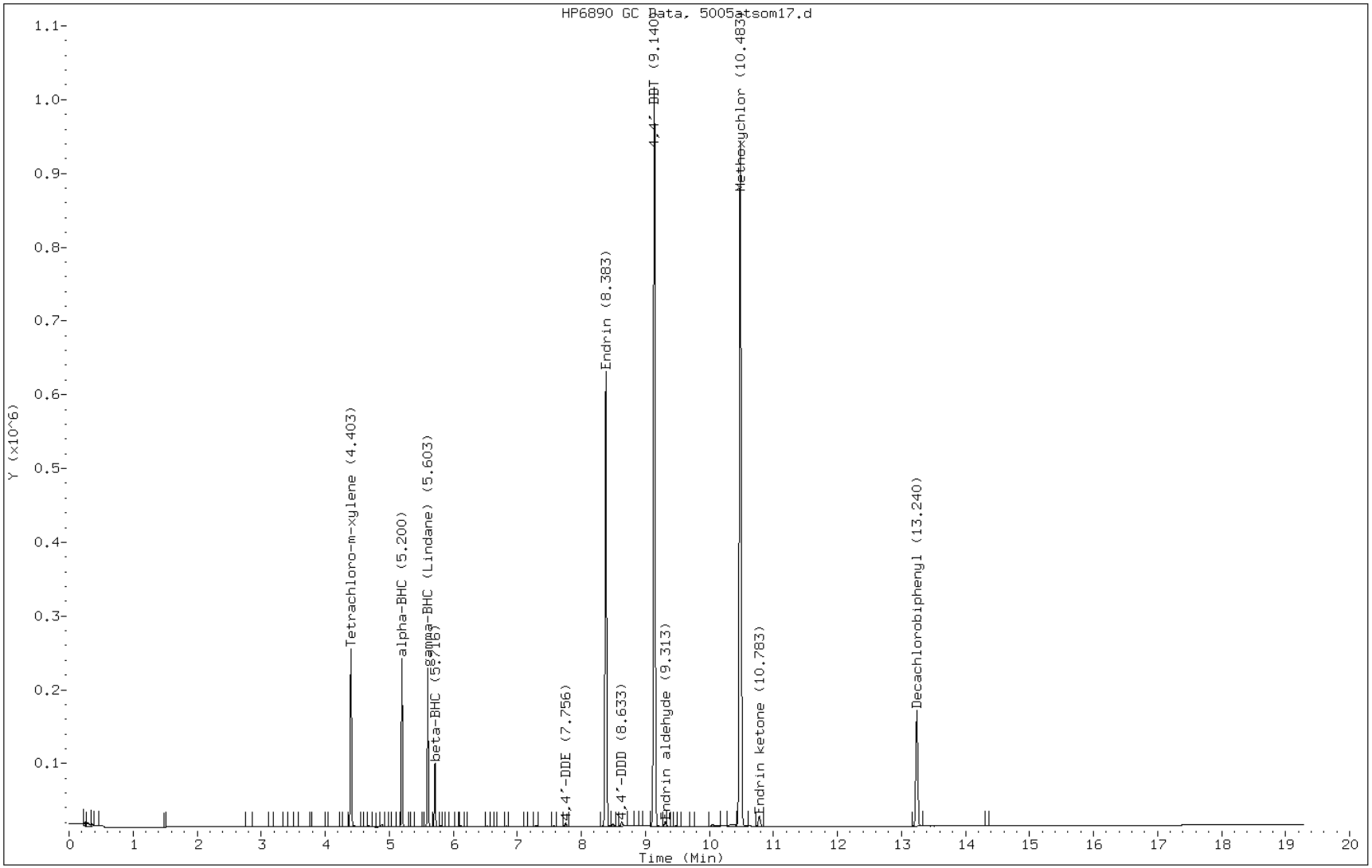
Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom17.d
Date : 25-AUG-2013 23:20
Client ID: PEMD2
Sample Info: PEM-544246,1,PEMD2
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom17.d
Client ID: PEMD2
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: PEM-544246,1,PEMD2

Date: 25-AUG-2013 23:20
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom17.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD2
Inj Date : 25-AUG-2013 23:20
Operator : RRM Inst ID: 5005_2.i
Smp Info : PEM-544246,1,PEMD2
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.403	4.402	0.001	241191	0.02000	0.01994	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.200	5.200	0.000	228088	0.01000	0.009671	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.603	5.601	0.002	214969	0.01000	0.009881	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.716	5.715	0.001	86167	0.01000	0.009843	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
7.756	7.759	-0.003	4354	0.00000	0.0002838	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
8.383	8.386	-0.003	616096	0.05000	0.05227	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
8.633	8.630	0.003	5979	0.00000	0.0005817	80.00- 120.00	100.00(a)

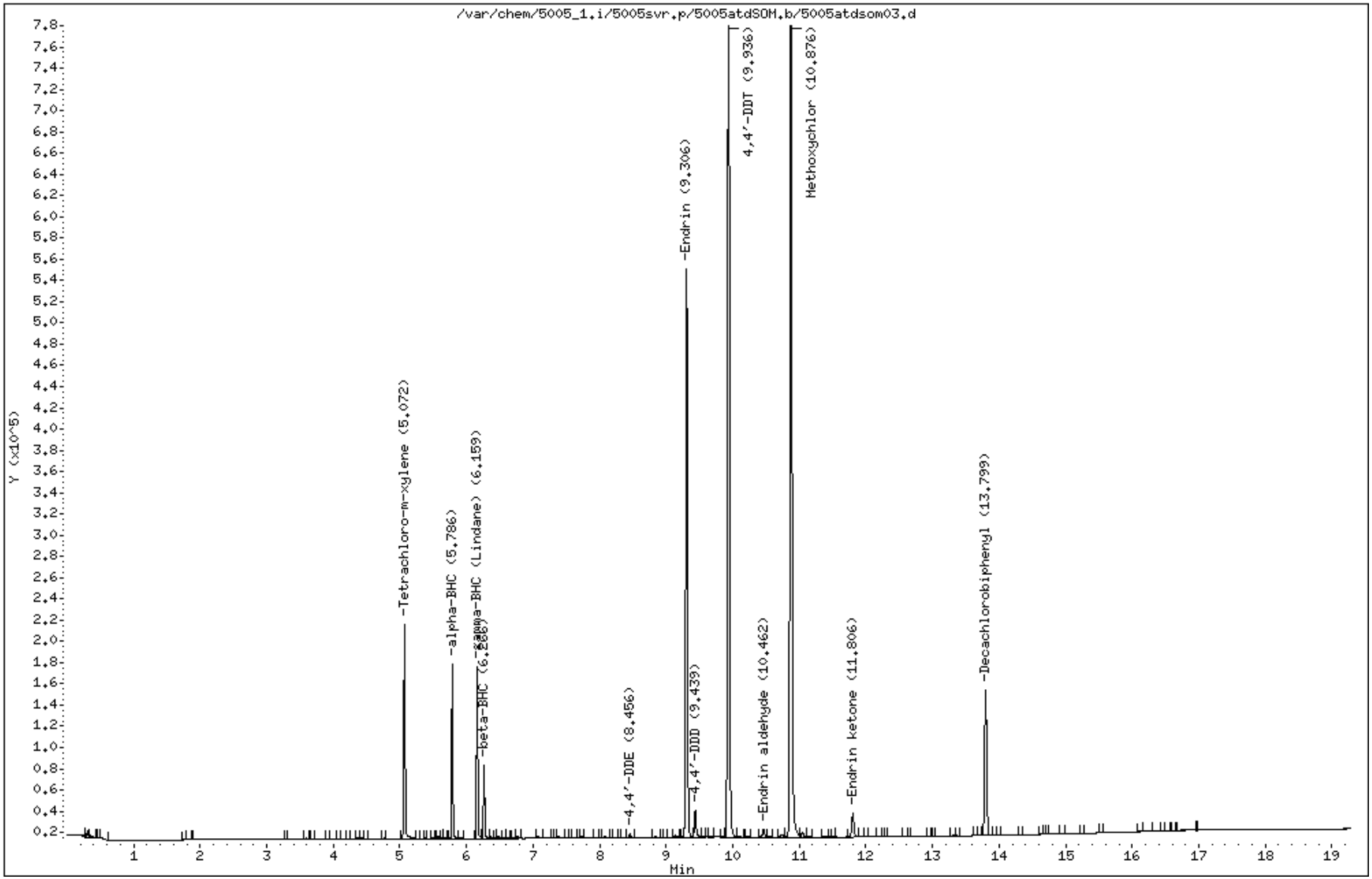
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.140	9.141	-0.001	1001196	0.10000	0.1074	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.313	9.311	0.002	5831	0.00000	0.0006880	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.483	10.485	-0.002	928225	0.25000	0.2495	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.783	10.785	-0.002	13836	0.00000	0.001368	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.240	13.241	-0.001	156502	0.02000	0.01942	80.00- 120.00	100.00

QC Flag Legend

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

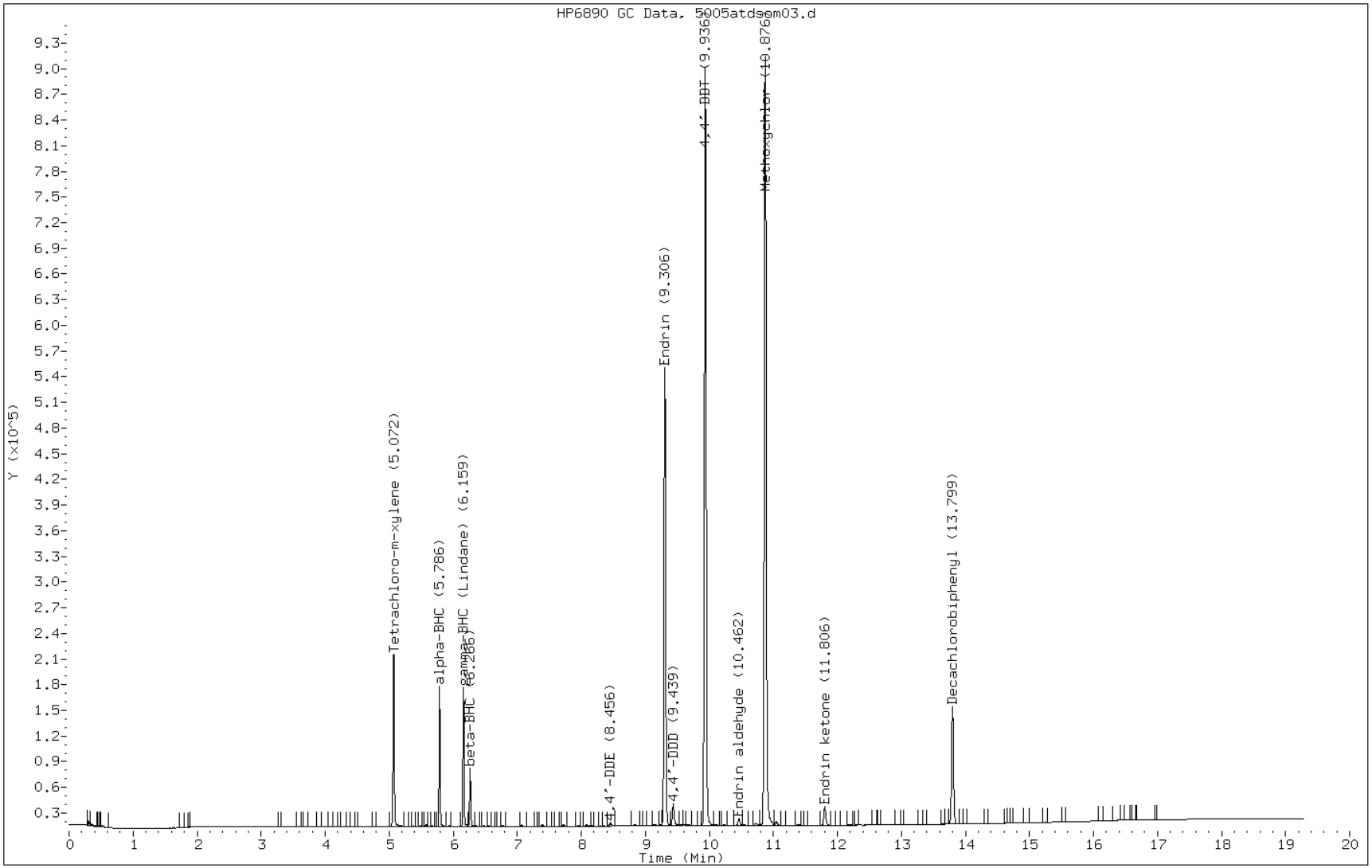
Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom03.d
Date : 28-AUG-2013 09:17
Client ID: PEMD6
Sample Info: PEM-544246
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atdsom03.d
Client ID: PEMD6
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246

Date: 28-AUG-2013 09:17
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom03.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD6
Inj Date : 28-AUG-2013 09:17
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	201221	0.02000	0.01629	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	164071	0.01000	0.007739	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.159	6.160	-0.001	162188	0.01000	0.008103	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.264	0.002	68679	0.01000	0.008837	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.456	8.454	0.002	3719	0.00000	0.0002610	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.306	9.308	-0.002	534663	0.05000	0.04735	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.439	9.438	0.001	25342	0.00000	0.002695	80.00- 120.00	100.00(a)

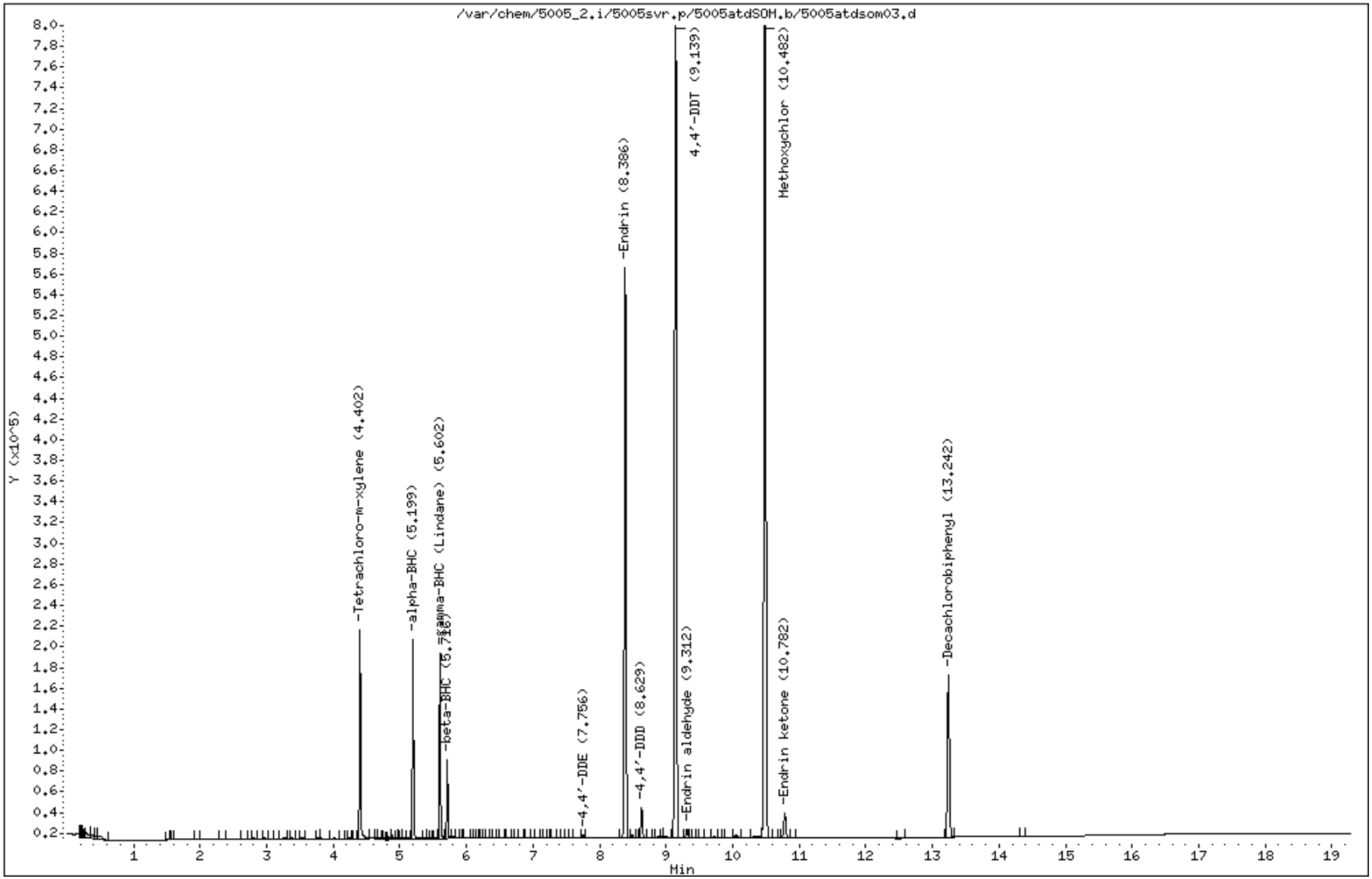
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.936	9.939	-0.003	885404	0.10000	0.1030	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.462	10.464	-0.002	7484	0.00000	0.0009610	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.876	10.874	0.002	898570	0.25000	0.2503	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.806	11.804	0.002	21917	0.00000	0.002218	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.799	13.798	0.001	137028	0.02000	0.01651	80.00- 120.00	100.00

QC Flag Legend

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

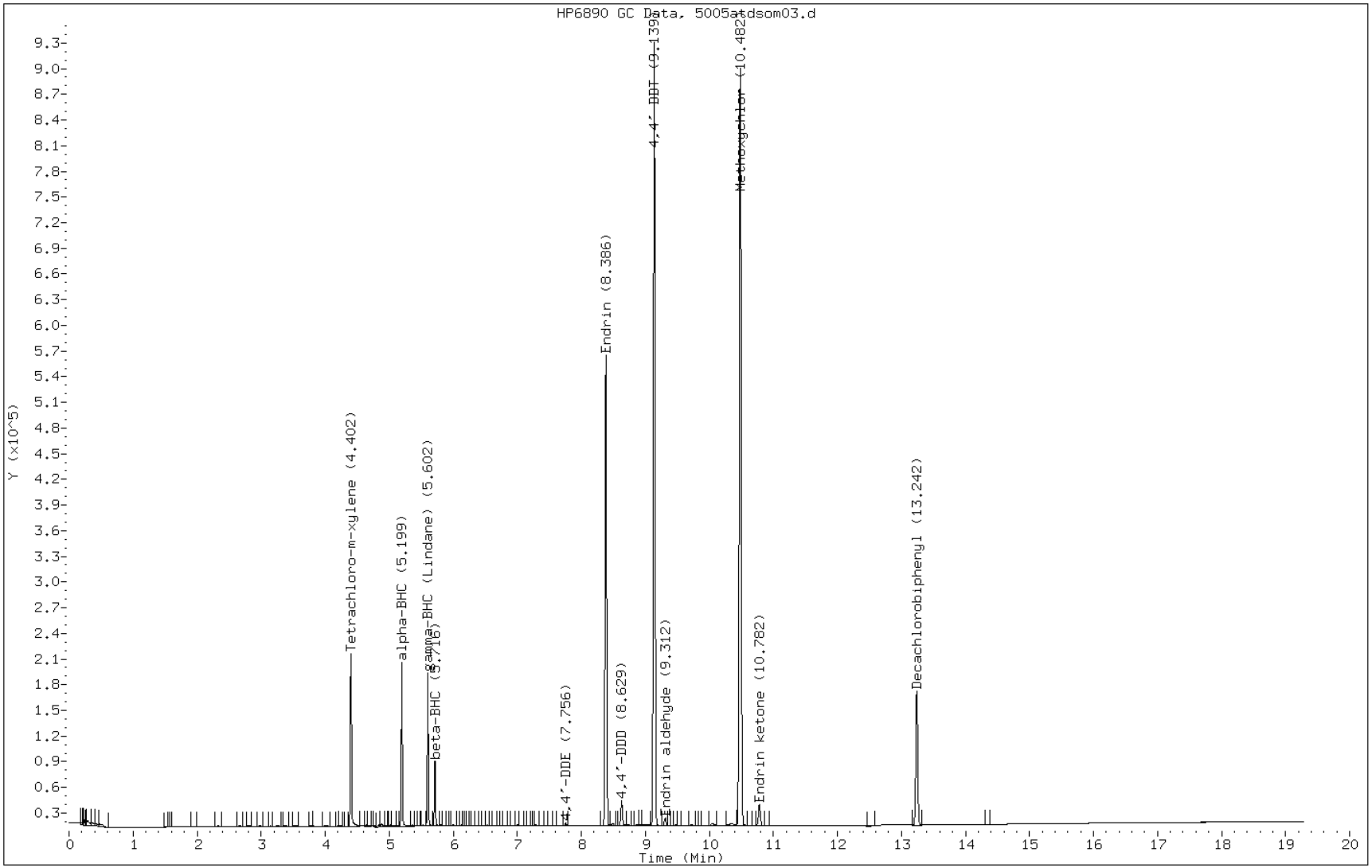
Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom03.d
Date : 28-AUG-2013 09:17
Client ID: PEMD6
Sample Info: PEM-544246
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atdsom03.d
Client ID: PEMD6
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: PEM-544246

Date: 28-AUG-2013 09:17
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom03.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD6
Inj Date : 28-AUG-2013 09:17
Operator : RRM Inst ID: 5005_2.i
Smp Info : PEM-544246
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.402	4.402	0.000	201432	0.02000	0.01666	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.199	5.200	-0.001	191872	0.01000	0.008135	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
5.602	5.601	0.001	178630	0.01000	0.008211	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
5.716	5.715	0.001	75711	0.01000	0.008649	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
7.756	7.759	-0.003	3040	0.00000	0.0001982	80.00- 120.00	100.00(a)
14 Endrin						CAS #: 72-20-8	
8.386	8.386	0.000	550254	0.05000	0.04668	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
8.629	8.630	-0.001	29326	0.00000	0.002853	80.00- 120.00	100.00(a)

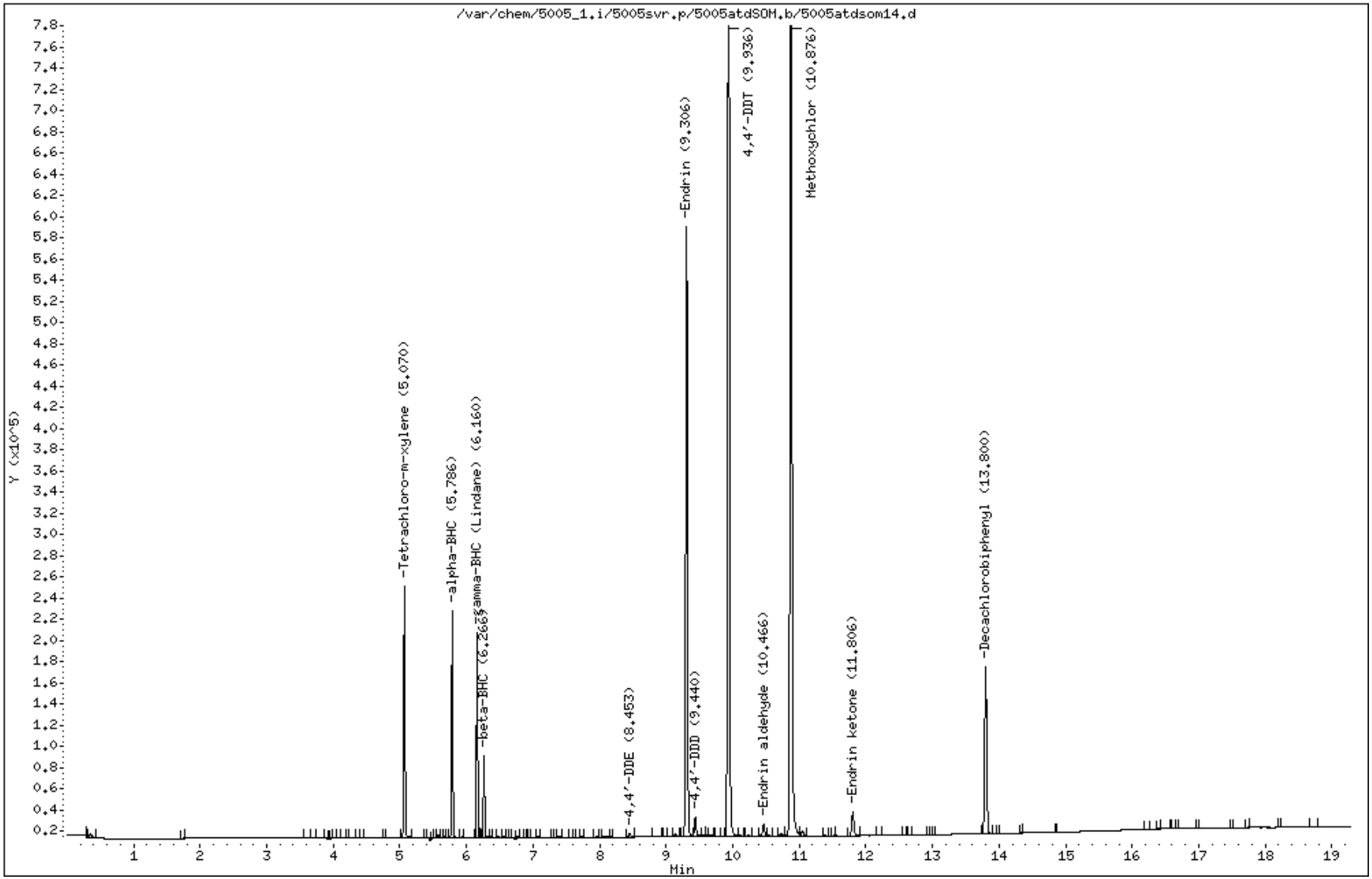
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.139	9.141	-0.002	915333	0.10000	0.09819	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.312	9.311	0.001	8461	0.00000	0.0009984	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.482	10.485	-0.003	884545	0.25000	0.2378	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.782	10.785	-0.003	24051	0.00000	0.002379	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.242	13.241	0.001	156716	0.02000	0.01944	80.00- 120.00	100.00

QC Flag Legend

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

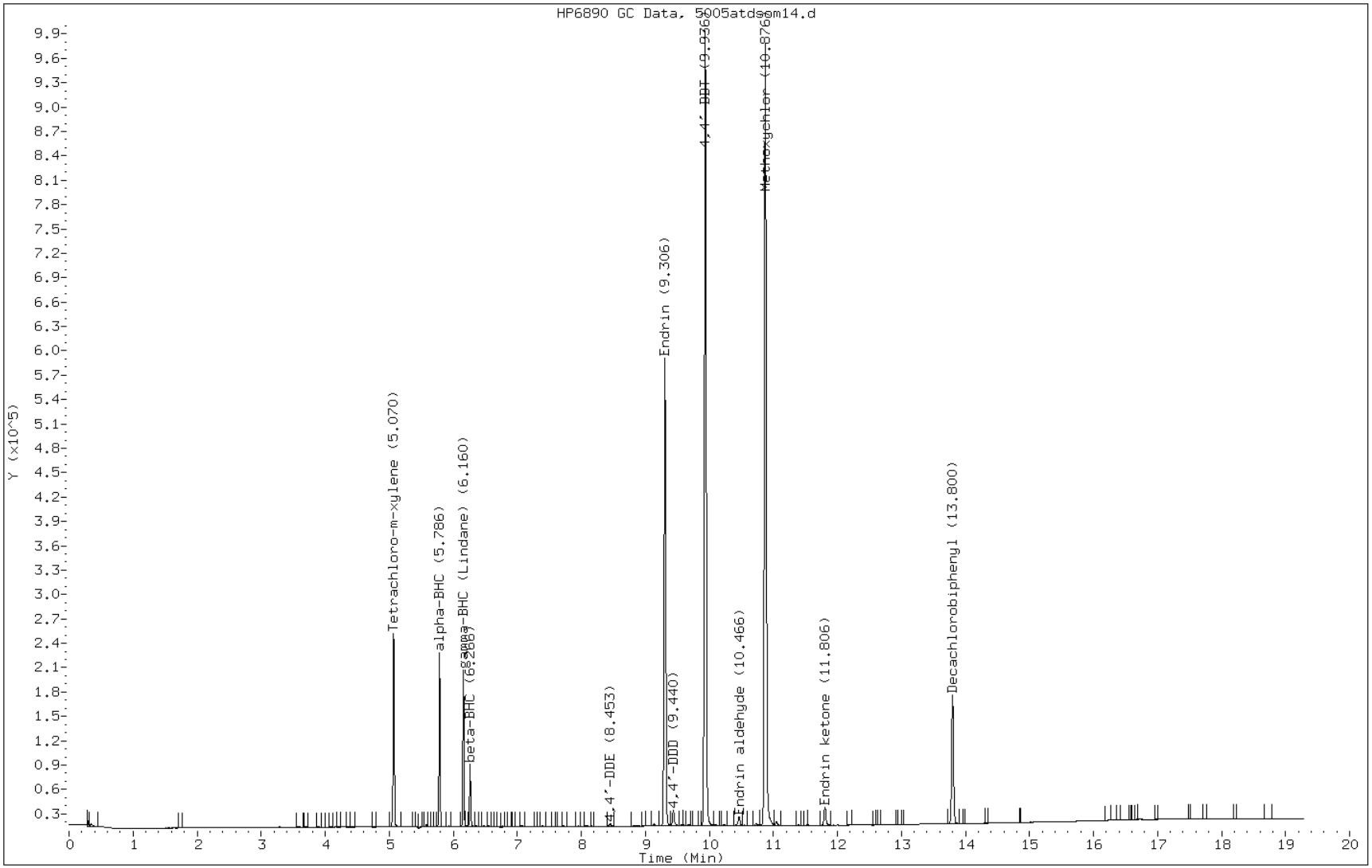
Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom14.d
Date : 28-AUG-2013 19:16
Client ID: PEMD7
Sample Info: PEM-544246
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atdsom14.d
Client ID: PEMD7
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: PEM-544246

Date: 28-AUG-2013 19:16
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom14.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD7
Inj Date : 28-AUG-2013 19:16
Operator : RRM Inst ID: 5005_1.i
Smp Info : PEM-544246
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	237609	0.02000	0.01923	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	214774	0.01000	0.01013	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	192807	0.01000	0.009633	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.264	0.002	76868	0.01000	0.009891	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.453	8.454	-0.001	3140	0.00000	0.0002203	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.306	9.308	-0.002	575634	0.05000	0.05098	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.440	9.438	0.002	18302	0.00000	0.001946	80.00- 120.00	100.00(a)

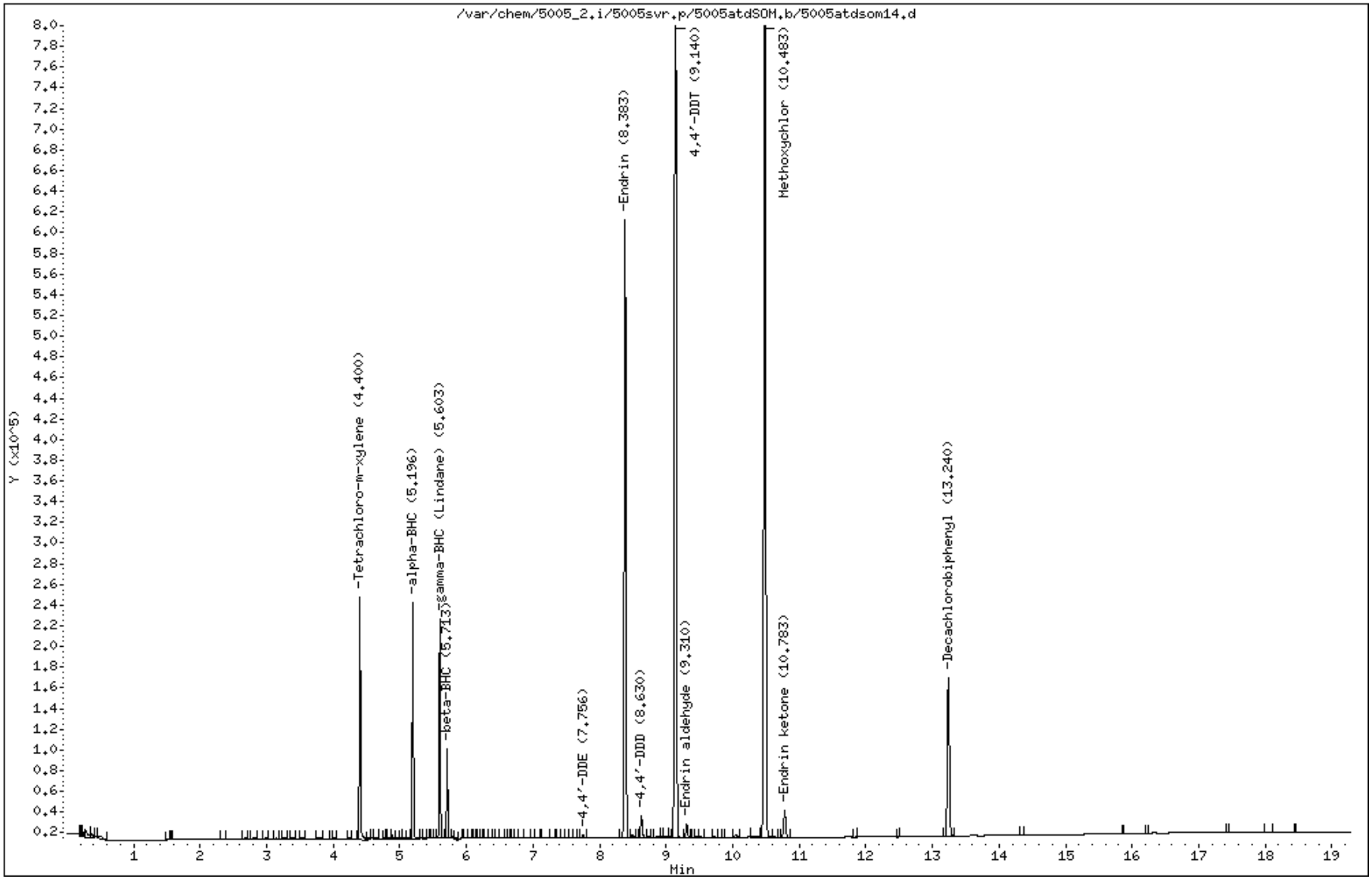
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.936	9.939	-0.003	978623	0.10000	0.1138	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.466	10.464	0.002	11091	0.00000	0.001424	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.876	10.874	0.002	961564	0.25000	0.2678	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.806	11.804	0.002	22509	0.00000	0.002277	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.800	13.798	0.002	157829	0.02000	0.01902	80.00- 120.00	100.00

QC Flag Legend

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

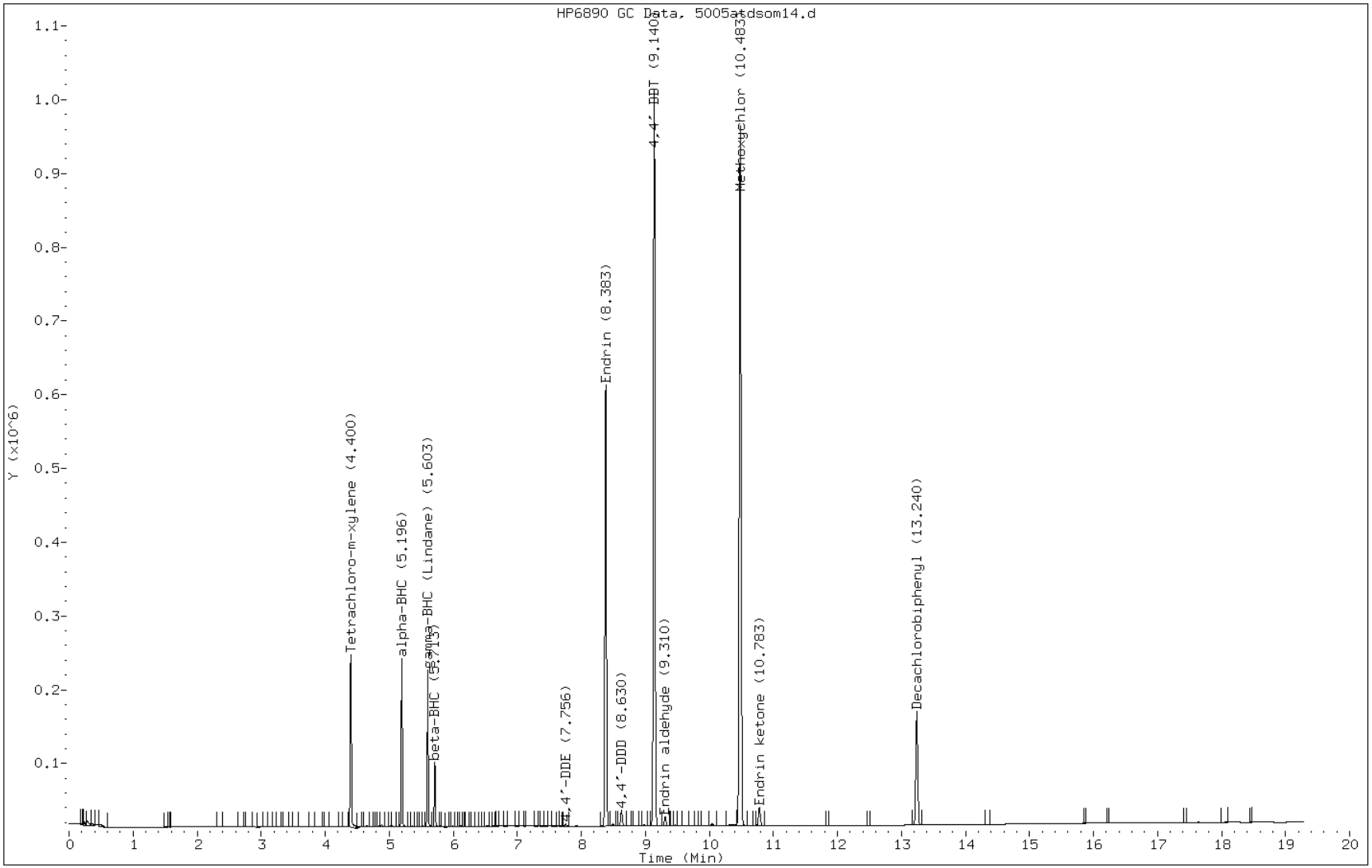
Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom14.d
Date : 28-AUG-2013 19:16
Client ID: PEMD7
Sample Info: PEM-544246
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atdsom14.d
Client ID: PEMD7
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: PEM-544246

Date: 28-AUG-2013 19:16
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom14.d
Lab Smp Id: PEM-544246 Client Smp ID: PEMD7
Inj Date : 28-AUG-2013 19:16
Operator : RRM Inst ID: 5005_2.i
Smp Info : PEM-544246
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.400	4.402	-0.002	233522	0.02000	0.01931	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.196	5.200	-0.004	228301	0.01000	0.009680	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.603	5.601	0.002	211444	0.01000	0.009719	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.713	5.715	-0.002	86851	0.01000	0.009921	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
7.756	7.759	-0.003	2952	0.00000	0.0001924	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
8.383	8.386	-0.003	597340	0.05000	0.05067	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
8.630	8.630	0.000	21392	0.00000	0.002081	80.00- 120.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDT					CAS #: 50-29-3		
9.140	9.141	-0.001	997816	0.10000	0.1070	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.310	9.311	-0.001	12688	0.00000	0.001497	80.00- 120.00	100.00(aM)
19 Methoxychlor					CAS #: 72-43-5		
10.483	10.485	-0.002	948767	0.25000	0.2550	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.783	10.785	-0.002	25396	0.00000	0.002512	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.240	13.241	-0.001	153642	0.02000	0.01906	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom14.d
Lab Sample ID: PEM-544246
Inj. Date and Time: 28-AUG-2013 19:16
Instrument ID: 5005_2.i
Client ID: PEMD7
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 08/29/2013

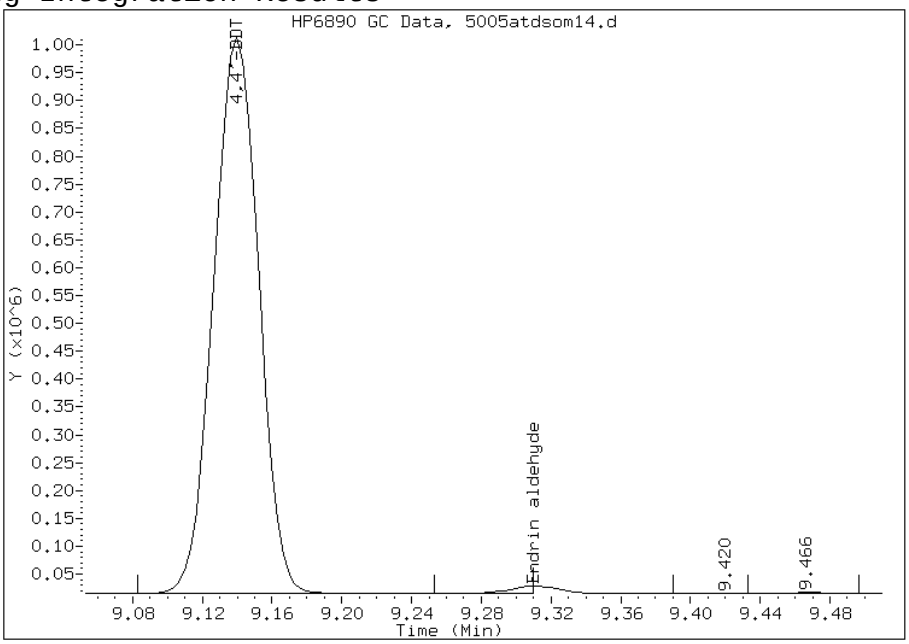
Processing Integration Results

RT: 9.31

Response: 12757

Amount: 0.001505

Conc: 0.001505



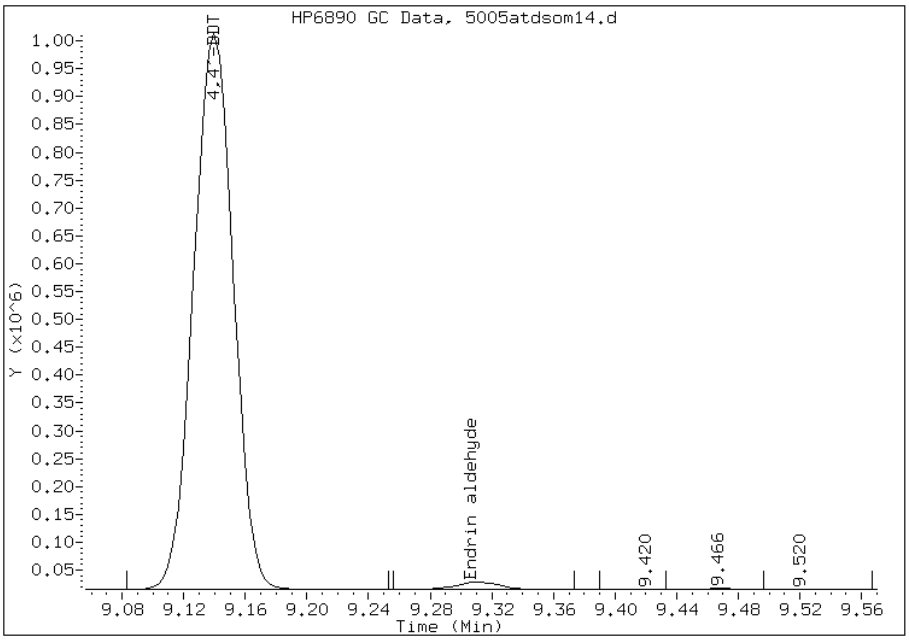
Manual Integration Results

RT: 9.31

Response: 12688

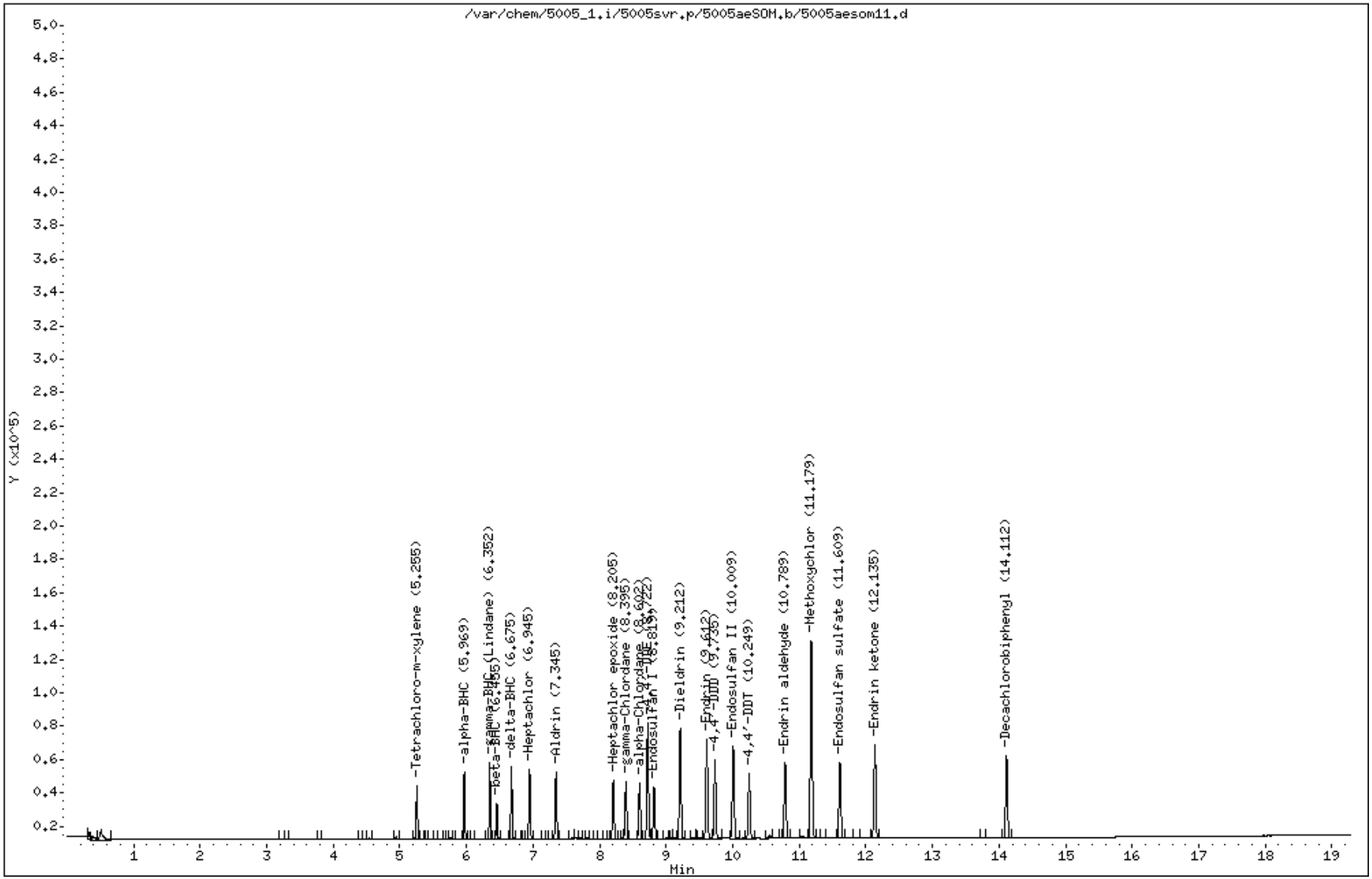
Amount: 0.001497

Conc: 0.001497



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom11.d
Date : 05-MAR-2013 19:41
Client ID: INDC1FA
Instrument: 5005_1.i
Sample Info: IC-444302,1,INDC1FA
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom11.d
Lab Smp Id: IC-444302 Client Smp ID: INDC1FA
Inj Date : 05-MAR-2013 19:41
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444302,1,INDC1FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 22:21 Cal File: 5005aesom18.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.255	5.254	0.001	31747	0.00500	0.004815	80.00- 120.00	100.00(a)
2 alpha-BHC						CAS #: 319-84-6	
5.969	5.969	0.000	40483	0.00500	0.003865	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.352	6.350	0.002	45765	0.00500	0.004447	80.00- 120.00	100.00(a)
4 beta-BHC						CAS #: 319-85-7	
6.455	6.459	-0.004	20917	0.00500	0.005098	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.675	6.678	-0.003	43510	0.00500	0.004399	80.00- 120.00	100.00(a)
6 Heptachlor						CAS #: 76-44-8	
6.945	6.949	-0.004	41621	0.00500	0.004602	80.00- 120.00	100.00(a)
7 Aldrin						CAS #: 309-00-2	
7.345	7.344	0.001	40097	0.00500	0.004636	80.00- 120.00	100.00(a)

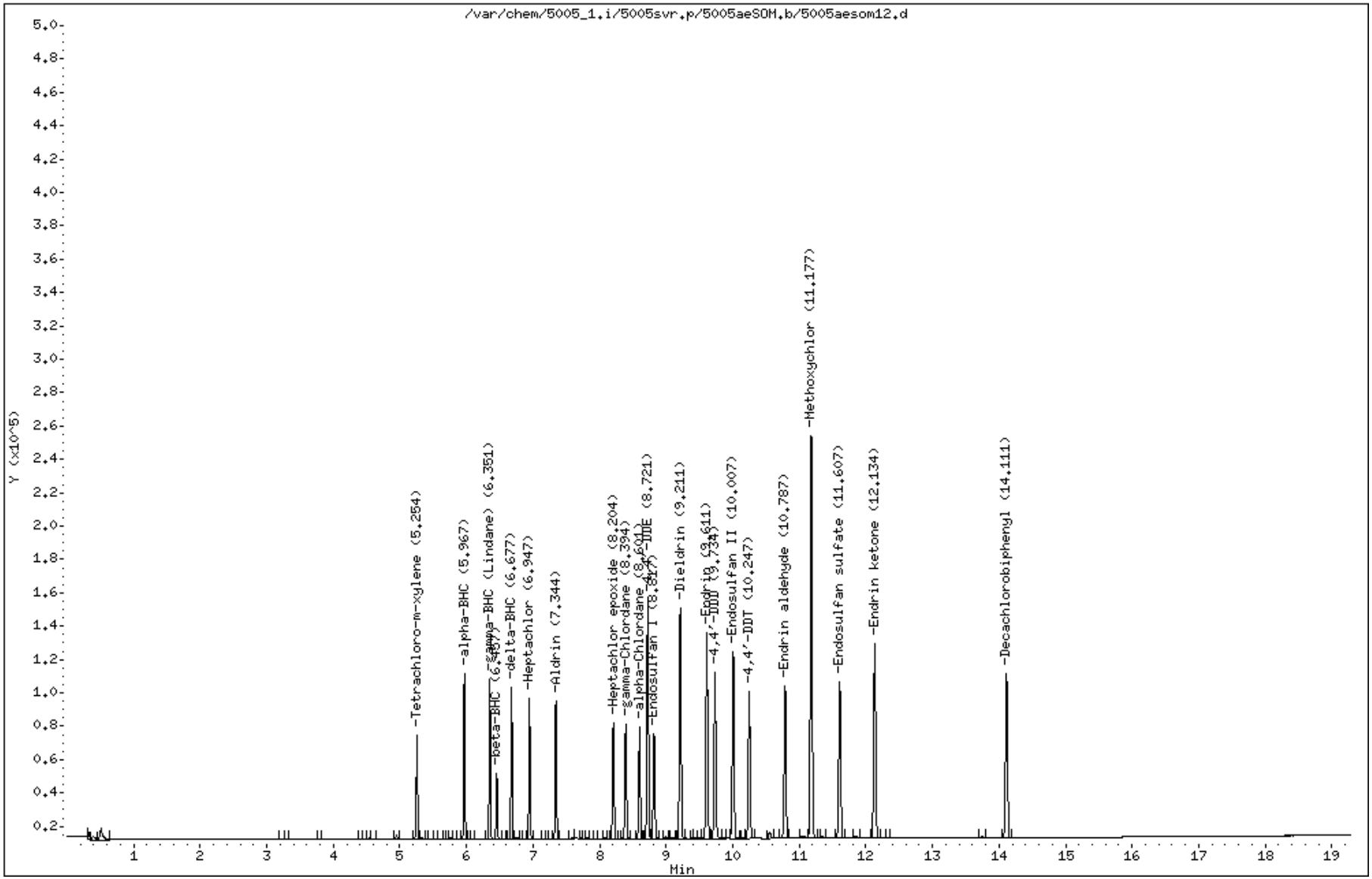
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.205	8.205	0.000	34640	0.00500	0.004853	80.00- 120.00	100.00(a)
9 gamma-Chlordane						CAS #: 5103-74-2	
8.395	8.394	0.001	33841	0.00500	0.004714	80.00- 120.00	100.00(a)
10 alpha-Chlordane						CAS #: 5103-71-9	
8.602	8.600	0.002	33603	0.00500	0.004856	80.00- 120.00	100.00(a)
11 4,4'-DDE						CAS #: 72-55-9	
8.722	8.721	0.001	69219	0.01000	0.009302	80.00- 120.00	100.00(a)
12 Endosulfan I						CAS #: 959-98-8	
8.819	8.819	0.000	31235	0.00500	0.004920	80.00- 120.00	100.00(a)
13 Dieldrin						CAS #: 60-57-1	
9.212	9.211	0.001	65883	0.01000	0.009445	80.00- 120.00	100.00(a)
14 Endrin						CAS #: 72-20-8	
9.612	9.610	0.002	59594	0.01000	0.009620	80.00- 120.00	100.00(a)
15 4,4'-DDD						CAS #: 72-54-8	
9.735	9.733	0.002	46930	0.01000	0.009069	80.00- 120.00	100.00(a)
16 Endosulfan II						CAS #: 33213-65-9	
10.009	10.009	0.000	55298	0.01000	0.009885	80.00- 120.00	100.00(a)
17 4,4'-DDT						CAS #: 50-29-3	
10.249	10.249	0.000	38957	0.01000	0.008241	80.00- 120.00	100.00(a)
18 Endrin aldehyde						CAS #: 7421-93-4	
10.789	10.789	0.000	45548	0.01000	0.01006	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.179	11.180	-0.001	118669	0.05000	0.05063	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.609	11.609	0.000	45452	0.01000	0.009566	80.00- 120.00	100.00(a)
21 Endrin ketone						CAS #: 53494-70-5	
12.135	12.134	0.001	56196	0.01000	0.009578	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.112	14.111	0.001	49690	0.01000	0.01005	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom12.d
Date : 05-MAR-2013 20:03
Client ID: INDC2FA
Sample Info: IC-444301,1,INDC2FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom12.d
Lab Smp Id: IC-444301 Client Smp ID: INDC2FA
Inj Date : 05-MAR-2013 20:03
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444301,1,INDC2FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:03 Cal File: 5005aesom12.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

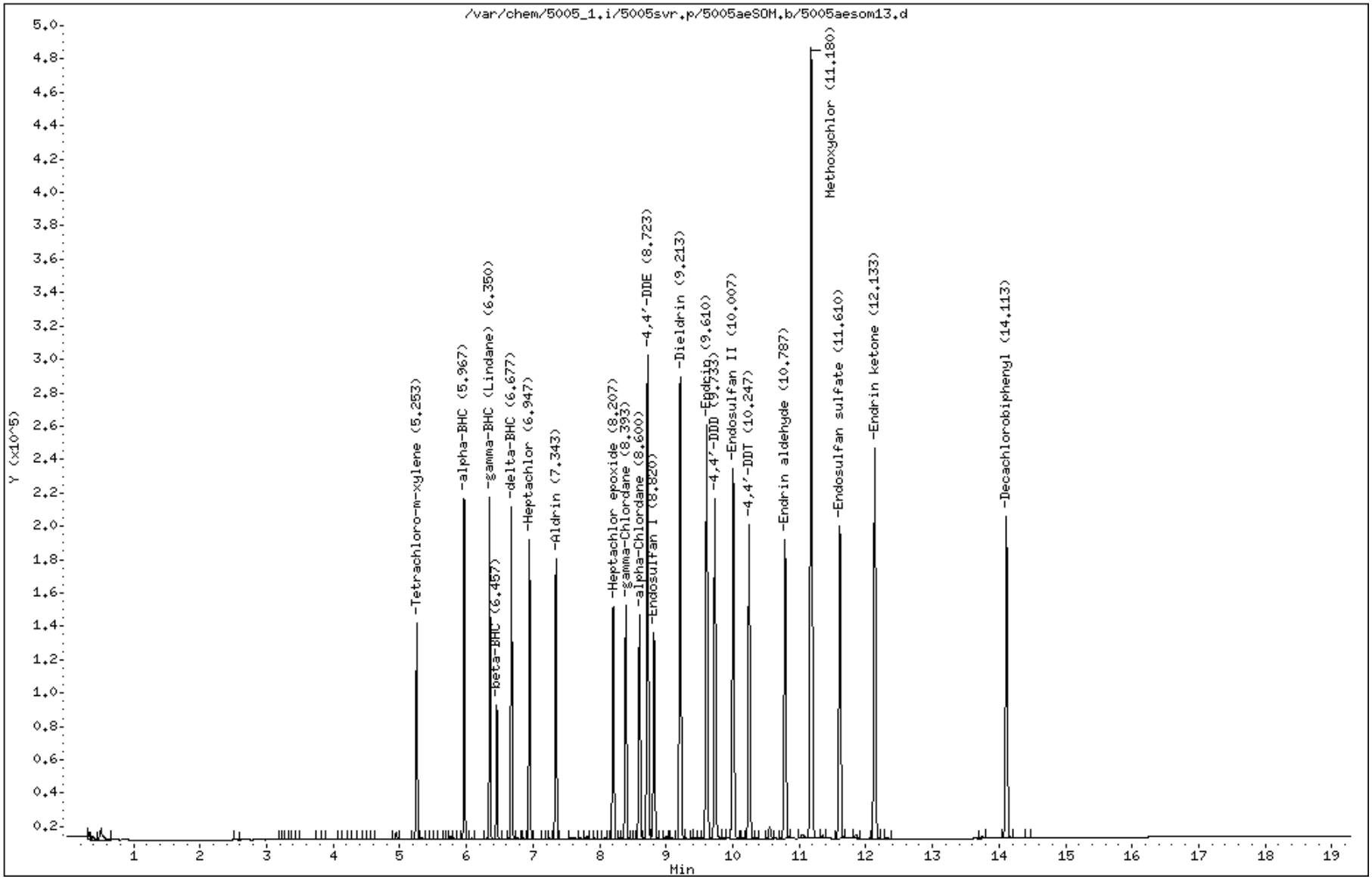
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.254	5.254	0.000	62675	0.01000	0.009506	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.967	5.969	-0.002	99363	0.01000	0.009487	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.351	6.350	0.001	95602	0.01000	0.009290	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.457	6.459	-0.002	39479	0.01000	0.009622	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.677	6.678	-0.001	90594	0.01000	0.009160	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.947	6.949	-0.002	84646	0.01000	0.009359	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
7.344	7.344	0.000	82617	0.01000	0.009552	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.204	8.205	-0.001	69767	0.01000	0.009774	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.394	8.394	0.000	68249	0.01000	0.009507	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.601	8.600	0.001	66792	0.01000	0.009653	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.721	8.721	0.000	143125	0.02000	0.01923	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.817	8.819	-0.002	62497	0.01000	0.009844	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
9.211	9.211	0.000	137970	0.02000	0.01978	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.611	9.610	0.001	123274	0.02000	0.01990	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.734	9.733	0.001	99943	0.02000	0.01931	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
10.007	10.009	-0.002	112175	0.02000	0.02005	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
10.247	10.249	-0.002	88341	0.02000	0.01869	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.787	10.789	-0.002	91555	0.02000	0.02023	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.177	11.180	-0.003	240848	0.10000	0.1027	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.607	11.609	-0.002	93532	0.02000	0.01968	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
12.134	12.134	0.000	116944	0.02000	0.01993	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.111	14.111	0.000	98589	0.02000	0.01995	80.00- 120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom13.d
Date : 05-MAR-2013 20:26
Client ID: INDC3FA
Instrument: 5005_1.i
Sample Info: ICRTAV-444300,1,INDC3FA
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



08/30/2013

TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom13.d
Lab Smp Id: ICRTAV-444300 Client Smp ID: INDC3FA
Inj Date : 05-MAR-2013 20:26
Operator : KTL Inst ID: 5005_1.i
Smp Info : ICRTAV-444300,1,INDC3FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:55 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:26 Cal File: 5005aesom13.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

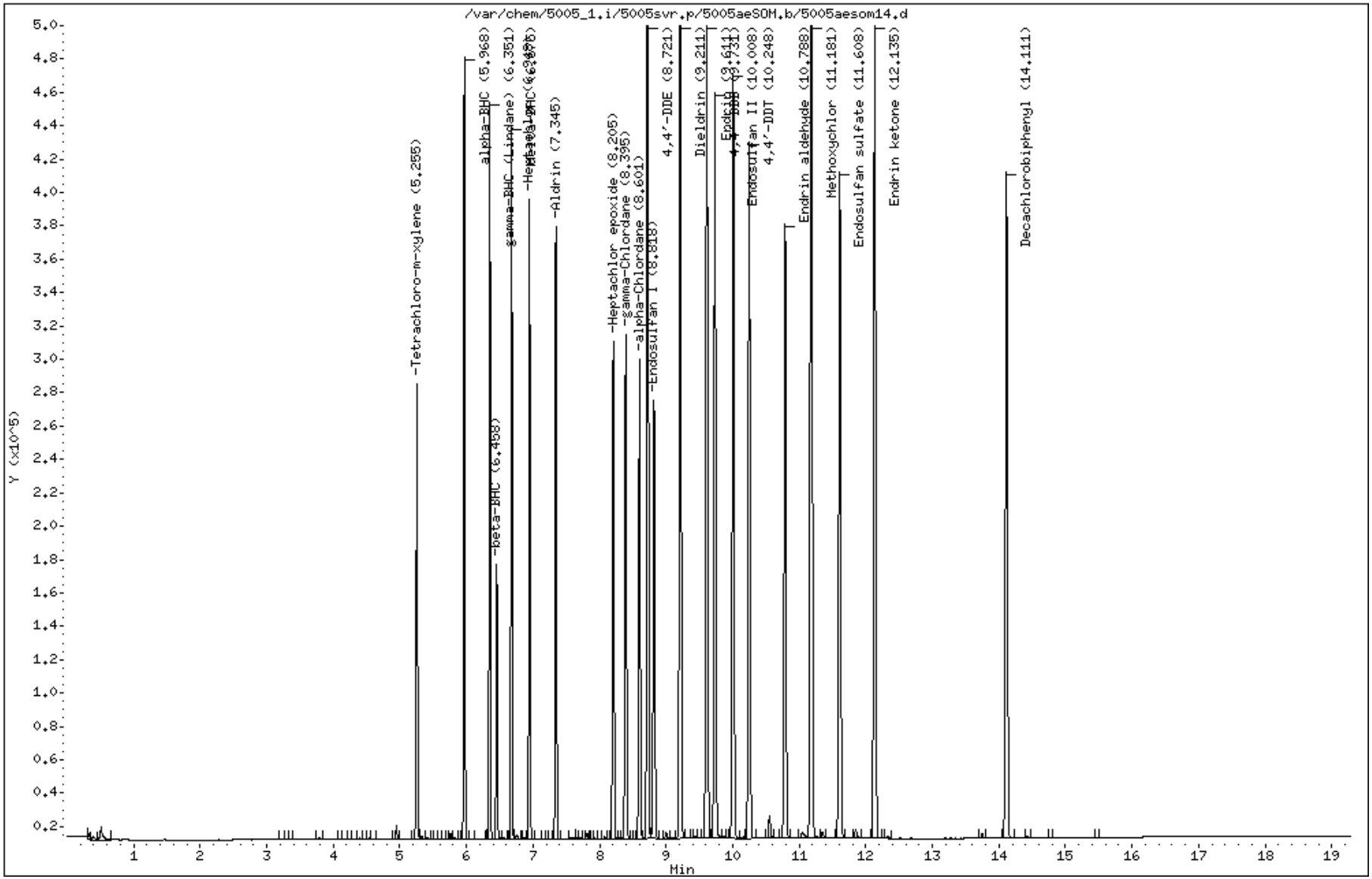
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.253	5.254	-0.001	129667	0.02000	0.01967	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.967	5.969	-0.002	204027	0.02000	0.01948	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.350	6.350	0.000	205015	0.02000	0.01992	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.457	6.459	-0.002	80614	0.02000	0.01965	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.677	6.678	-0.001	198800	0.02000	0.02010	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.947	6.949	-0.002	179374	0.02000	0.01983	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.343	7.344	-0.001	167775	0.02000	0.01940	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.207	8.205	0.002	139552	0.02000	0.01955	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.393	8.394	-0.001	139905	0.02000	0.01949	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.600	8.600	0.000	133903	0.02000	0.01935	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.723	8.721	0.002	290093	0.04000	0.03898	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.820	8.819	0.001	123472	0.02000	0.01945	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
9.213	9.211	0.002	276619	0.04000	0.03966	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.610	9.610	0.000	247816	0.04000	0.04001	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.733	9.733	0.000	204016	0.04000	0.03943	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
10.007	10.009	-0.002	221335	0.04000	0.03956	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
10.247	10.249	-0.002	187818	0.04000	0.03973	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.787	10.789	-0.002	178727	0.04000	0.03949	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.180	11.180	0.000	474030	0.20000	0.2022	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.610	11.609	0.001	187005	0.04000	0.03936	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
12.133	12.134	-0.001	234138	0.04000	0.03991	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.113	14.111	0.002	193171	0.04000	0.03909	80.00- 120.00	100.00

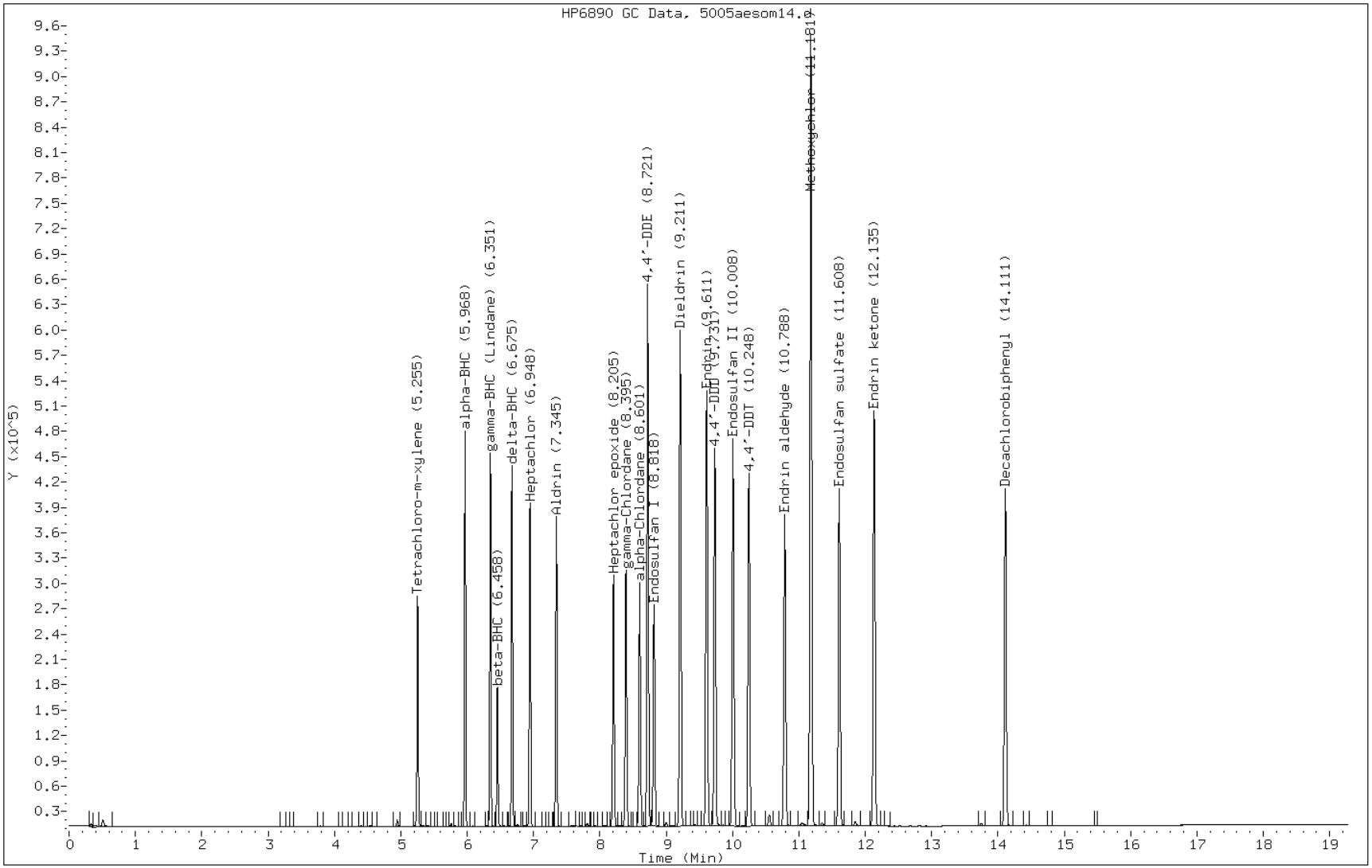
Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom14.d
Date : 05-MAR-2013 20:49
Client ID: INDC4FA
Sample Info: IC-444299,1,INDC4FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



Data File: 5005aesom14.d
Client ID: INDC4FA
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-444299,1,INDC4FA

Date: 05-MAR-2013 20:49
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom14.d
Lab Smp Id: IC-444299 Client Smp ID: INDC4FA
Inj Date : 05-MAR-2013 20:49
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444299,1,INDC4FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:49 Cal File: 5005aesom14.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

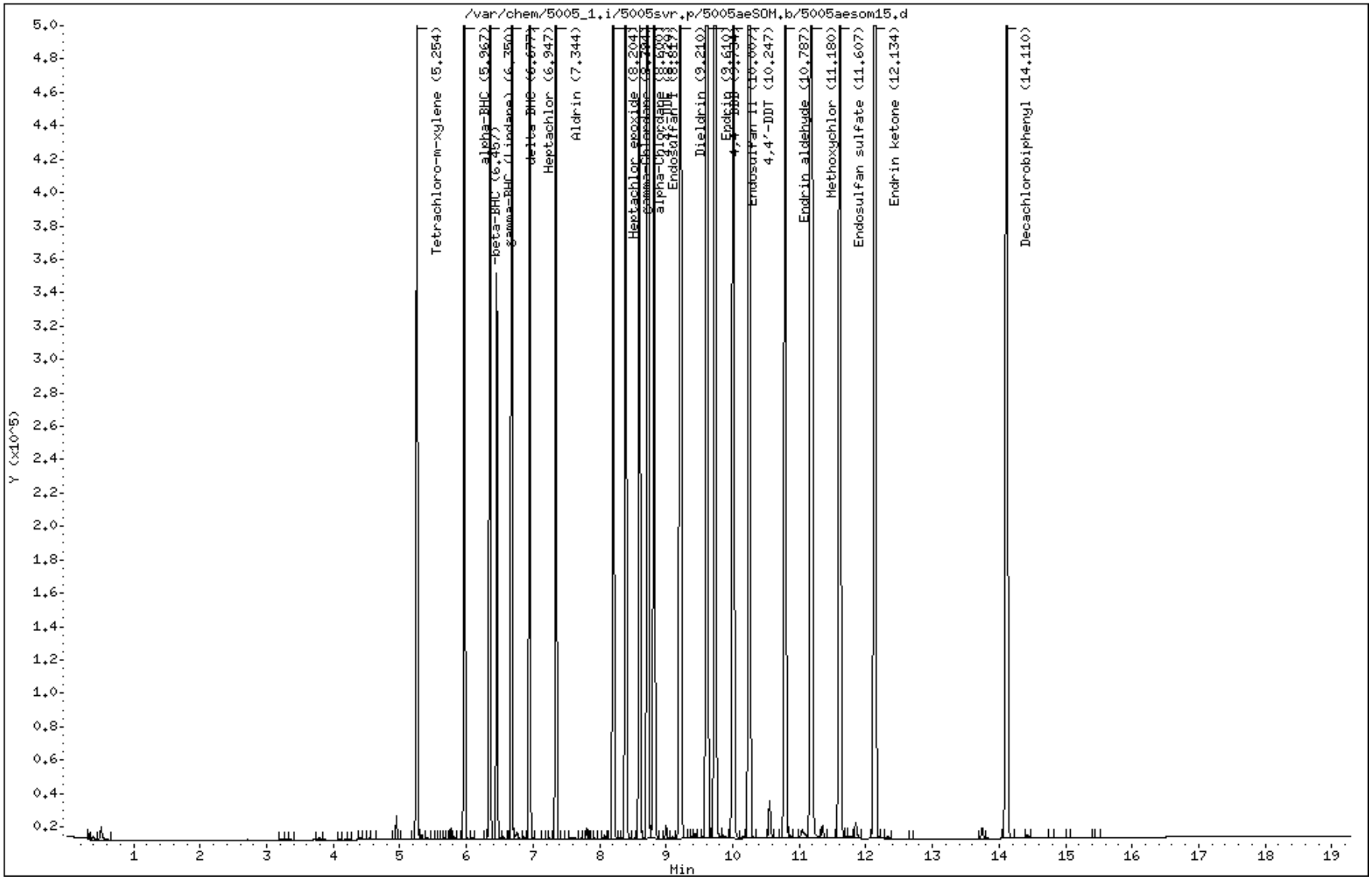
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.255	5.254	0.001	272815	0.04000	0.04138	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.968	5.969	-0.001	468604	0.04000	0.04474	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.351	6.350	0.001	441704	0.04000	0.04292	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.458	6.459	-0.001	164499	0.04000	0.04009	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.675	6.678	-0.003	426910	0.04000	0.04317	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.948	6.949	-0.001	383182	0.04000	0.04237	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
7.345	7.344	0.001	367193	0.04000	0.04246	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
8 Heptachlor epoxide					CAS #: 1024-57-3		
8.205	8.205	0.000	297761	0.04000	0.04171	80.00- 120.00	100.00
9 gamma-Chlordane					CAS #: 5103-74-2		
8.395	8.394	0.001	302485	0.04000	0.04214	80.00- 120.00	100.00
10 alpha-Chlordane					CAS #: 5103-71-9		
8.601	8.600	0.001	287777	0.04000	0.04159	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.721	8.721	0.000	641225	0.08000	0.08617	80.00- 120.00	100.00
12 Endosulfan I					CAS #: 959-98-8		
8.818	8.819	-0.001	262227	0.04000	0.04130	80.00- 120.00	100.00
13 Dieldrin					CAS #: 60-57-1		
9.211	9.211	0.000	586758	0.08000	0.08412	80.00- 120.00	100.00
14 Endrin					CAS #: 72-20-8		
9.611	9.610	0.001	515166	0.08000	0.08316	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.731	9.733	-0.002	446808	0.08000	0.08634	80.00- 120.00	100.00
16 Endosulfan II					CAS #: 33213-65-9		
10.008	10.009	-0.001	458295	0.08000	0.08192	80.00- 120.00	100.00
17 4,4'-DDT					CAS #: 50-29-3		
10.248	10.249	-0.001	417509	0.08000	0.08832	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.788	10.789	-0.001	368037	0.08000	0.08132	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
11.181	11.180	0.001	937427	0.40000	0.3999	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.608	11.609	-0.001	399247	0.08000	0.08402	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
12.135	12.134	0.001	491222	0.08000	0.08373	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.111	14.111	0.000	399596	0.08000	0.08086	80.00- 120.00	100.00

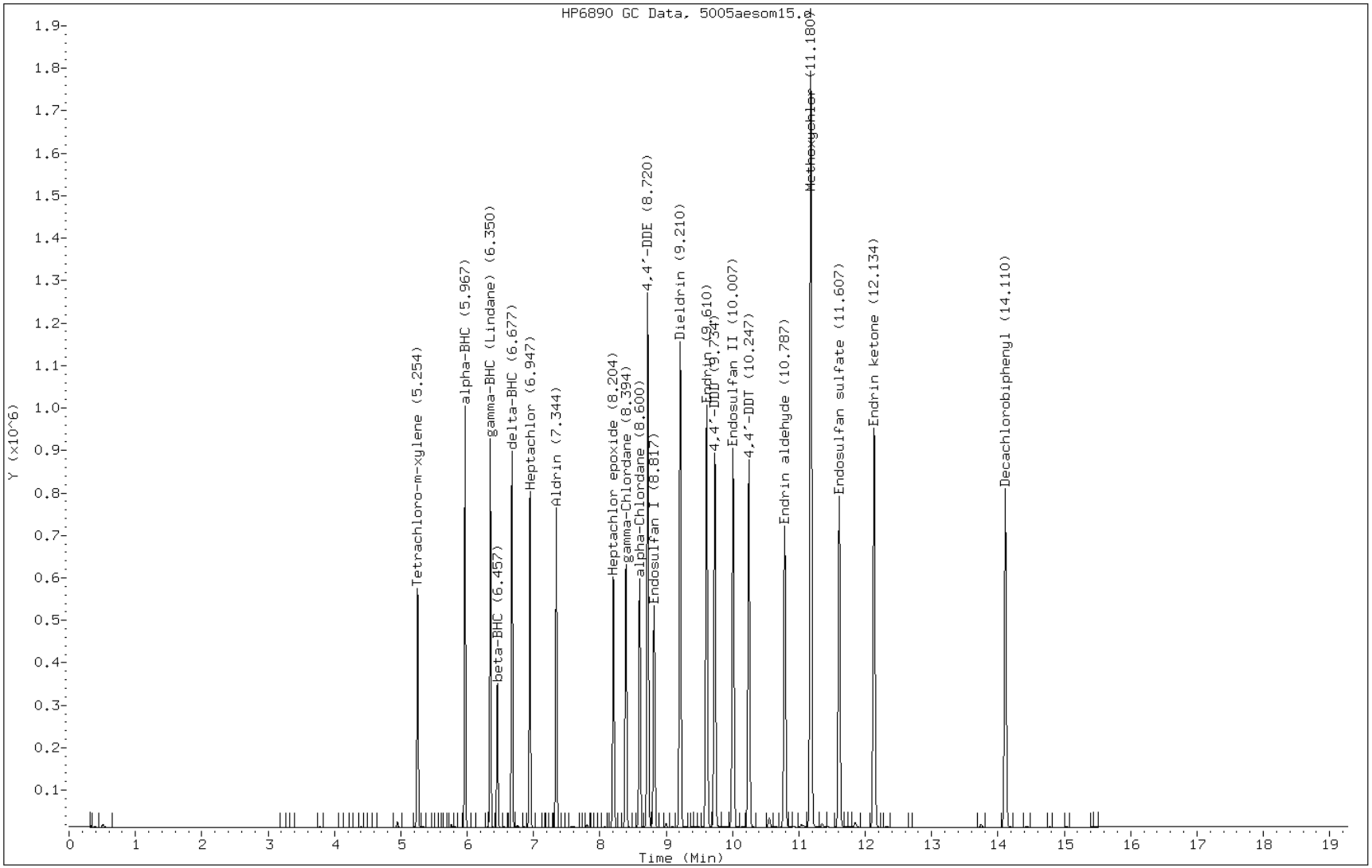
Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom15.d
Date : 05-MAR-2013 21:12
Client ID: INDC5FA
Sample Info: IC-444298,1,INDC5FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



Data File: 5005aesom15.d
Client ID: INDC5FA
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-444298,1,INDC5FA

Date: 05-MAR-2013 21:12
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom15.d
Lab Smp Id: IC-444298 Client Smp ID: INDC5FA
Inj Date : 05-MAR-2013 21:12
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444298,1,INDC5FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

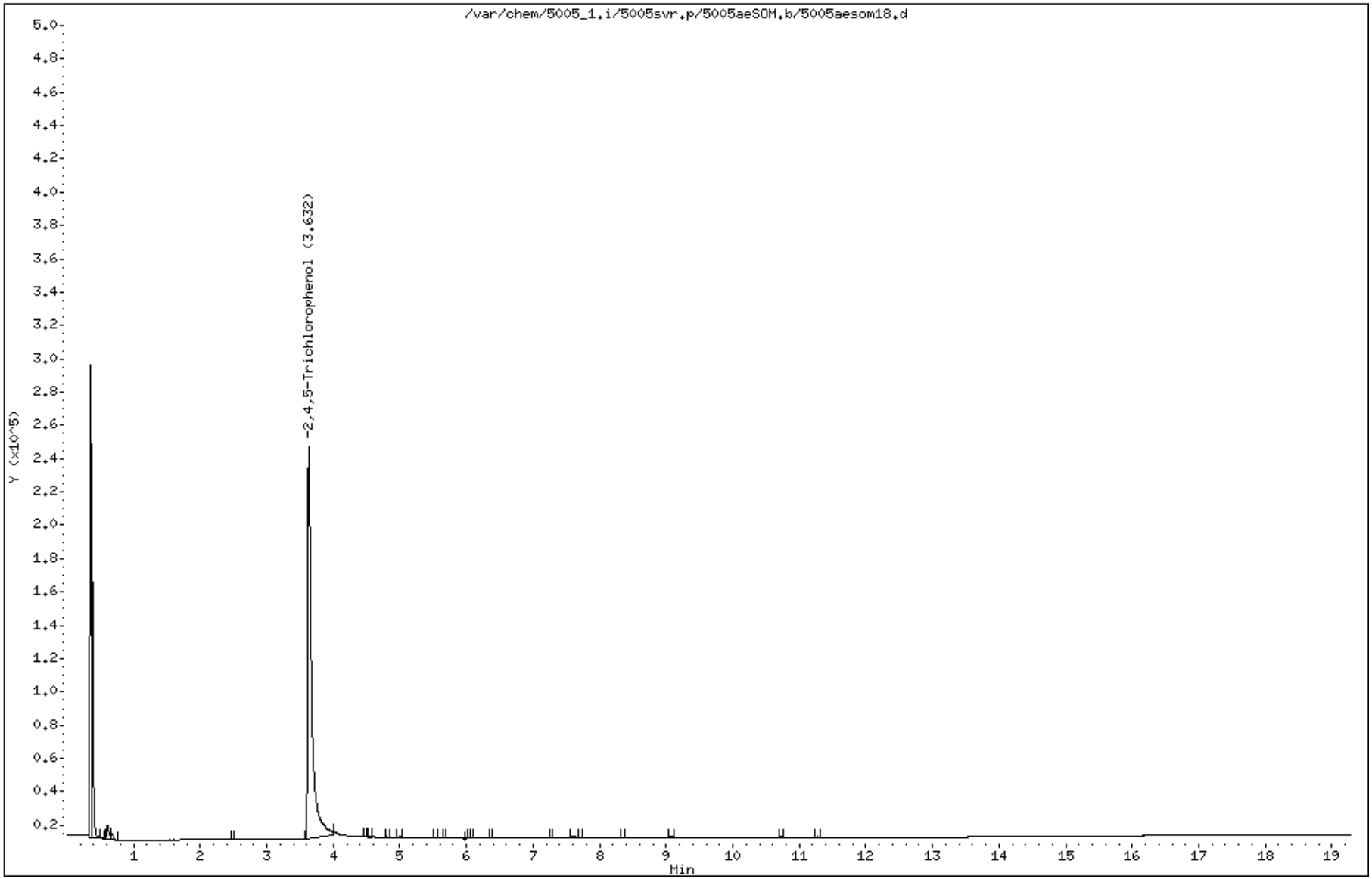
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.254	5.254	0.000	563667	0.08000	0.08549	80.00- 120.00	100.00(A)
2 alpha-BHC						CAS #: 319-84-6	
5.967	5.969	-0.002	993431	0.08000	0.09485	80.00- 120.00	100.00(A)
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.350	6.350	0.000	915906	0.08000	0.08900	80.00- 120.00	100.00(A)
4 beta-BHC						CAS #: 319-85-7	
6.457	6.459	-0.002	339270	0.08000	0.08269	80.00- 120.00	100.00(A)
5 delta-BHC						CAS #: 319-86-8	
6.677	6.678	-0.001	886060	0.08000	0.08959	80.00- 120.00	100.00(A)
6 Heptachlor						CAS #: 76-44-8	
6.947	6.949	-0.002	790691	0.08000	0.08743	80.00- 120.00	100.00(A)
7 Aldrin						CAS #: 309-00-2	
7.344	7.344	0.000	751552	0.08000	0.08690	80.00- 120.00	100.00(A)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.204	8.205	-0.001	589101	0.08000	0.08253	80.00- 120.00	100.00(A)
9 gamma-Chlordane						CAS #: 5103-74-2	
8.394	8.394	0.000	619355	0.08000	0.08628	80.00- 120.00	100.00(A)
10 alpha-Chlordane						CAS #: 5103-71-9	
8.600	8.600	0.000	584689	0.08000	0.08450	80.00- 120.00	100.00(A)
11 4,4'-DDE						CAS #: 72-55-9	
8.720	8.721	-0.001	1257869	0.16000	0.1690	80.00- 120.00	100.00(A)
12 Endosulfan I						CAS #: 959-98-8	
8.817	8.819	-0.002	521394	0.08000	0.08213	80.00- 120.00	100.00(A)
13 Dieldrin						CAS #: 60-57-1	
9.210	9.211	-0.001	1142594	0.16000	0.1638	80.00- 120.00	100.00(A)
14 Endrin						CAS #: 72-20-8	
9.610	9.610	0.000	994321	0.16000	0.1605	80.00- 120.00	100.00(A)
15 4,4'-DDD						CAS #: 72-54-8	
9.734	9.733	0.001	879659	0.16000	0.1700	80.00- 120.00	100.00(A)
16 Endosulfan II						CAS #: 33213-65-9	
10.007	10.009	-0.002	891392	0.16000	0.1593	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
10.247	10.249	-0.002	865431	0.16000	0.1831	80.00- 120.00	100.00(A)
18 Endrin aldehyde						CAS #: 7421-93-4	
10.787	10.789	-0.002	708368	0.16000	0.1565	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.180	11.180	0.000	1779761	0.80000	0.7593	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.607	11.609	-0.002	779229	0.16000	0.1640	80.00- 120.00	100.00(A)
21 Endrin ketone						CAS #: 53494-70-5	
12.134	12.134	0.000	939888	0.16000	0.1602	80.00- 120.00	100.00(A)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.110	14.111	-0.001	797828	0.16000	0.1614	80.00- 120.00	100.00(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom18.d
Date : 05-MAR-2013 22:21
Client ID: TCPFA
Instrument: 5005_1.i
Sample Info: IC-466132,1,TCPFA
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom18.d
Lab Smp Id: IC-466132 Client Smp ID: TCPFA
Inj Date : 05-MAR-2013 22:21
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-466132,1,TCPFA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:55 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 22:21 Cal File: 5005aesom18.d
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2,4,5-TCP.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

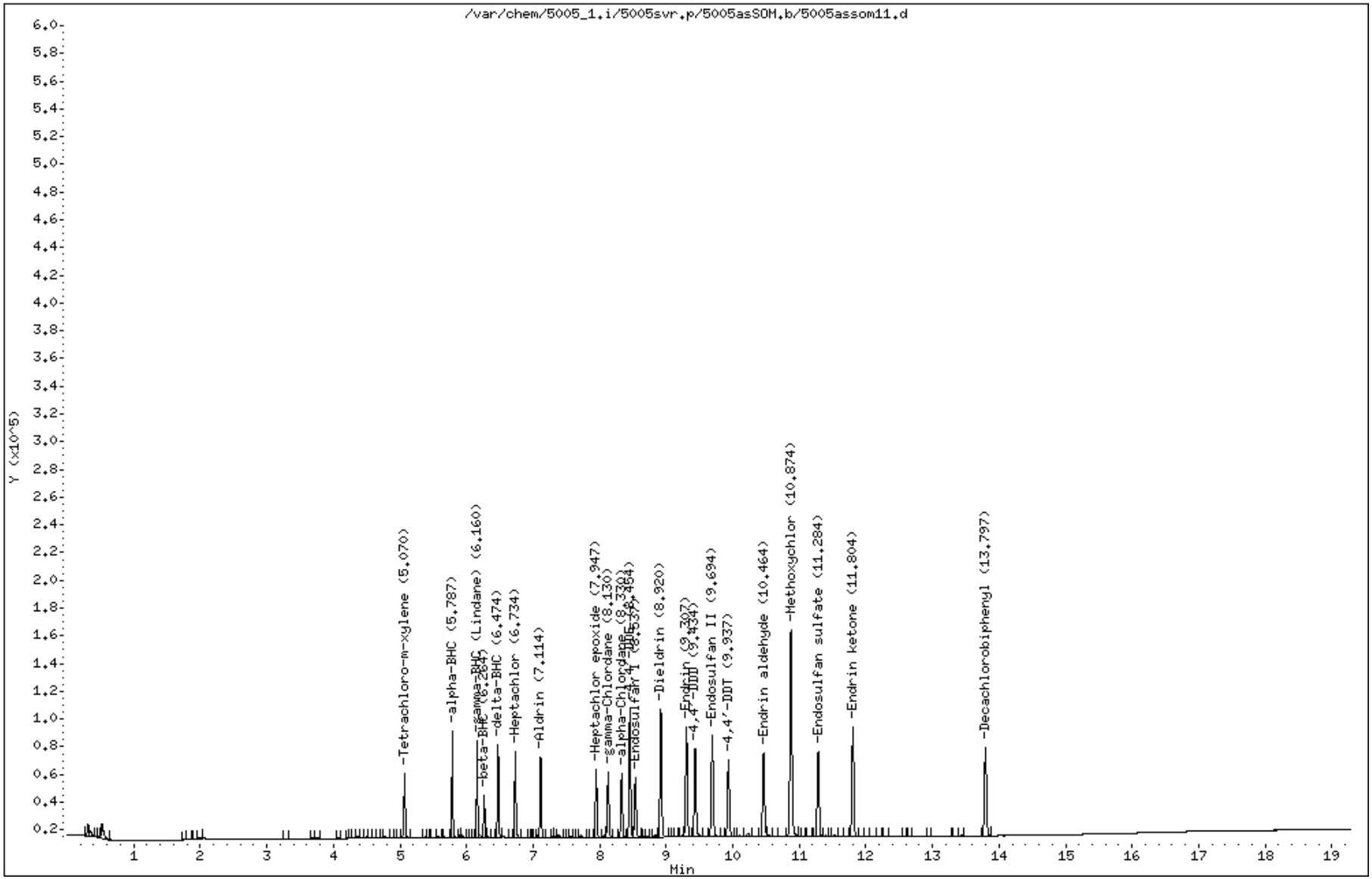
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
31 2,4,5-Trichlorophenol					CAS #: 95-95-4		
3.632	3.632	0.000	234731	0.10000	0.1000	0.00- 20.00	100.00

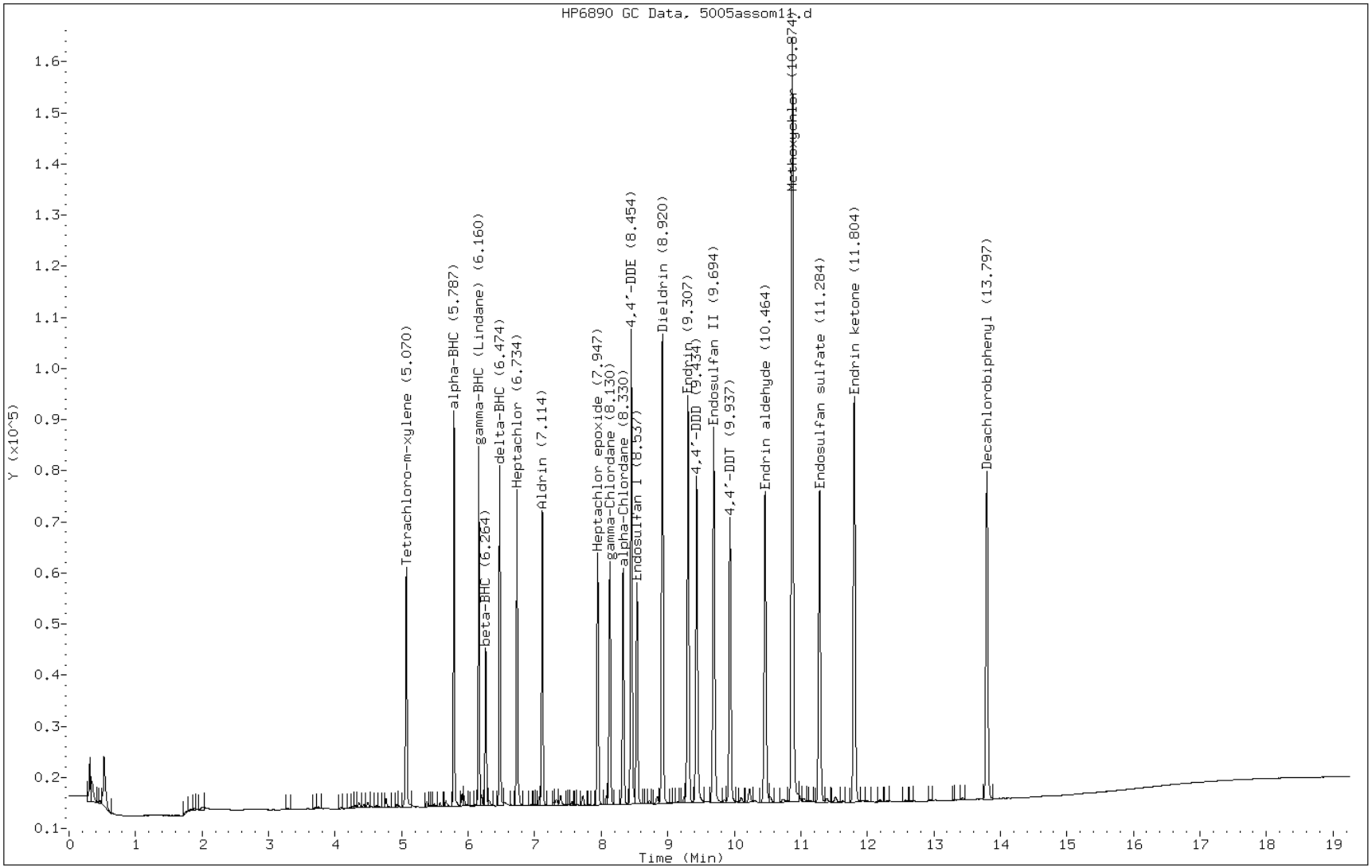
Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom11.d
Date : 16-AUG-2013 21:16
Client ID: INDC1A1
Sample Info: IC-525180,1,INDC1A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005assom11.d
Client ID: INDC1A1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525180,1,INDC1A1

Date: 16-AUG-2013 21:16
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom11.d
Lab Smp Id: IC-525180 Client Smp ID: INDC1A1
Inj Date : 16-AUG-2013 21:16
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525180,1,INDC1A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.070	5.070	0.000	46831	0.00500	0.004694	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.787	5.789	-0.002	77241	0.00500	0.004331	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.160	6.160	0.000	70375	0.00500	0.004331	80.00- 120.00	100.00(a)
4 beta-BHC						CAS #: 319-85-7	
6.264	6.263	0.001	30769	0.00500	0.004820	80.00- 120.00	100.00(a)
5 delta-BHC						CAS #: 319-86-8	
6.474	6.473	0.001	66608	0.00500	0.004230	80.00- 120.00	100.00(a)
6 Heptachlor						CAS #: 76-44-8	
6.734	6.731	0.003	61716	0.00500	0.004597	80.00- 120.00	100.00(a)
7 Aldrin						CAS #: 309-00-2	
7.114	7.114	0.000	57721	0.00500	0.004368	80.00- 120.00	100.00(a)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
8 Heptachlor epoxide						CAS #: 1024-57-3		
7.947	7.949	-0.002	49235	0.00500	0.004632	80.00- 120.00		100.00(a)
9 gamma-Chlordane						CAS #: 5103-74-2		
8.130	8.130	0.000	47524	0.00500	0.004392	80.00- 120.00		100.00(a)
10 alpha-Chlordane						CAS #: 5103-71-9		
8.330	8.330	0.000	46109	0.00500	0.004493	80.00- 120.00		100.00(a)
11 4,4'-DDE						CAS #: 72-55-9		
8.454	8.453	0.001	92806	0.01000	0.008775	80.00- 120.00		100.00(a)
12 Endosulfan I						CAS #: 959-98-8		
8.537	8.539	-0.002	43217	0.00500	0.004628	80.00- 120.00		100.00(a)
13 Dieldrin						CAS #: 60-57-1		
8.920	8.920	0.000	91839	0.01000	0.009085	80.00- 120.00		100.00(a)
14 Endrin						CAS #: 72-20-8		
9.307	9.305	0.002	79723	0.01000	0.009189	80.00- 120.00		100.00(a)
15 4,4'-DDD						CAS #: 72-54-8		
9.434	9.433	0.001	63855	0.01000	0.008722	80.00- 120.00		100.00(a)
16 Endosulfan II						CAS #: 33213-65-9		
9.694	9.691	0.003	73474	0.01000	0.009403	80.00- 120.00		100.00(a)
17 4,4'-DDT						CAS #: 50-29-3		
9.937	9.936	0.001	55769	0.01000	0.008585	80.00- 120.00		100.00(a)
18 Endrin aldehyde						CAS #: 7421-93-4		
10.464	10.461	0.003	60864	0.01000	0.009727	80.00- 120.00		100.00(a)
19 Methoxychlor						CAS #: 72-43-5		
10.874	10.871	0.003	149421	0.05000	0.05252	80.00- 120.00		100.00
20 Endosulfan sulfate						CAS #: 1031-07-8		
11.284	11.281	0.003	60989	0.01000	0.009258	80.00- 120.00		100.00(a)
21 Endrin ketone						CAS #: 53494-70-5		
11.804	11.802	0.002	79372	0.01000	0.009770	80.00- 120.00		100.00(a)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.797	13.798	-0.001	64247	0.01000	0.009654	80.00- 120.00		100.00

QC Flag Legend

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

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom12.d

Page 1

Date : 16-AUG-2013 21:39

Client ID: INDC2A1

Instrument: 5005_1.i

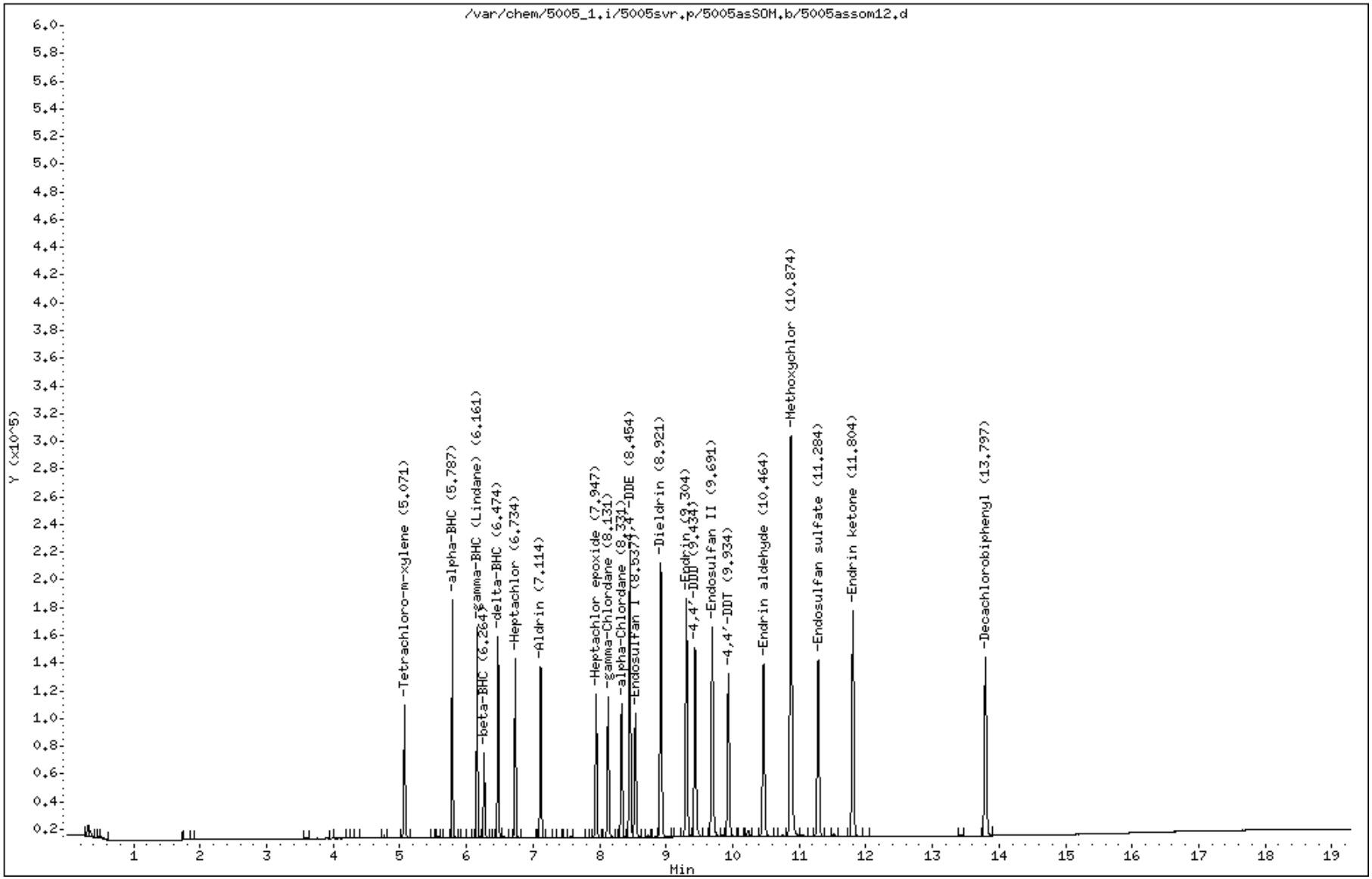
Sample Info: IC-525179,1,INDC2A1

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom12.d
Lab Smp Id: IC-525179 Client Smp ID: INDC2A1
Inj Date : 16-AUG-2013 21:39
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525179,1,INDC2A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

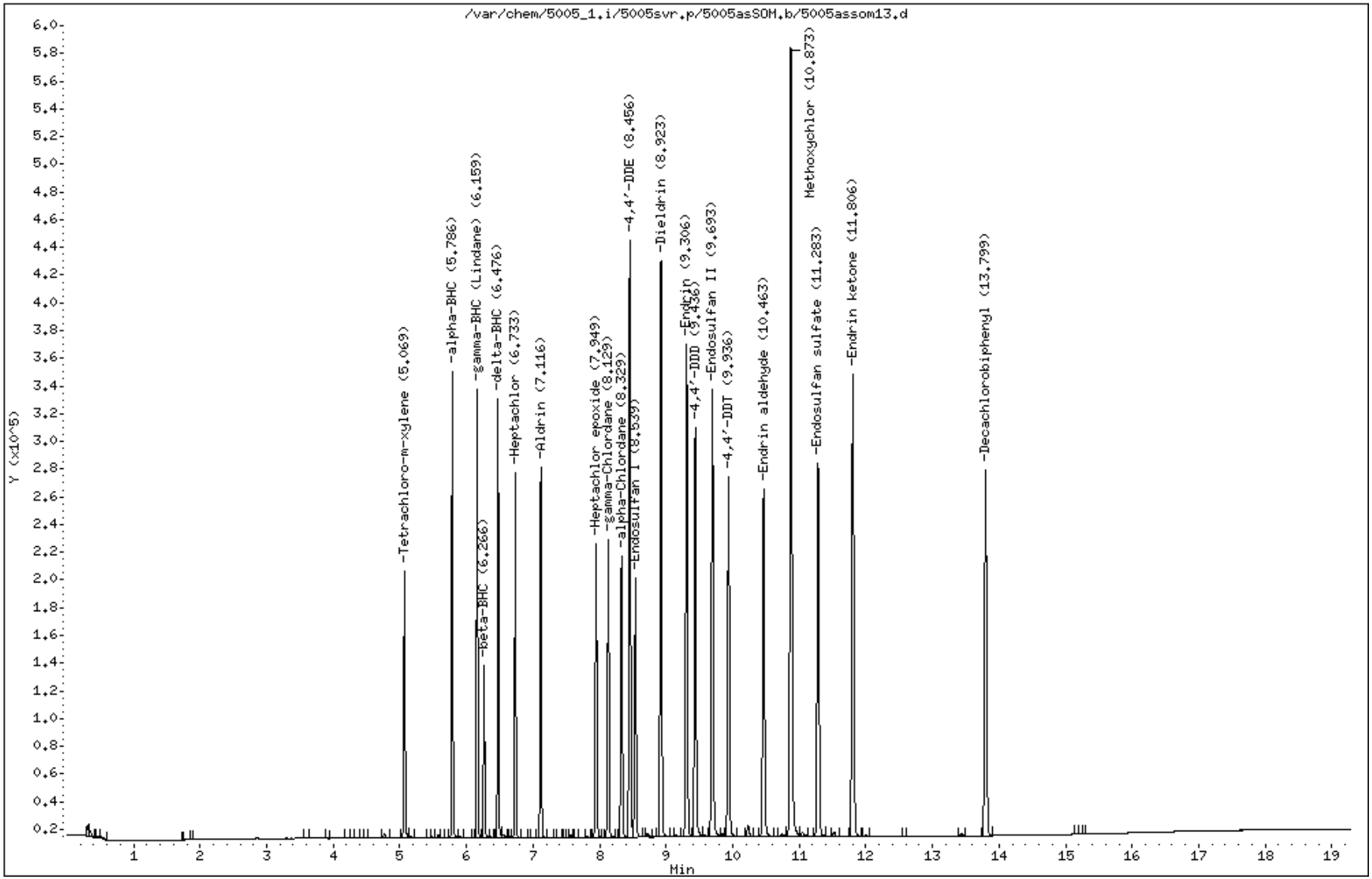
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.071	5.070	0.001	95592	0.01000	0.009582	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.787	5.789	-0.002	172016	0.01000	0.009645	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.161	6.160	0.001	152413	0.01000	0.009379	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.264	6.263	0.001	61792	0.01000	0.009680	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.474	6.473	0.001	145145	0.01000	0.009218	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.734	6.731	0.003	129519	0.01000	0.009647	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.114	7.114	0.000	123834	0.01000	0.009372	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.947	7.949	-0.002	103113	0.01000	0.009702	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.131	8.130	0.001	101104	0.01000	0.009343	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.331	8.330	0.001	96424	0.01000	0.009396	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.454	8.453	0.001	202352	0.02000	0.01913	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.537	8.539	-0.002	89916	0.01000	0.009629	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.921	8.920	0.001	197865	0.02000	0.01957	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.304	9.305	-0.001	172198	0.02000	0.01985	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.434	9.433	0.001	136002	0.02000	0.01858	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.691	9.691	0.000	151020	0.02000	0.01933	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.934	9.936	-0.002	118107	0.02000	0.01818	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.464	10.461	0.003	124256	0.02000	0.01986	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.874	10.871	0.003	289260	0.10000	0.1017	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.284	11.281	0.003	127132	0.02000	0.01930	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.804	11.802	0.002	162564	0.02000	0.02001	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.797	13.798	-0.001	128586	0.02000	0.01932	80.00- 120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom13.d
Date : 16-AUG-2013 22:01
Client ID: INDC3A1
Sample Info: IC-525174,1,INDC3A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom13.d
Lab Smp Id: ICRTAV-525174 Client Smp ID: INDC3A1
Inj Date : 16-AUG-2013 22:01
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525174,1,INDC3A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

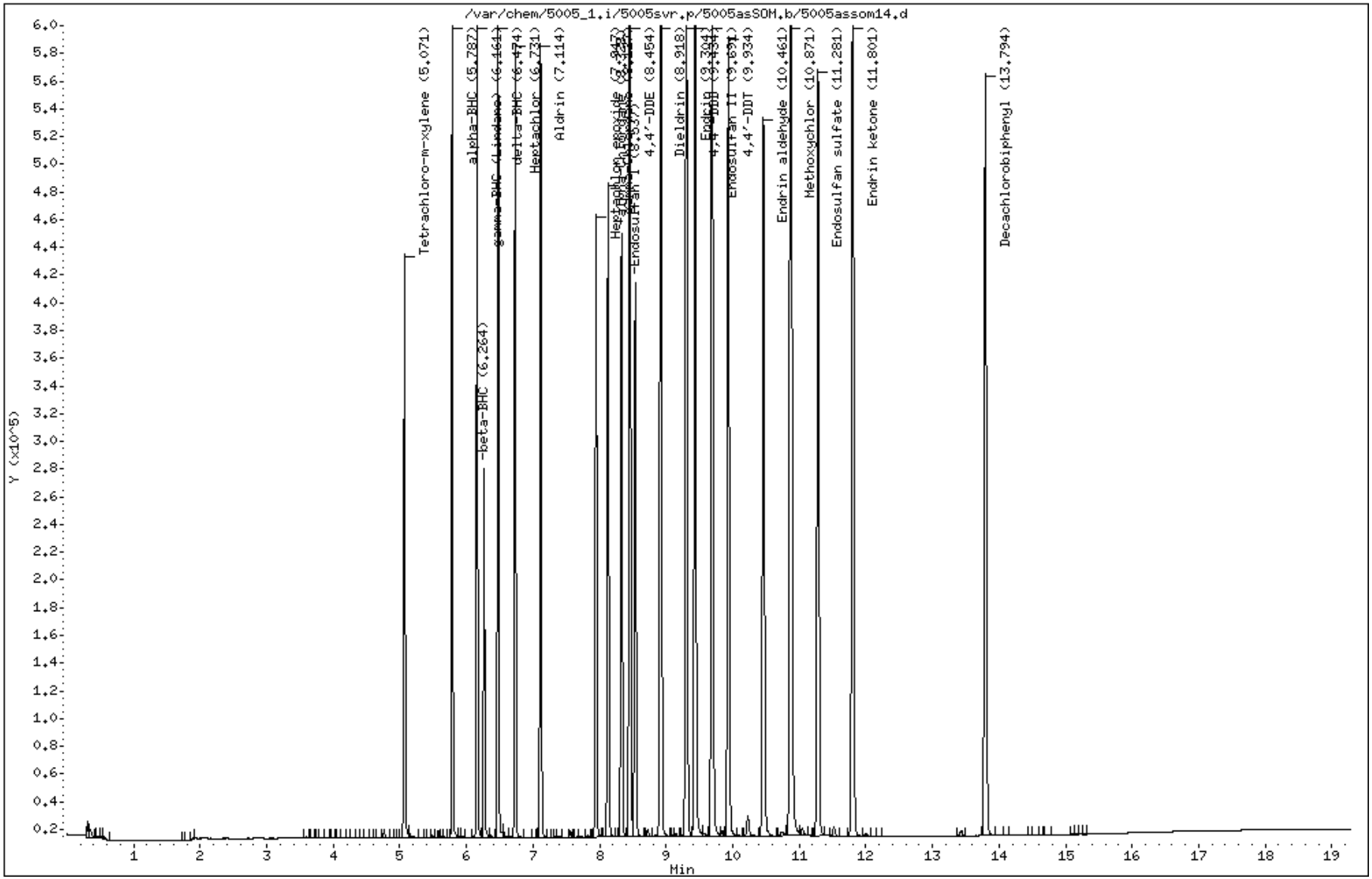
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.069	5.070	-0.001	192716	0.02000	0.01932	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	335998	0.02000	0.01884	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.159	6.160	-0.001	323783	0.02000	0.01992	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.263	0.003	124644	0.02000	0.01953	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.476	6.473	0.003	316928	0.02000	0.02013	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.733	6.731	0.002	263556	0.02000	0.01963	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.116	7.114	0.002	267201	0.02000	0.02022	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.949	7.949	0.000	211536	0.02000	0.01990	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.129	8.130	-0.001	215038	0.02000	0.01987	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.329	8.330	-0.001	203335	0.02000	0.01981	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.456	8.453	0.003	430589	0.04000	0.04071	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.539	8.539	0.000	187414	0.02000	0.02007	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.923	8.920	0.003	416024	0.04000	0.04115	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.306	9.305	0.001	354909	0.04000	0.04091	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.436	9.433	0.003	295001	0.04000	0.04030	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.693	9.691	0.002	322963	0.04000	0.04133	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.936	9.936	0.000	259241	0.04000	0.03991	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.463	10.461	0.002	250314	0.04000	0.04000	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.873	10.871	0.002	569674	0.20000	0.2002	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.283	11.281	0.002	269066	0.04000	0.04084	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.806	11.802	0.004	333124	0.04000	0.04101	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.799	13.798	0.001	264115	0.04000	0.03969	80.00- 120.00	100.00

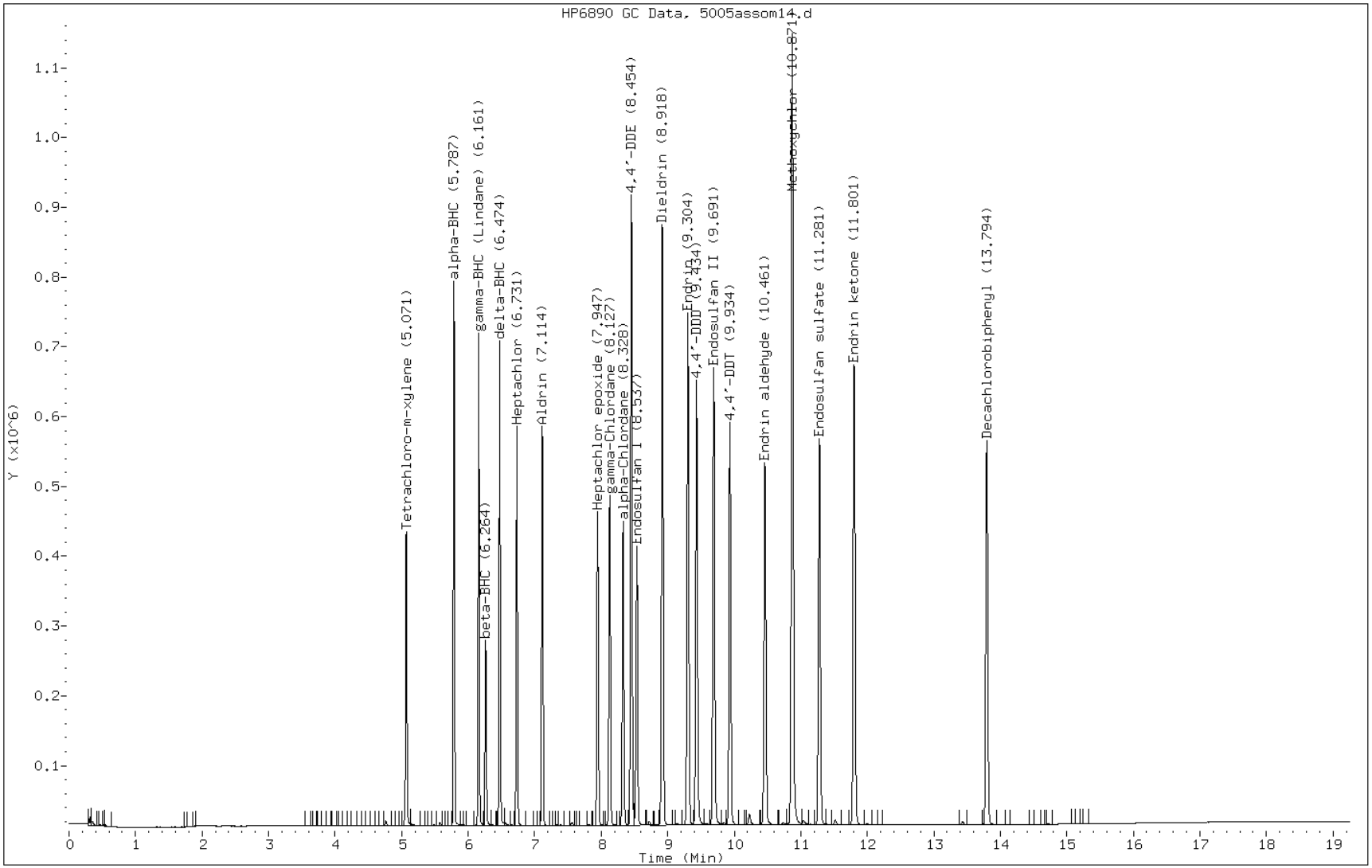
Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom14.d
Date : 16-AUG-2013 22:24
Client ID: INDC4A1
Sample Info: IC-525173,1,INDC4A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005assom14.d
Client ID: INDC4A1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525173,1,INDC4A1

Date: 16-AUG-2013 22:24
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom14.d
Lab Smp Id: IC-525173 Client Smp ID: INDC4A1
Inj Date : 16-AUG-2013 22:24
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525173,1,INDC4A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

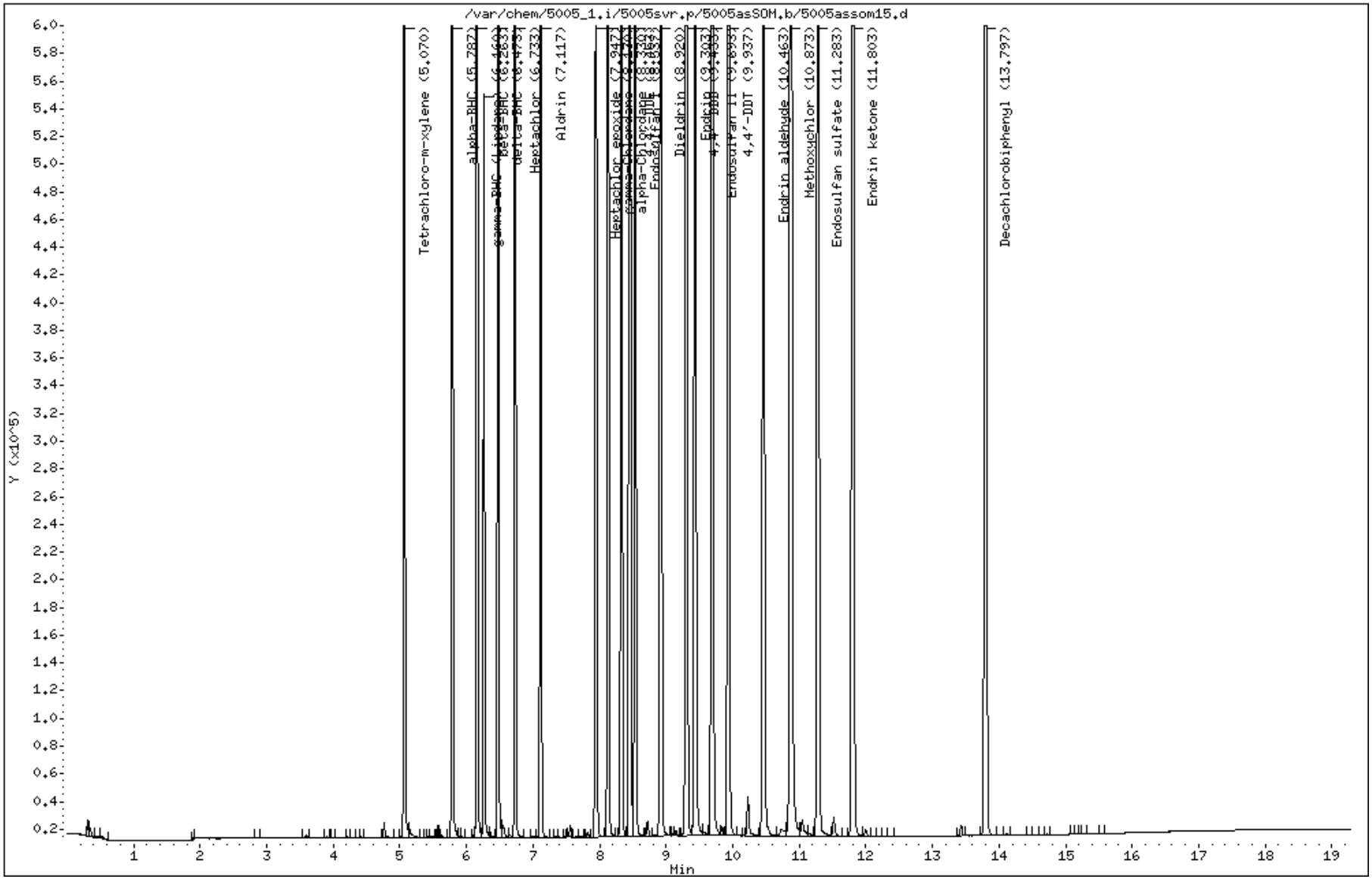
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.071	5.070	0.001	421754	0.04000	0.04228	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.787	5.789	-0.002	779276	0.04000	0.04369	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.161	6.160	0.001	706162	0.04000	0.04345	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.264	6.263	0.001	265645	0.04000	0.04162	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.474	6.473	0.001	694662	0.04000	0.04412	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.731	6.731	0.000	572583	0.04000	0.04265	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
7.114	7.114	0.000	572563	0.04000	0.04333	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.947	7.949	-0.002	449203	0.04000	0.04226	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.127	8.130	-0.003	472412	0.04000	0.04366	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.328	8.330	-0.002	435791	0.04000	0.04246	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.454	8.453	0.001	903172	0.08000	0.08540	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.537	8.539	-0.002	399345	0.04000	0.04277	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.918	8.920	-0.002	860398	0.08000	0.08511	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.304	9.305	-0.001	734089	0.08000	0.08461	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.434	9.433	0.001	637480	0.08000	0.08708	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.691	9.691	0.000	654526	0.08000	0.08377	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.934	9.936	-0.002	576557	0.08000	0.08875	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.461	10.461	0.000	519228	0.08000	0.08298	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.871	10.871	0.000	1133379	0.40000	0.3984	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.281	11.281	0.000	553032	0.08000	0.08395	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.801	11.802	-0.001	659456	0.08000	0.08118	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.794	13.798	-0.004	549842	0.08000	0.08262	80.00- 120.00	100.00

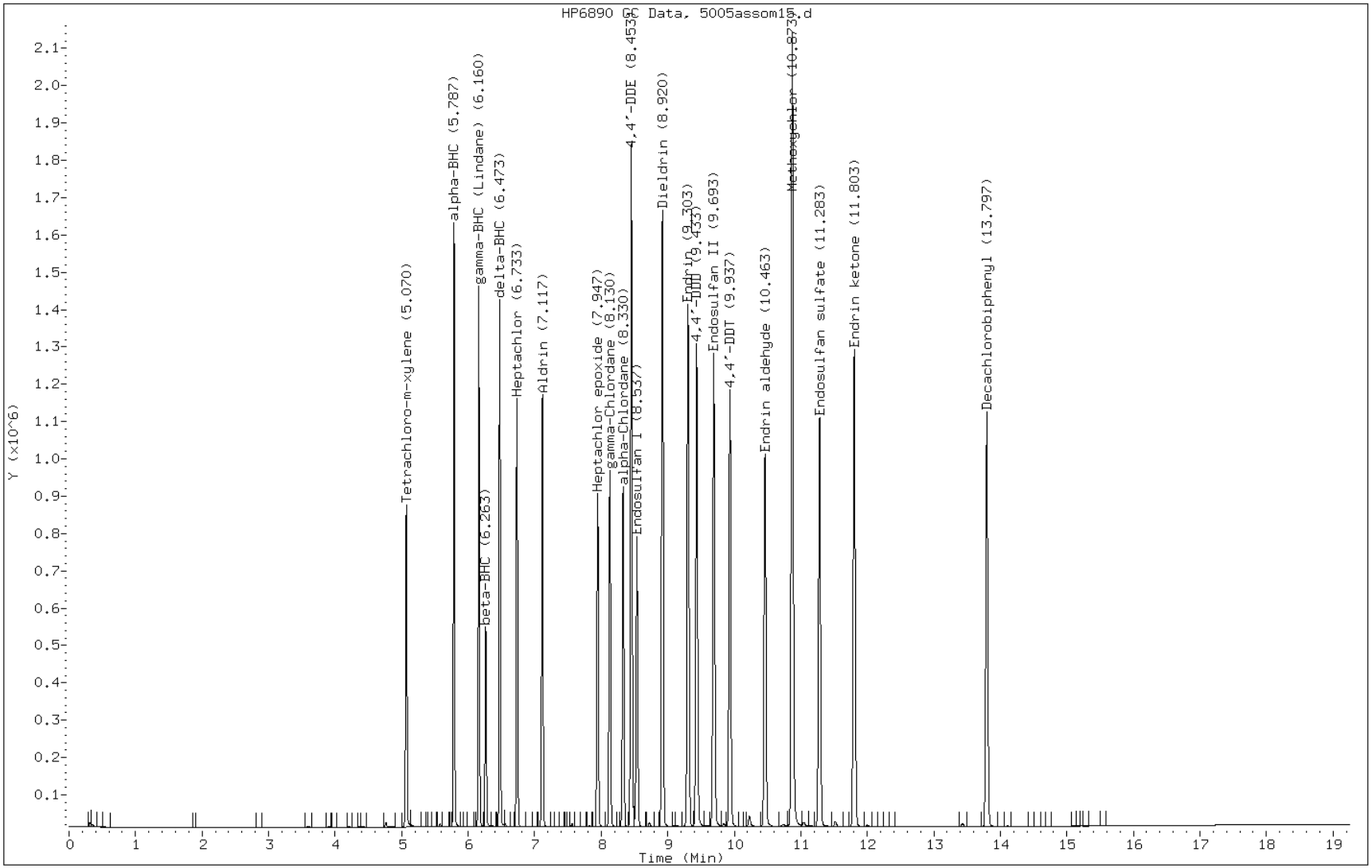
Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom15.d
Date : 16-AUG-2013 22:47
Client ID: INDC5A1
Sample Info: IC-525172,1,INDC5A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005assom15.d
Client ID: INDC5A1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525172,1,INDC5A1

Date: 16-AUG-2013 22:47
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom15.d
Lab Smp Id: IC-525172 Client Smp ID: INDC5A1
Inj Date : 16-AUG-2013 22:47
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525172,1,INDC5A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

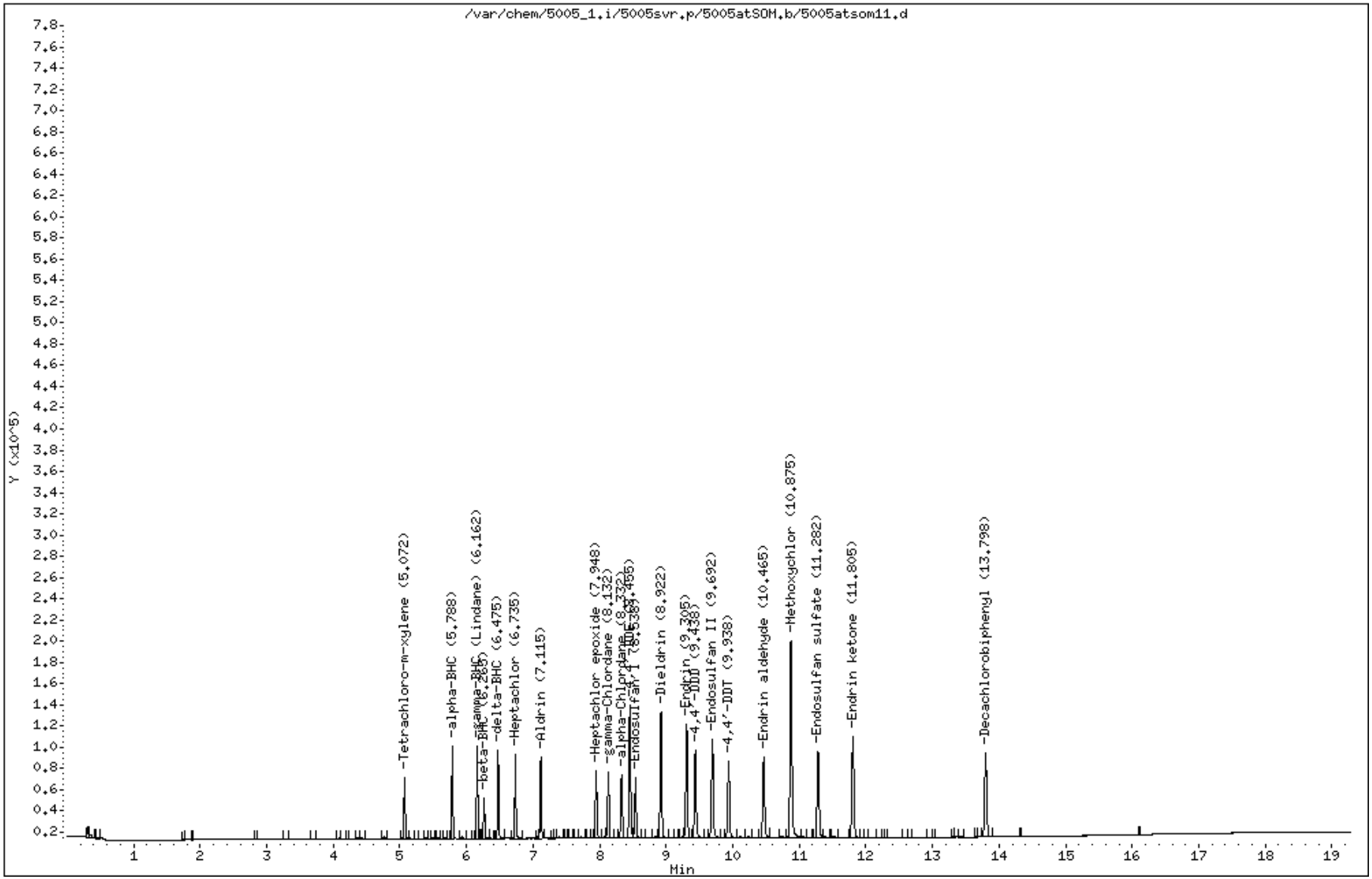
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	861978	0.08000	0.08641	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.787	5.789	-0.002	1619262	0.08000	0.09079	80.00- 120.00	100.00(A)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	1447566	0.08000	0.08908	80.00- 120.00	100.00(A)
4 beta-BHC					CAS #: 319-85-7		
6.263	6.263	0.000	536811	0.08000	0.08410	80.00- 120.00	100.00(A)
5 delta-BHC					CAS #: 319-86-8		
6.473	6.473	0.000	1414100	0.08000	0.08981	80.00- 120.00	100.00(A)
6 Heptachlor					CAS #: 76-44-8		
6.733	6.731	0.002	1147337	0.08000	0.08546	80.00- 120.00	100.00(A)
7 Aldrin					CAS #: 309-00-2		
7.117	7.114	0.003	1157129	0.08000	0.08757	80.00- 120.00	100.00(A)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.947	7.949	-0.002	894151	0.08000	0.08413	80.00- 120.00	100.00(A)
9 gamma-Chlordane						CAS #: 5103-74-2	
8.130	8.130	0.000	954385	0.08000	0.08819	80.00- 120.00	100.00(A)
10 alpha-Chlordane						CAS #: 5103-71-9	
8.330	8.330	0.000	910889	0.08000	0.08876	80.00- 120.00	100.00(A)
11 4,4'-DDE						CAS #: 72-55-9	
8.453	8.453	0.000	1828416	0.16000	0.1729	80.00- 120.00	100.00(A)
12 Endosulfan I						CAS #: 959-98-8	
8.537	8.539	-0.002	776085	0.08000	0.08311	80.00- 120.00	100.00(A)
13 Dieldrin						CAS #: 60-57-1	
8.920	8.920	0.000	1650197	0.16000	0.1632	80.00- 120.00	100.00(A)
14 Endrin						CAS #: 72-20-8	
9.303	9.305	-0.002	1399606	0.16000	0.1613	80.00- 120.00	100.00(A)
15 4,4'-DDD						CAS #: 72-54-8	
9.433	9.433	0.000	1292059	0.16000	0.1765	80.00- 120.00	100.00(A)
16 Endosulfan II						CAS #: 33213-65-9	
9.693	9.691	0.002	1266144	0.16000	0.1620	80.00- 120.00	100.00(A)
17 4,4'-DDT						CAS #: 50-29-3	
9.937	9.936	0.001	1169778	0.16000	0.1801	80.00- 120.00	100.00(A)
18 Endrin aldehyde						CAS #: 7421-93-4	
10.463	10.461	0.002	998151	0.16000	0.1595	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.873	10.871	0.002	2129736	0.80000	0.7486	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.283	11.281	0.002	1094994	0.16000	0.1662	80.00- 120.00	100.00(A)
21 Endrin ketone						CAS #: 53494-70-5	
11.803	11.802	0.001	1277119	0.16000	0.1572	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.797	13.798	-0.001	1111337	0.16000	0.1670	80.00- 120.00	100.00

QC Flag Legend

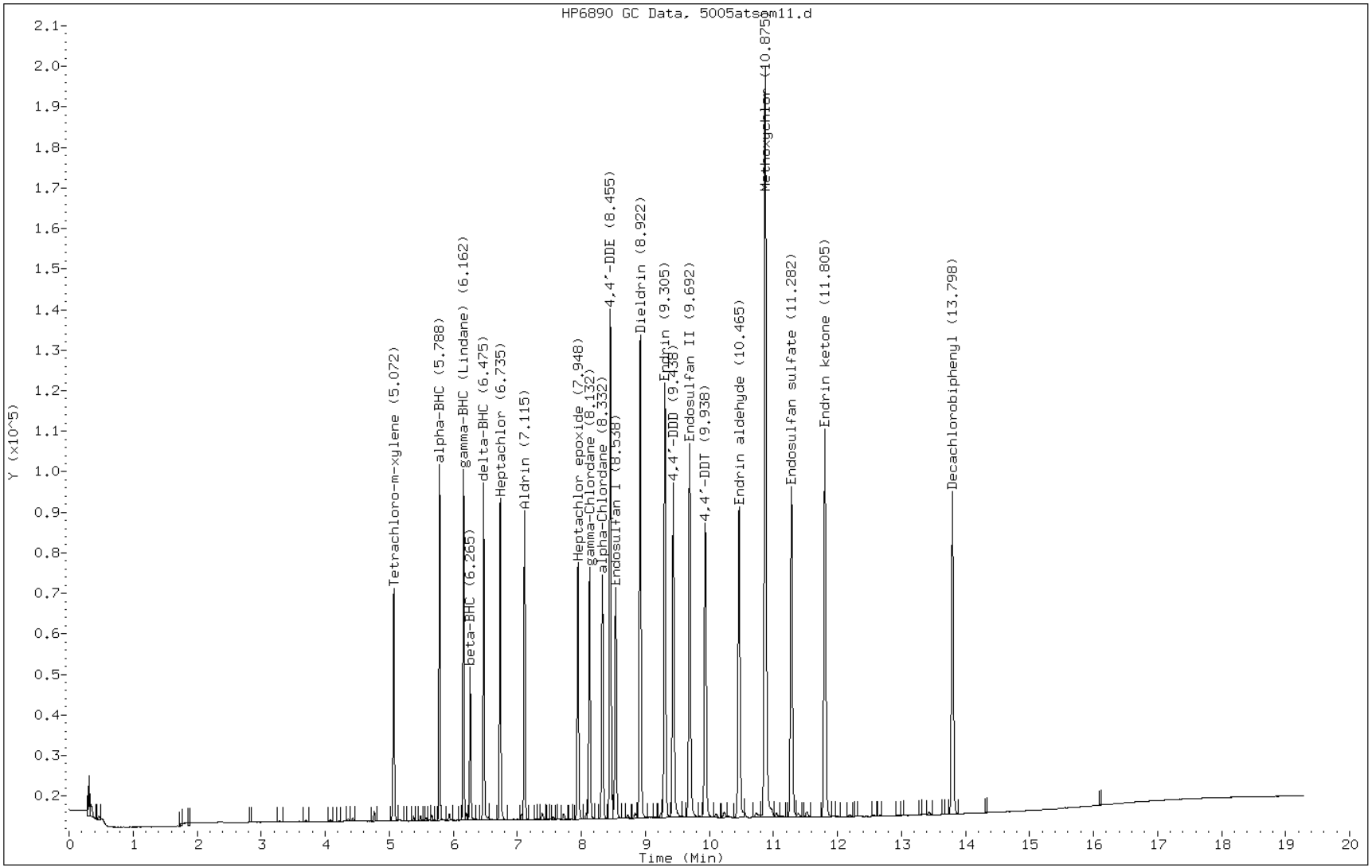
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom11.d
Date : 25-AUG-2013 21:04
Client ID: INDC1D1
Instrument: 5005_1.i
Sample Info: IC-525180,1,INDC1D1
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



Data File: 5005atsom11.d
Client ID: INDC1D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525180,1,INDC1D1

Date: 25-AUG-2013 21:04
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom11.d
Lab Smp Id: IC-525180 Client Smp ID: INDC1D1
Inj Date : 25-AUG-2013 21:04
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525180,1,INDC1D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.072	5.070	0.002	57393	0.00500	0.004646	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.788	5.789	-0.001	87641	0.00500	0.004134	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.162	6.160	0.002	86450	0.00500	0.004319	80.00- 120.00	100.00(a)
4 beta-BHC						CAS #: 319-85-7	
6.265	6.264	0.001	37726	0.00500	0.004854	80.00- 120.00	100.00(a)
5 delta-BHC						CAS #: 319-86-8	
6.475	6.477	-0.002	83262	0.00500	0.004306	80.00- 120.00	100.00(a)
6 Heptachlor						CAS #: 76-44-8	
6.735	6.734	0.001	79309	0.00500	0.004647	80.00- 120.00	100.00(a)
7 Aldrin						CAS #: 309-00-2	
7.115	7.118	-0.003	76247	0.00500	0.004531	80.00- 120.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.948	7.949	-0.001	63262	0.00500	0.004701	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.132	8.130	0.002	62019	0.00500	0.004437	80.00- 120.00	100.00(a)
10 alpha-Chlordane					CAS #: 5103-71-9		
8.332	8.330	0.002	60192	0.00500	0.004504	80.00- 120.00	100.00(a)
11 4,4'-DDE					CAS #: 72-55-9		
8.455	8.454	0.001	125753	0.01000	0.008824	80.00- 120.00	100.00(a)
12 Endosulfan I					CAS #: 959-98-8		
8.538	8.540	-0.002	56888	0.00500	0.004788	80.00- 120.00	100.00(a)
13 Dieldrin					CAS #: 60-57-1		
8.922	8.920	0.002	119020	0.01000	0.009310	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.305	9.308	-0.003	107123	0.01000	0.009487	80.00- 120.00	100.00(a)
15 4,4'-DDD					CAS #: 72-54-8		
9.438	9.438	0.000	82490	0.01000	0.008772	80.00- 120.00	100.00(a)
16 Endosulfan II					CAS #: 33213-65-9		
9.692	9.691	0.001	92255	0.01000	0.009519	80.00- 120.00	100.00(a)
17 4,4'-DDT					CAS #: 50-29-3		
9.938	9.939	-0.001	72623	0.01000	0.008446	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.465	10.464	0.001	76627	0.01000	0.009840	80.00- 120.00	100.00(a)
19 Methoxychlor					CAS #: 72-43-5		
10.875	10.874	0.001	185053	0.05000	0.05154	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.282	11.281	0.001	81462	0.01000	0.009510	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
11.805	11.804	0.001	95789	0.01000	0.009692	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	79627	0.01000	0.009596	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom11.d

Date : 25-AUG-2013 21:04

Client ID: INDC1D1

Instrument: 5005_2.i

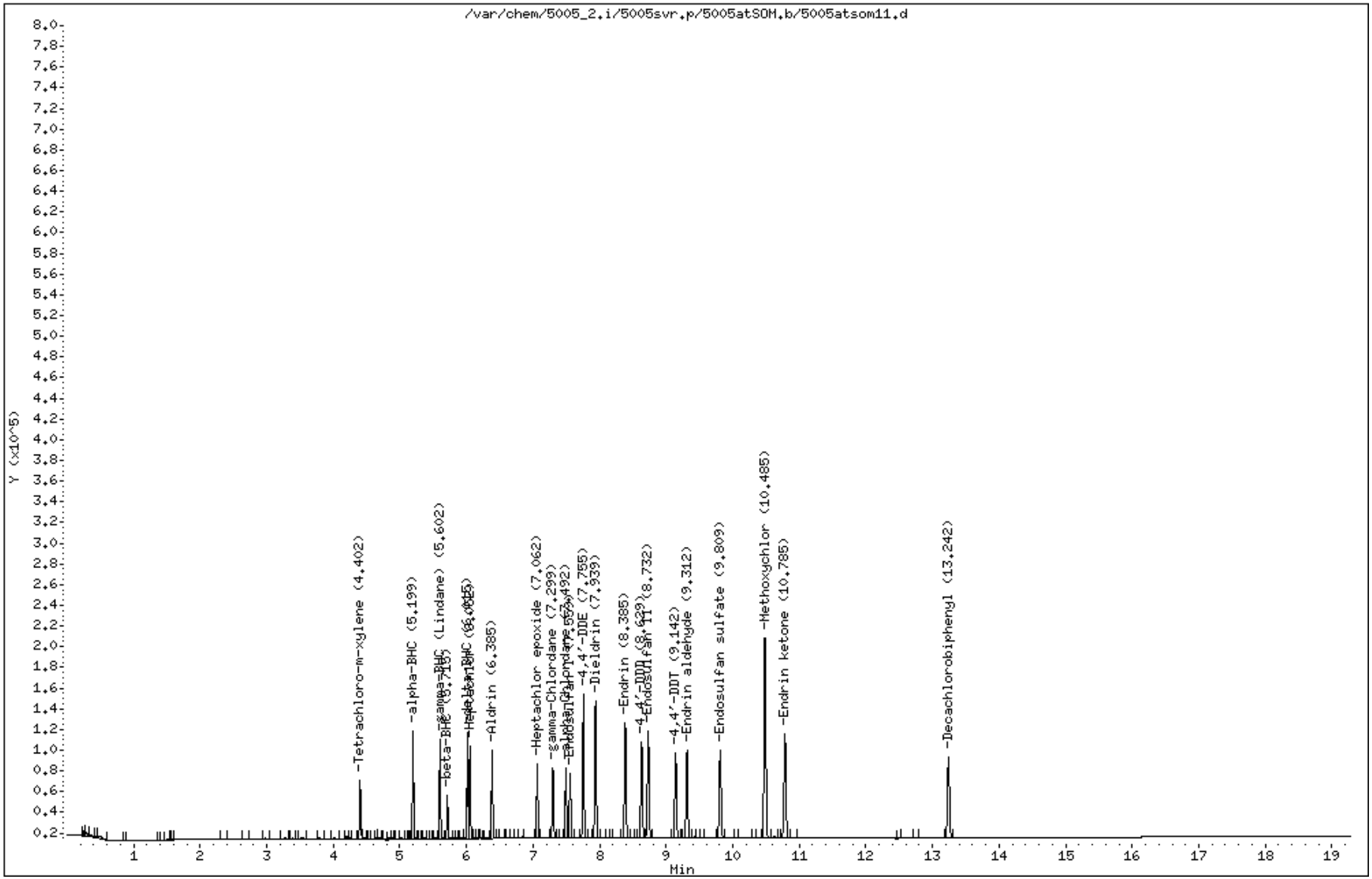
Sample Info: IC-525180,1,INDC1D1

Volume Injected (uL): 1.0

Operator: RRM

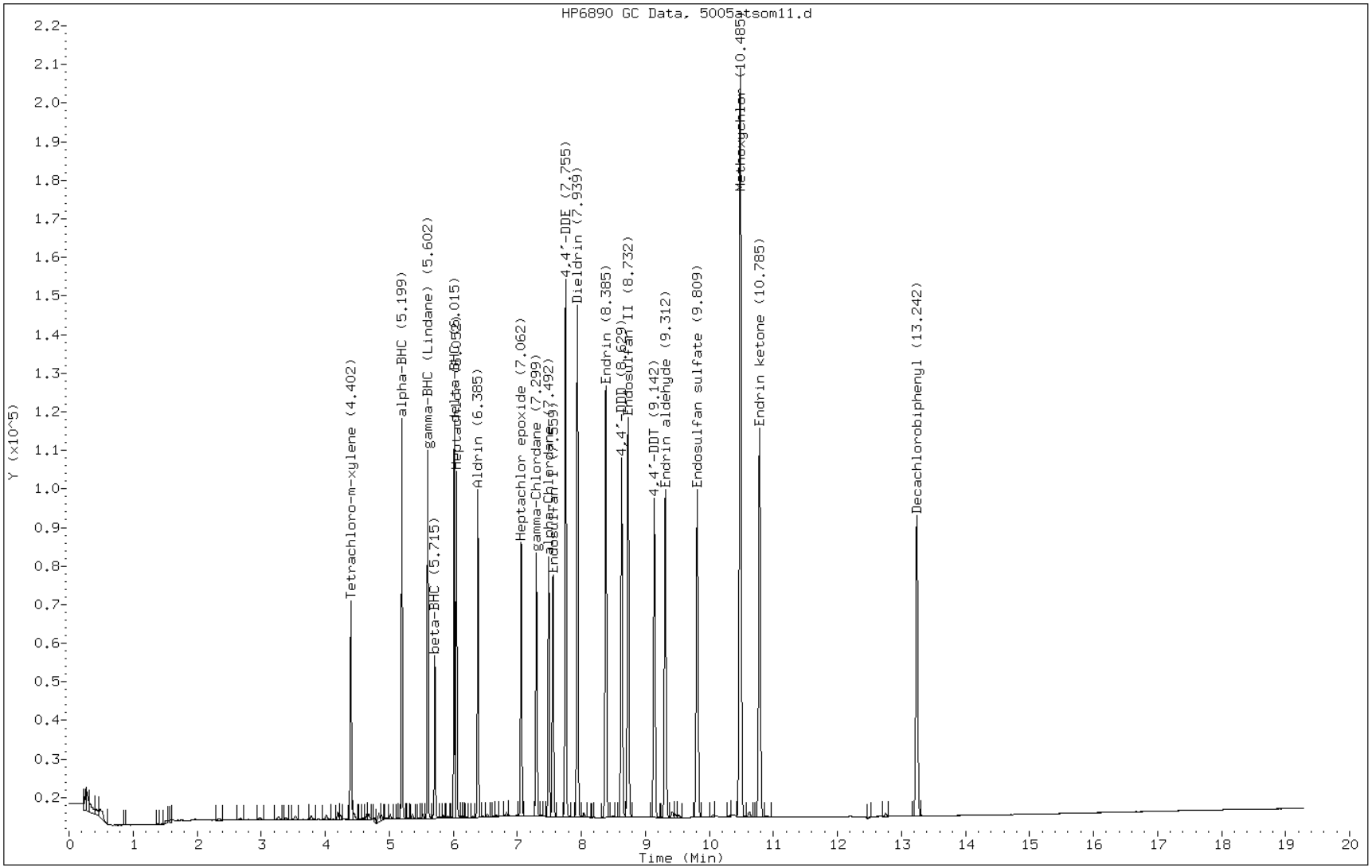
Column phase: RTX-CLPII

Column diameter: 0.32



Data File: 5005atsom11.d
Client ID: INDC1D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525180,1,INDC1D1

Date: 25-AUG-2013 21:04
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom11.d
Lab Smp Id: IC-525180 Client Smp ID: INDC1D1
Inj Date : 25-AUG-2013 21:04
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525180,1,INDC1D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:04 Cal File: 5005atsom11.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.402	4.402	0.000	56542	0.00500	0.004675	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.199	5.200	-0.001	103685	0.00500	0.004396	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
5.602	5.601	0.001	95464	0.00500	0.004388	80.00- 120.00	100.00(a)
4 beta-BHC						CAS #: 319-85-7	
5.715	5.715	0.000	42105	0.00500	0.004810	80.00- 120.00	100.00(a)
5 delta-BHC						CAS #: 319-86-8	
6.015	6.019	-0.004	102034	0.00500	0.004358	80.00- 120.00	100.00(a)
6 Heptachlor						CAS #: 76-44-8	
6.052	6.050	0.002	89844	0.00500	0.004612	80.00- 120.00	100.00(a)
7 Aldrin						CAS #: 309-00-2	
6.385	6.389	-0.004	84940	0.00500	0.004504	80.00- 120.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.062	7.061	0.001	70950	0.00500	0.004721	80.00- 120.00	100.00(aM)
9 gamma-Chlordane					CAS #: 5103-74-2		
7.299	7.300	-0.001	68305	0.00500	0.004488	80.00- 120.00	100.00(aM)
10 alpha-Chlordane					CAS #: 5103-71-9		
7.492	7.491	0.001	67341	0.00500	0.004651	80.00- 120.00	100.00(aM)
11 4,4'-DDE					CAS #: 72-55-9		
7.755	7.759	-0.004	139458	0.01000	0.009091	80.00- 120.00	100.00(a)
12 Endosulfan I					CAS #: 959-98-8		
7.559	7.559	0.000	62742	0.00500	0.004786	80.00- 120.00	100.00(aM)
13 Dieldrin					CAS #: 60-57-1		
7.939	7.940	-0.001	132755	0.01000	0.009498	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
8.385	8.386	-0.001	111710	0.01000	0.009477	80.00- 120.00	100.00(a)
15 4,4'-DDD					CAS #: 72-54-8		
8.629	8.630	-0.001	93096	0.01000	0.009058	80.00- 120.00	100.00(a)
16 Endosulfan II					CAS #: 33213-65-9		
8.732	8.730	0.002	103546	0.01000	0.009685	80.00- 120.00	100.00(a)
17 4,4'-DDT					CAS #: 50-29-3		
9.142	9.141	0.001	82793	0.01000	0.008881	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
9.312	9.311	0.001	84911	0.01000	0.01002	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
10.485	10.485	0.000	193927	0.05000	0.05213	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
9.809	9.810	-0.001	85006	0.01000	0.009505	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
10.785	10.785	0.000	100872	0.01000	0.009977	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.242	13.241	0.001	77939	0.01000	0.009669	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atsom11.d
Lab Sample ID: IC-525180
Inj. Date and Time: 25-AUG-2013 21:04
Instrument ID: 5005_2.i
Client ID: INDC1D1
Compound: 8 Heptachlor epoxide
CAS #: 1024-57-3
Report Date: 08/28/2013

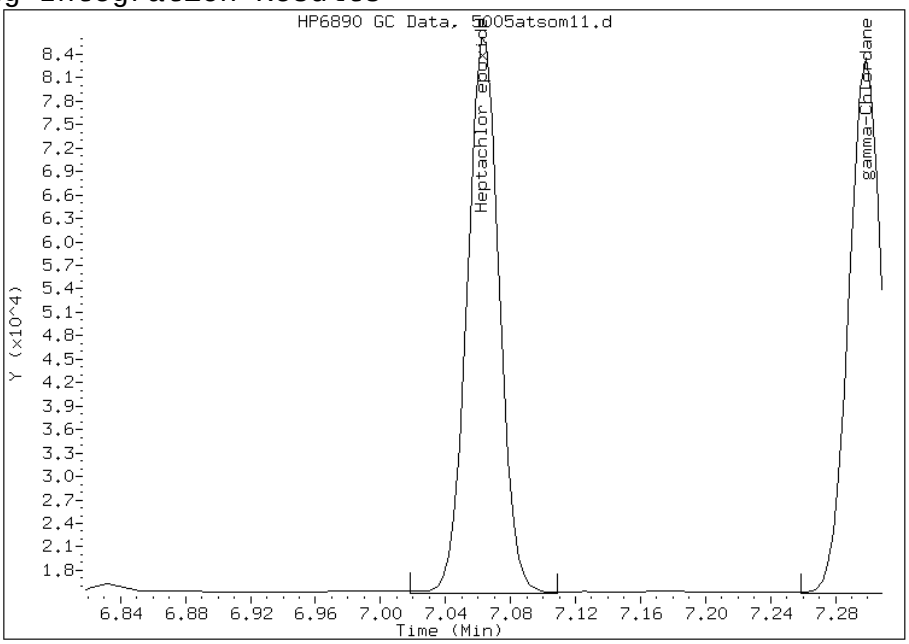
Processing Integration Results

RT: 7.06

Response: 71102

Amount: 0.004731

Conc: 0.004731



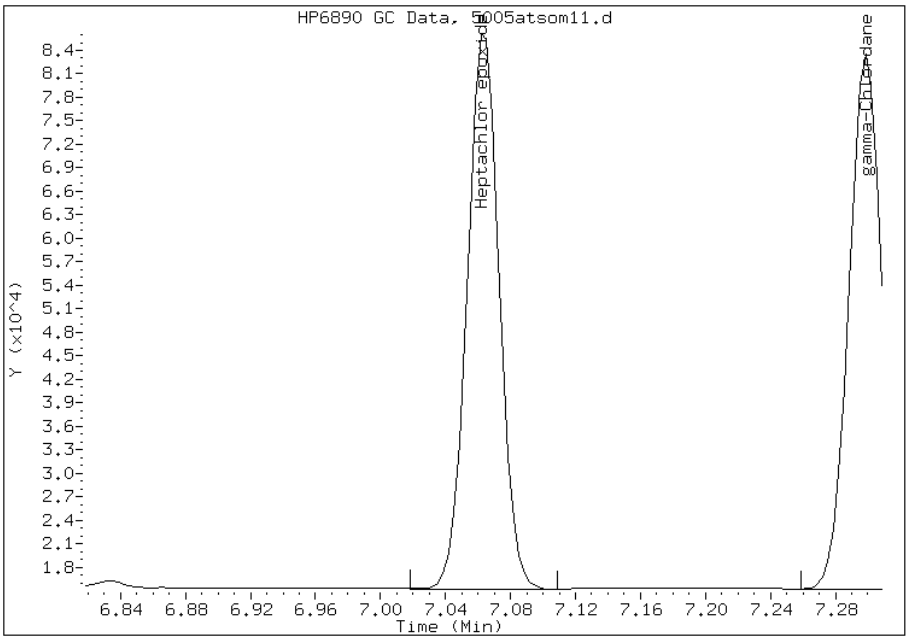
Manual Integration Results

RT: 7.06

Response: 70950

Amount: 0.004721

Conc: 0.004721



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atsom11.d
Lab Sample ID: IC-525180
Inj. Date and Time: 25-AUG-2013 21:04
Instrument ID: 5005_2.i
Client ID: INDC1D1
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 08/28/2013

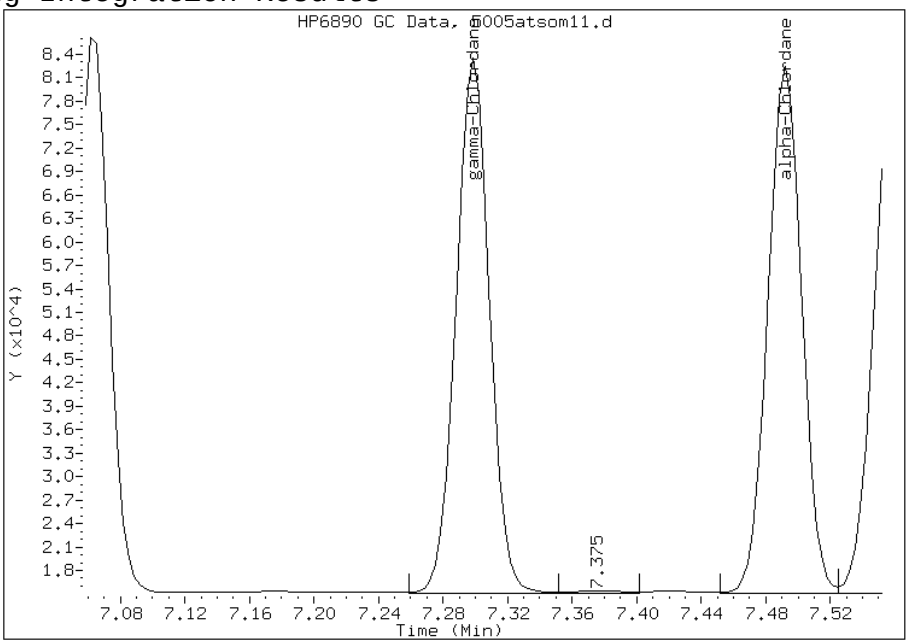
Processing Integration Results

RT: 7.30

Response: 68412

Amount: 0.004495

Conc: 0.004495



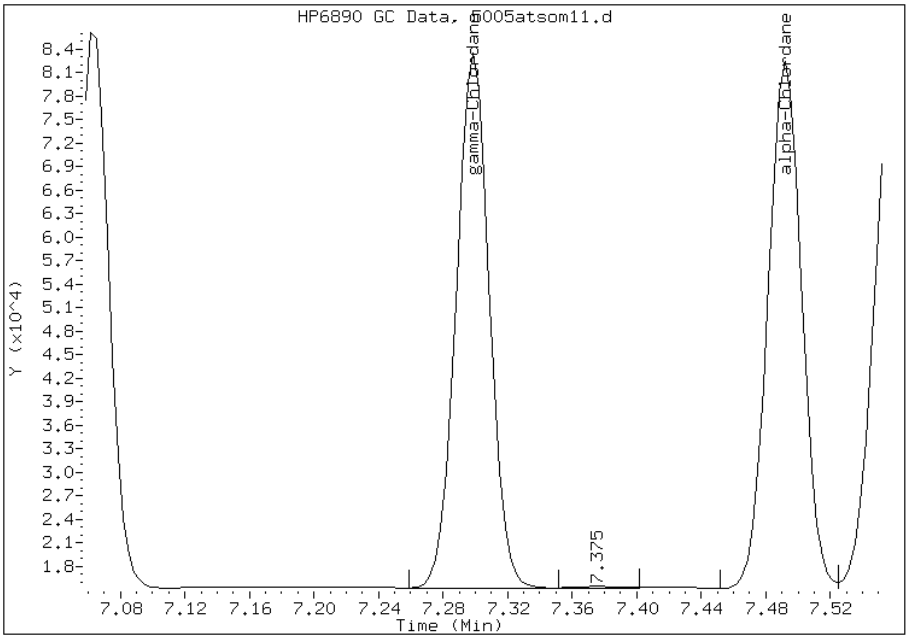
Manual Integration Results

RT: 7.30

Response: 68305

Amount: 0.004488

Conc: 0.004488



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atsom11.d
Lab Sample ID: IC-525180
Inj. Date and Time: 25-AUG-2013 21:04
Instrument ID: 5005_2.i
Client ID: INDC1D1
Compound: 10 alpha-Chlordane
CAS #: 5103-71-9
Report Date: 08/28/2013

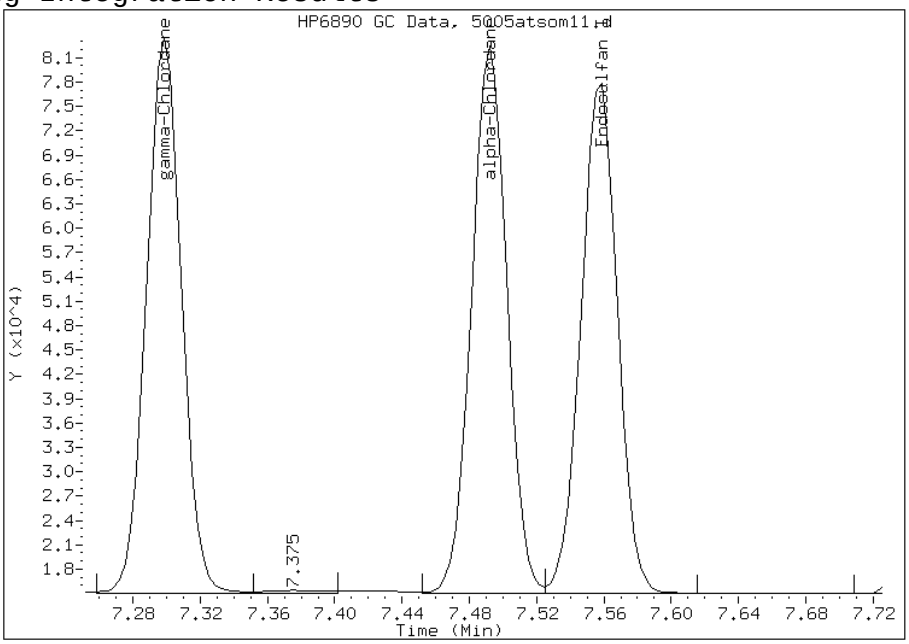
Processing Integration Results

RT: 7.49

Response: 67407

Amount: 0.004655

Conc: 0.004655



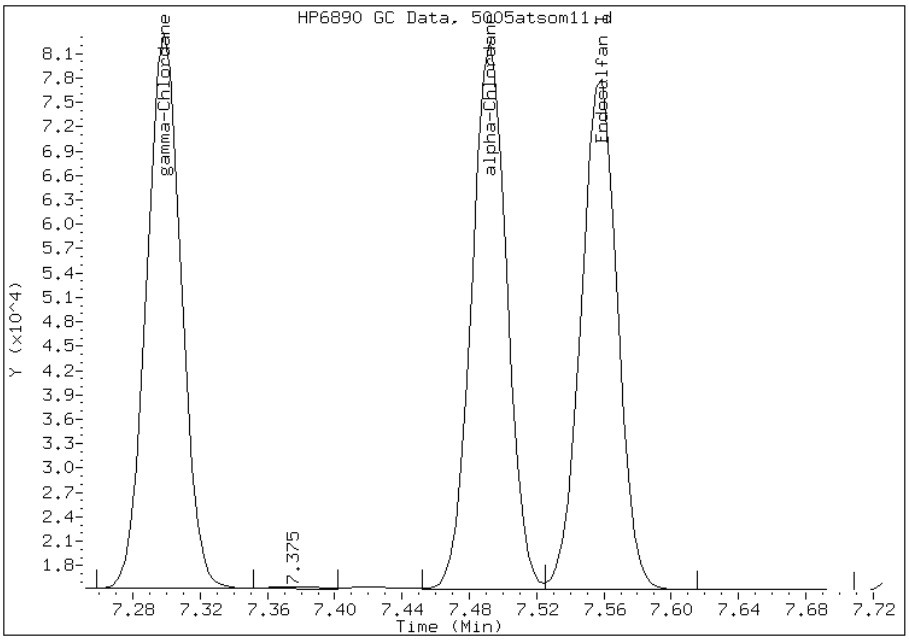
Manual Integration Results

RT: 7.49

Response: 67341

Amount: 0.004651

Conc: 0.004651



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atsom11.d
Lab Sample ID: IC-525180
Inj. Date and Time: 25-AUG-2013 21:04
Instrument ID: 5005_2.i
Client ID: INDC1D1
Compound: 12 Endosulfan I
CAS #: 959-98-8
Report Date: 08/28/2013

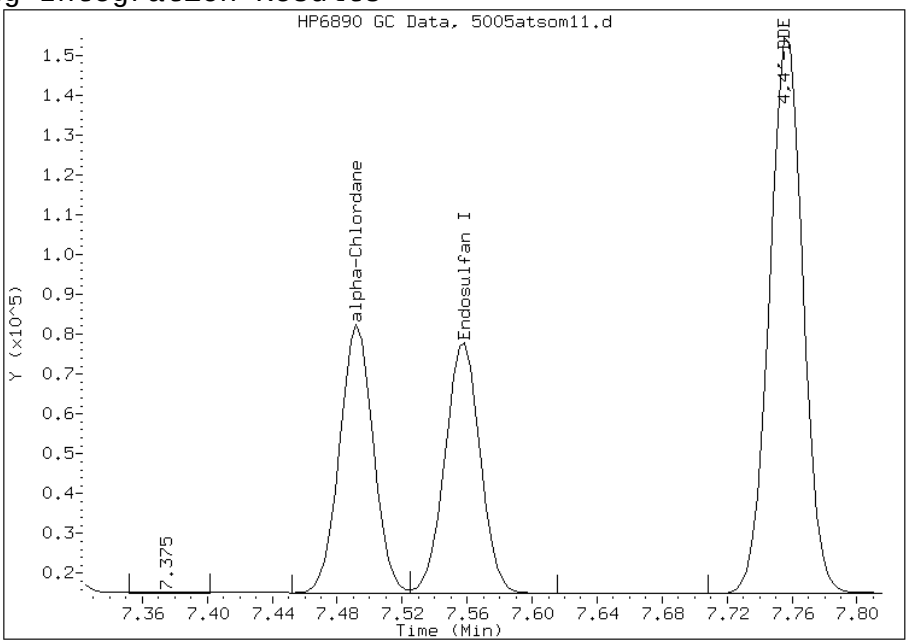
Processing Integration Results

RT: 7.56

Response: 62773

Amount: 0.004788

Conc: 0.004788



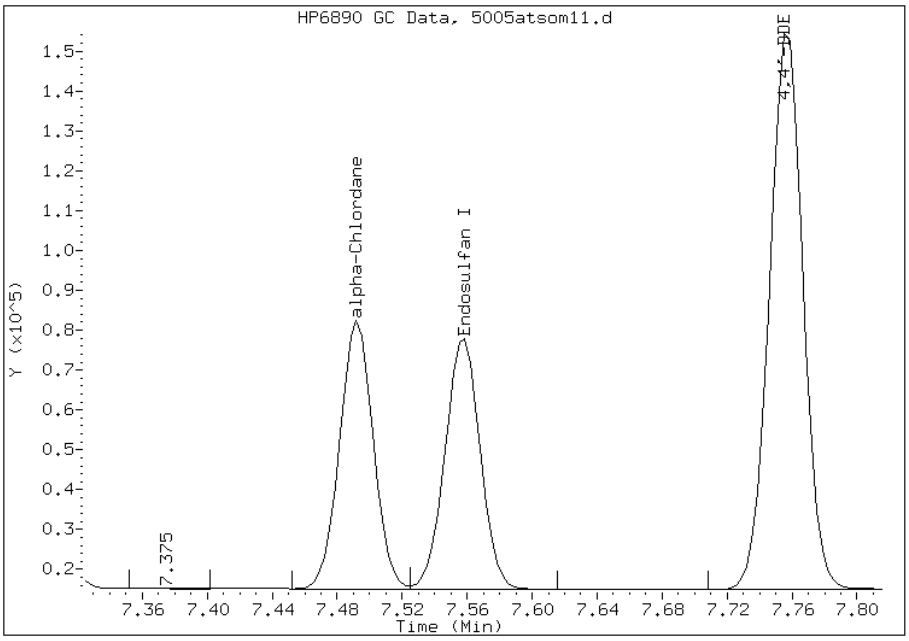
Manual Integration Results

RT: 7.56

Response: 62742

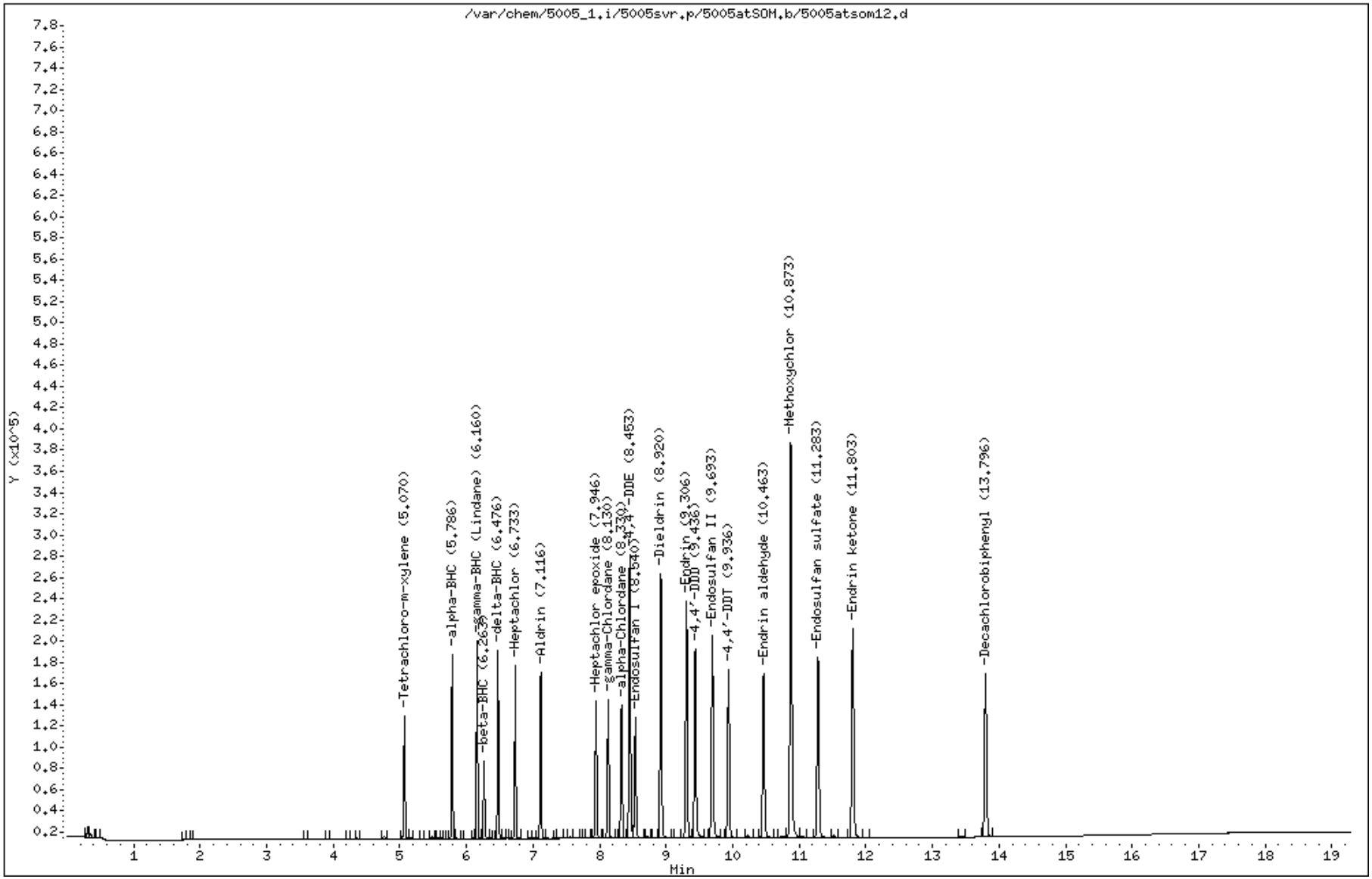
Amount: 0.004786

Conc: 0.004786



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom12.d
Date : 25-AUG-2013 21:27
Client ID: INDC2D1
Instrument: 5005_1.i
Sample Info: IC-525179,1,INDC2D1
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom12.d
Lab Smp Id: IC-525179 Client Smp ID: INDC2D1
Inj Date : 25-AUG-2013 21:27
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525179,1,INDC2D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

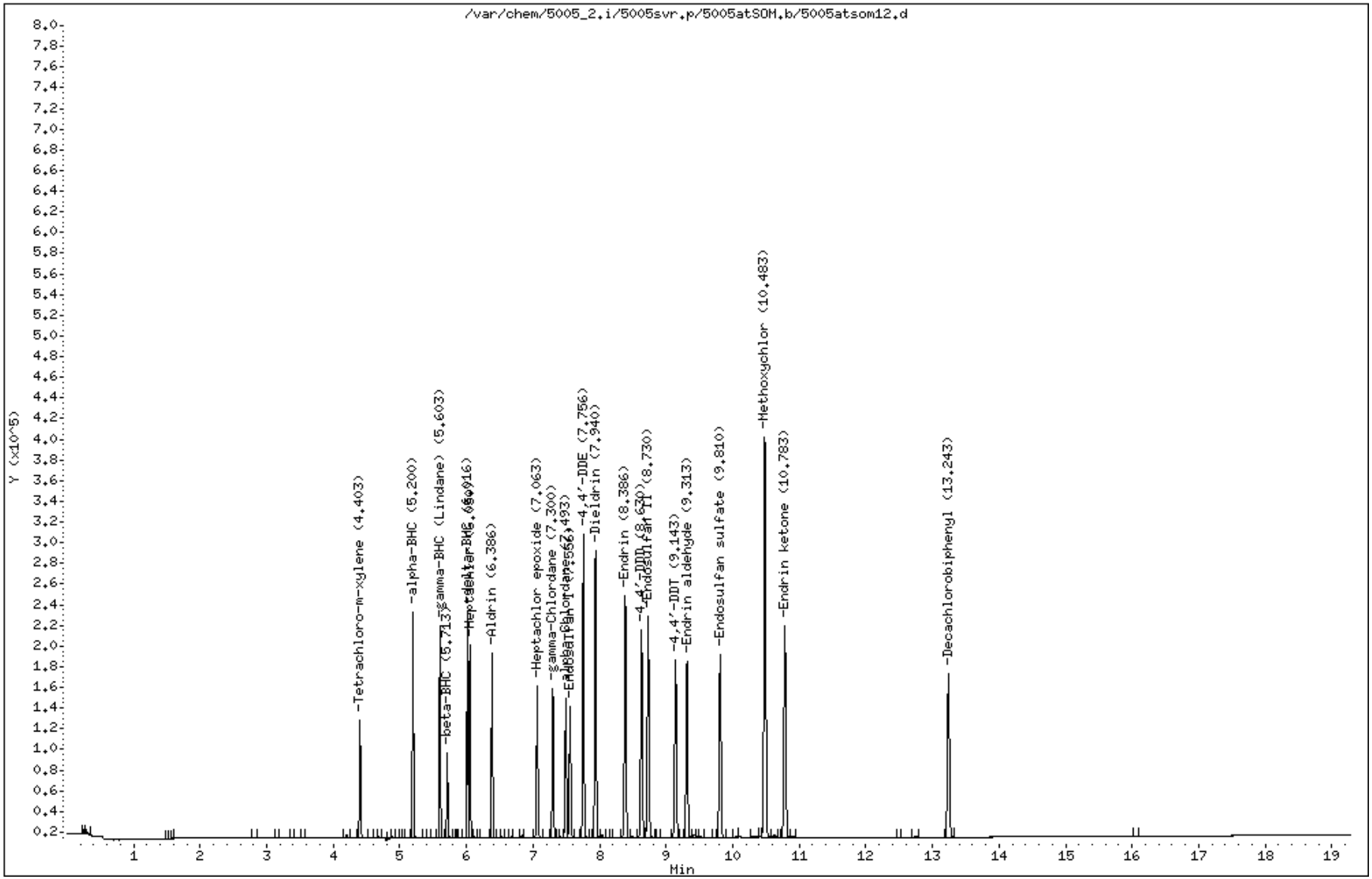
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	115265	0.01000	0.009330	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.786	5.789	-0.003	173001	0.01000	0.008160	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	185865	0.01000	0.009286	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.263	6.264	-0.001	72620	0.01000	0.009344	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.476	6.477	-0.001	177349	0.01000	0.009172	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.733	6.734	-0.001	162905	0.01000	0.009546	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.116	7.118	-0.002	156733	0.01000	0.009313	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.946	7.949	-0.003	129695	0.01000	0.009637	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.130	8.130	0.000	130197	0.01000	0.009314	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.330	8.330	0.000	125086	0.01000	0.009359	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.453	8.454	-0.001	267055	0.02000	0.01874	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.540	8.540	0.000	113706	0.01000	0.009569	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.920	8.920	0.000	248492	0.02000	0.01944	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.306	9.308	-0.002	222951	0.02000	0.01974	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.436	9.438	-0.002	178115	0.02000	0.01894	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.693	9.691	0.002	191149	0.02000	0.01972	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.936	9.939	-0.003	158430	0.02000	0.01843	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.463	10.464	-0.001	155091	0.02000	0.01992	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.873	10.874	-0.001	372462	0.10000	0.1037	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.283	11.281	0.002	170399	0.02000	0.01989	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.803	11.804	-0.001	197701	0.02000	0.02000	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.796	13.798	-0.002	154210	0.02000	0.01858	80.00- 120.00	100.00

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom12.d
Date : 25-AUG-2013 21:27
Client ID: INDC2D1
Sample Info: IC-525179,1,INDC2D1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom12.d
Lab Smp Id: IC-525179 Client Smp ID: INDC2D1
Inj Date : 25-AUG-2013 21:27
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525179,1,INDC2D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:27 Cal File: 5005atsom12.d
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.403	4.402	0.001	114601	0.01000	0.009476	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.200	5.200	0.000	218257	0.01000	0.009254	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
5.603	5.601	0.002	204704	0.01000	0.009409	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
5.713	5.715	-0.002	82250	0.01000	0.009395	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.016	6.019	-0.003	217756	0.01000	0.009301	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.050	6.050	0.000	186066	0.01000	0.009550	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
6.386	6.389	-0.003	178109	0.01000	0.009445	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.063	7.061	0.002	145913	0.01000	0.009709	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
7.300	7.300	0.000	143214	0.01000	0.009409	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
7.493	7.491	0.002	134234	0.01000	0.009271	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
7.756	7.759	-0.003	293280	0.02000	0.01912	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
7.556	7.559	-0.003	125893	0.01000	0.009603	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
7.940	7.940	0.000	276705	0.02000	0.01980	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
8.386	8.386	0.000	233562	0.02000	0.01981	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
8.630	8.630	0.000	200813	0.02000	0.01954	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
8.730	8.730	0.000	213402	0.02000	0.01996	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.143	9.141	0.002	172041	0.02000	0.01845	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
9.313	9.311	0.002	170105	0.02000	0.02007	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.483	10.485	-0.002	386383	0.10000	0.1039	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
9.810	9.810	0.000	176553	0.02000	0.01974	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
10.783	10.785	-0.002	204745	0.02000	0.02025	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.243	13.241	0.002	158219	0.02000	0.01963	80.00- 120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom13.d

Date : 25-AUG-2013 21:50

Client ID: INDC3D1

Instrument: 5005_1.i

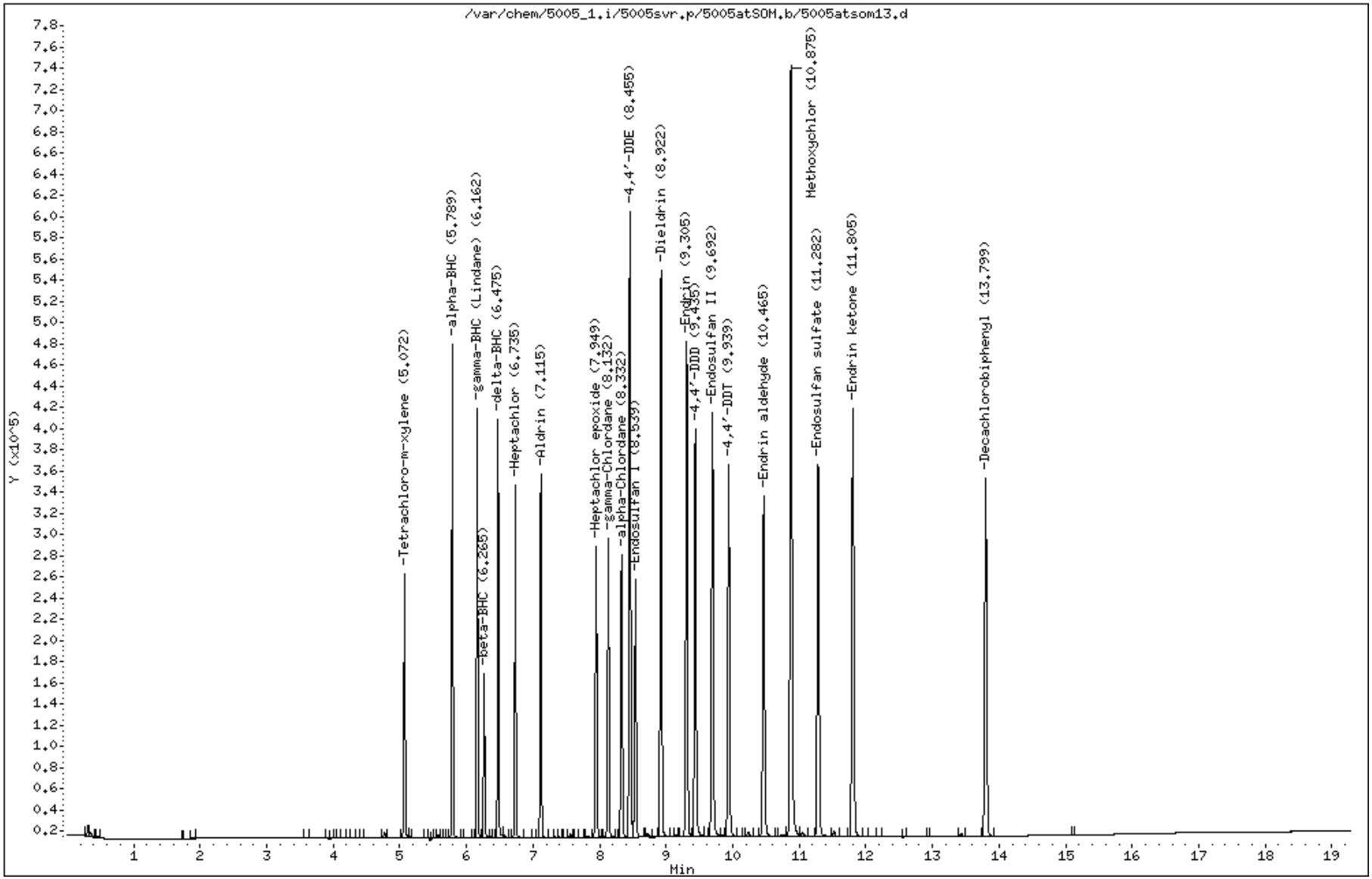
Sample Info: ICRTAV-525174,1,INDC3D1

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom13.d
Lab Smp Id: ICRTAV-525174 Client Smp ID: INDC3D1
Inj Date : 25-AUG-2013 21:50
Operator : RRM Inst ID: 5005_1.i
Smp Info : ICRTAV-525174,1,INDC3D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 11:10 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:50 Cal File: 5005atsom13.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

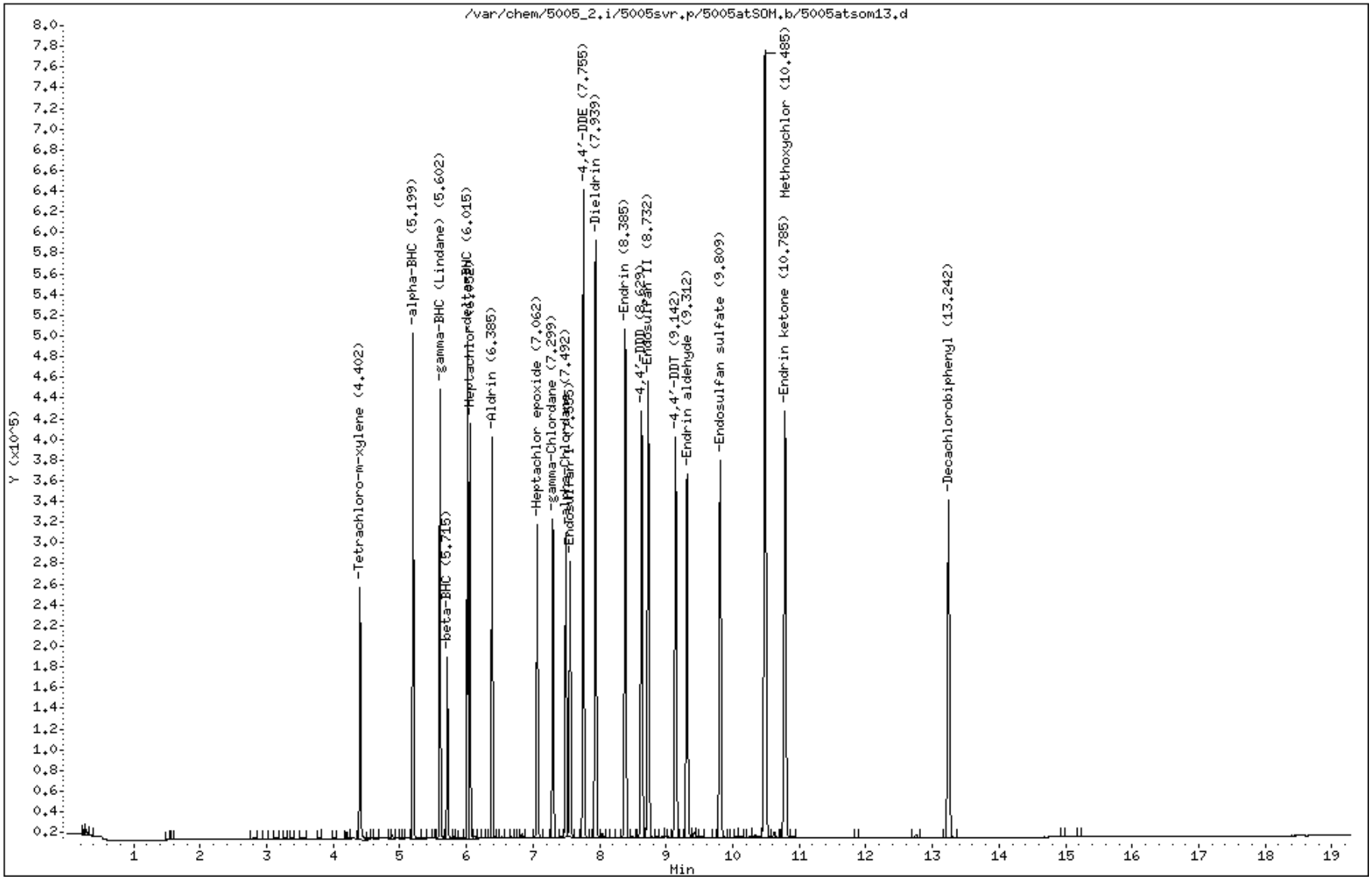
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	249506	0.02000	0.02020	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.789	5.789	0.000	465146	0.02000	0.02194	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.162	6.160	0.002	405435	0.02000	0.02026	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.265	6.264	0.001	154978	0.02000	0.01994	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.475	6.477	-0.002	394997	0.02000	0.02043	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.735	6.734	0.001	332108	0.02000	0.01946	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.115	7.118	-0.003	343281	0.02000	0.02040	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.949	7.949	0.000	273779	0.02000	0.02034	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.132	8.130	0.002	281469	0.02000	0.02014	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.332	8.330	0.002	266831	0.02000	0.01996	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.455	8.454	0.001	589623	0.04000	0.04137	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.539	8.540	-0.001	242511	0.02000	0.02041	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.922	8.920	0.002	534370	0.04000	0.04180	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.305	9.308	-0.003	467368	0.04000	0.04139	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.435	9.438	-0.003	384004	0.04000	0.04084	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.692	9.691	0.001	399877	0.04000	0.04126	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.939	9.939	0.000	351547	0.04000	0.04089	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.465	10.464	0.001	322103	0.04000	0.04136	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.875	10.874	0.001	727765	0.20000	0.2027	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.282	11.281	0.001	350495	0.04000	0.04092	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.805	11.804	0.001	404223	0.04000	0.04090	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.799	13.798	0.001	337240	0.04000	0.04064	80.00- 120.00	100.00

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom13.d
Date : 25-AUG-2013 21:50
Client ID: INDC3D1
Sample Info: ICRTAV-525174,1,INDC3D1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom13.d
Lab Smp Id: ICRTAV-525174 Client Smp ID: INDC3D1
Inj Date : 25-AUG-2013 21:50
Operator : RRM Inst ID: 5005_2.i
Smp Info : ICRTAV-525174,1,INDC3D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 11:10 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:50 Cal File: 5005atsom13.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.402	4.402	0.000	243349	0.02000	0.02012	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.199	5.200	-0.001	488217	0.02000	0.02070	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.602	5.601	0.001	434520	0.02000	0.01997	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.715	5.715	0.000	175541	0.02000	0.02005	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.015	6.019	-0.004	480640	0.02000	0.02053	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.052	6.050	0.002	400860	0.02000	0.02058	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
6.385	6.389	-0.004	387999	0.02000	0.02057	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.062	7.061	0.001	301725	0.02000	0.02008	80.00- 120.00	100.00
9 gamma-Chlordane					CAS #: 5103-74-2		
7.299	7.300	-0.001	307115	0.02000	0.02018	80.00- 120.00	100.00
10 alpha-Chlordane					CAS #: 5103-71-9		
7.492	7.491	0.001	294692	0.02000	0.02035	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
7.755	7.759	-0.004	625932	0.04000	0.04080	80.00- 120.00	100.00
12 Endosulfan I					CAS #: 959-98-8		
7.555	7.559	-0.004	266879	0.02000	0.02036	80.00- 120.00	100.00
13 Dieldrin					CAS #: 60-57-1		
7.939	7.940	-0.001	576869	0.04000	0.04127	80.00- 120.00	100.00
14 Endrin					CAS #: 72-20-8		
8.385	8.386	-0.001	491499	0.04000	0.04170	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
8.629	8.630	-0.001	412490	0.04000	0.04013	80.00- 120.00	100.00
16 Endosulfan II					CAS #: 33213-65-9		
8.732	8.730	0.002	441175	0.04000	0.04126	80.00- 120.00	100.00
17 4,4'-DDT					CAS #: 50-29-3		
9.142	9.141	0.001	386549	0.04000	0.04146	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
9.312	9.311	0.001	351706	0.04000	0.04150	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
10.485	10.485	0.000	760642	0.20000	0.2045	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
9.809	9.810	-0.001	364694	0.04000	0.04078	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
10.785	10.785	0.000	411865	0.04000	0.04074	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.242	13.241	0.001	326678	0.04000	0.04053	80.00- 120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom14.d

Date : 25-AUG-2013 22:12

Client ID: INDC4D1

Instrument: 5005_1.i

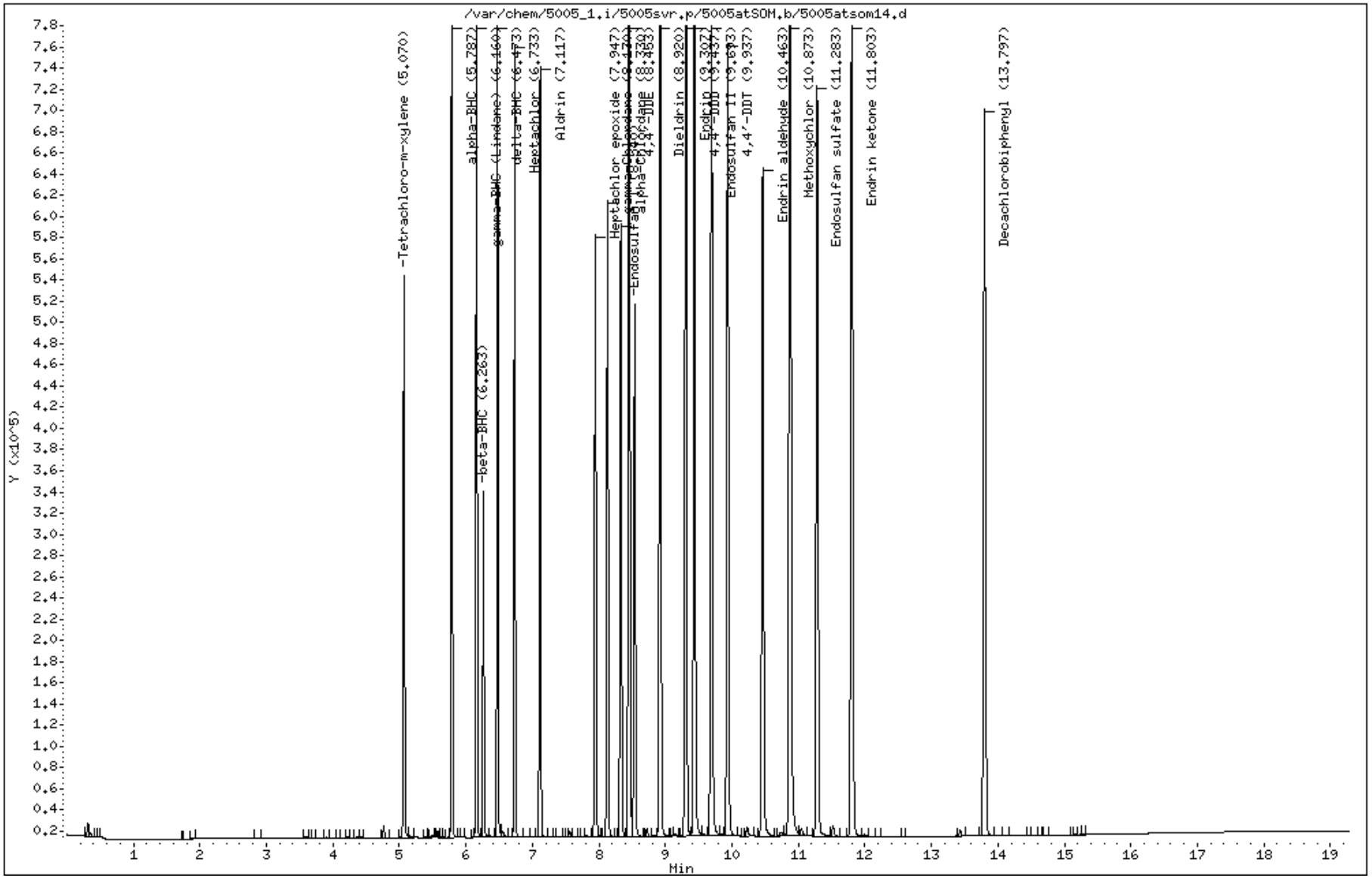
Sample Info: IC-525173,1,INDC4D1

Volume Injected (uL): 1.0

Operator: RRM

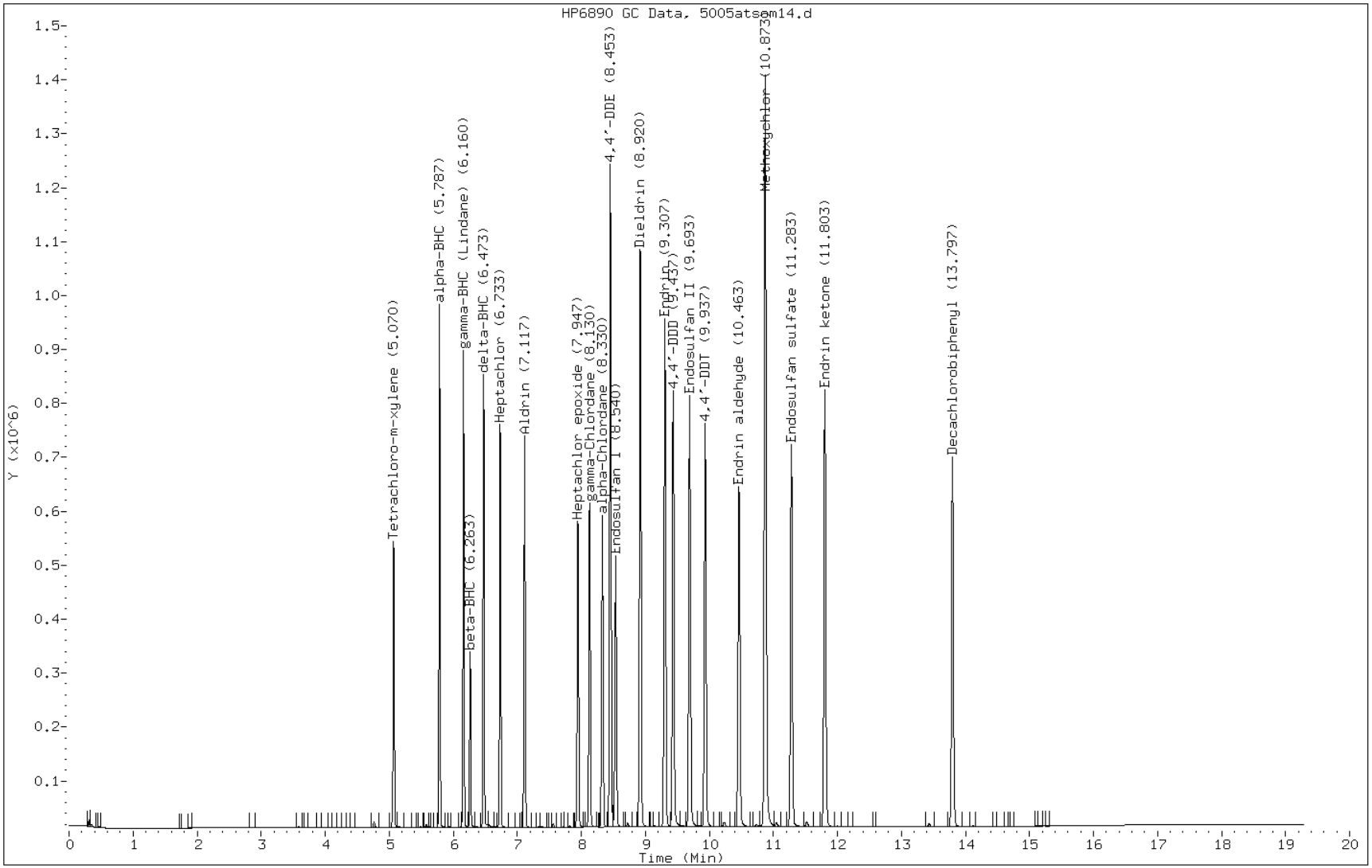
Column phase: RTX-CLP

Column diameter: 0.32



Data File: 5005atsom14.d
Client ID: INDC4D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525173,1,INDC4D1

Date: 25-AUG-2013 22:12
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom14.d
Lab Smp Id: IC-525173 Client Smp ID: INDC4D1
Inj Date : 25-AUG-2013 22:12
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525173,1,INDC4D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

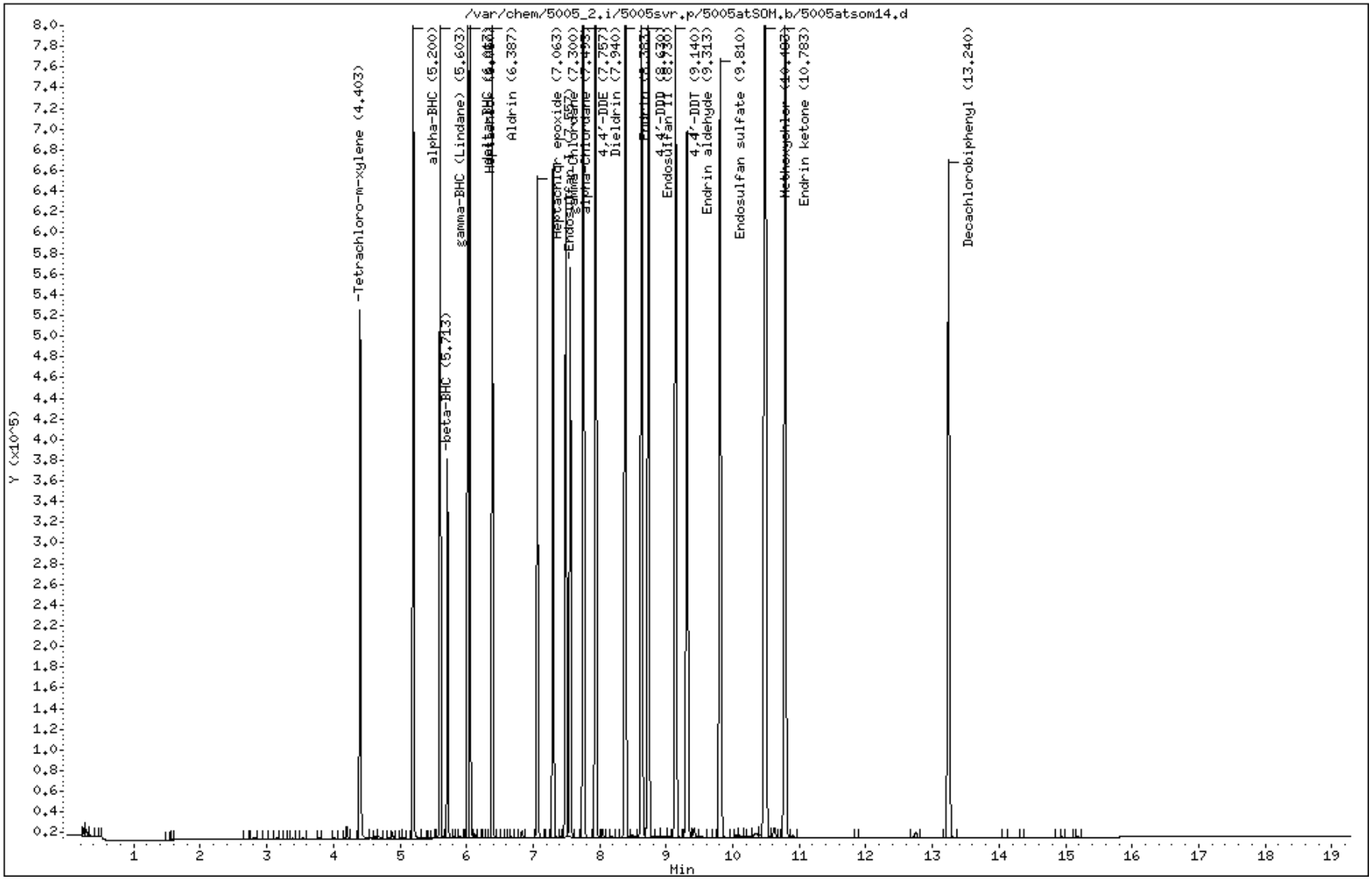
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	530531	0.04000	0.04294	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.787	5.789	-0.002	969029	0.04000	0.04571	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	883738	0.04000	0.04415	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.263	6.264	-0.001	325839	0.04000	0.04193	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.473	6.477	-0.004	839768	0.04000	0.04343	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.733	6.734	-0.001	747594	0.04000	0.04381	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.117	7.118	-0.001	726611	0.04000	0.04317	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.947	7.949	-0.002	567927	0.04000	0.04220	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.130	8.130	0.000	600117	0.04000	0.04293	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.330	8.330	0.000	577876	0.04000	0.04324	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.453	8.454	-0.001	1229324	0.08000	0.08626	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.540	8.540	0.000	502111	0.04000	0.04226	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
8.920	8.920	0.000	1070790	0.08000	0.08376	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.307	9.308	-0.001	942404	0.08000	0.08346	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.437	9.438	-0.001	808016	0.08000	0.08593	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
9.693	9.691	0.002	798755	0.08000	0.08241	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.937	9.939	-0.002	747938	0.08000	0.08699	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.463	10.464	-0.001	631021	0.08000	0.08103	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.873	10.874	-0.001	1394313	0.40000	0.3884	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.283	11.281	0.002	707802	0.08000	0.08263	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.803	11.804	-0.001	810006	0.08000	0.08196	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.797	13.798	-0.001	685278	0.08000	0.08258	80.00- 120.00	100.00

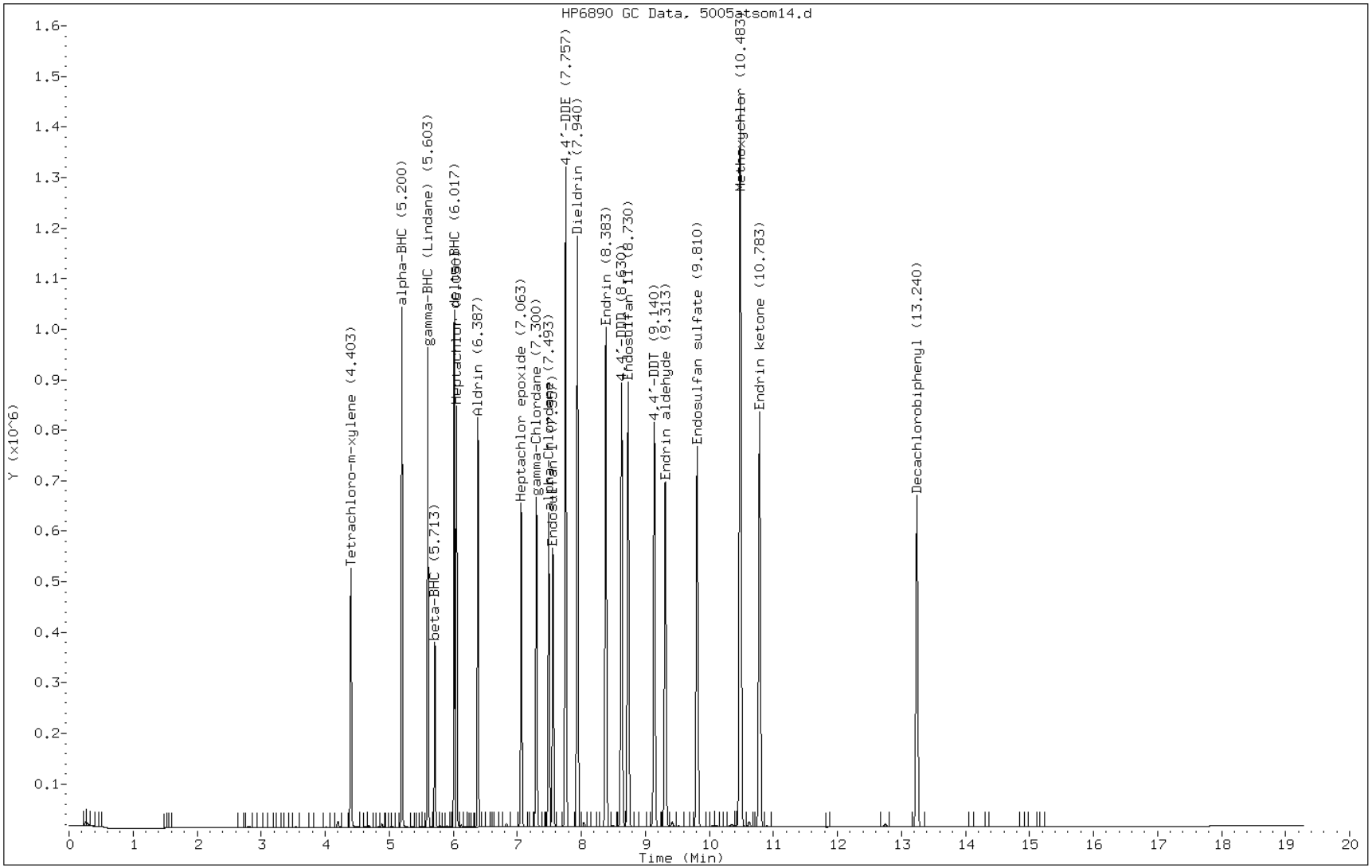
Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom14.d
Date : 25-AUG-2013 22:12
Client ID: INDC4D1
Sample Info: IC-525173,1,INDC4D1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom14.d
Client ID: INDC4D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525173,1,INDC4D1

Date: 25-AUG-2013 22:12
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom14.d
Lab Smp Id: IC-525173 Client Smp ID: INDC4D1
Inj Date : 25-AUG-2013 22:12
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525173,1,INDC4D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:12 Cal File: 5005atsom14.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

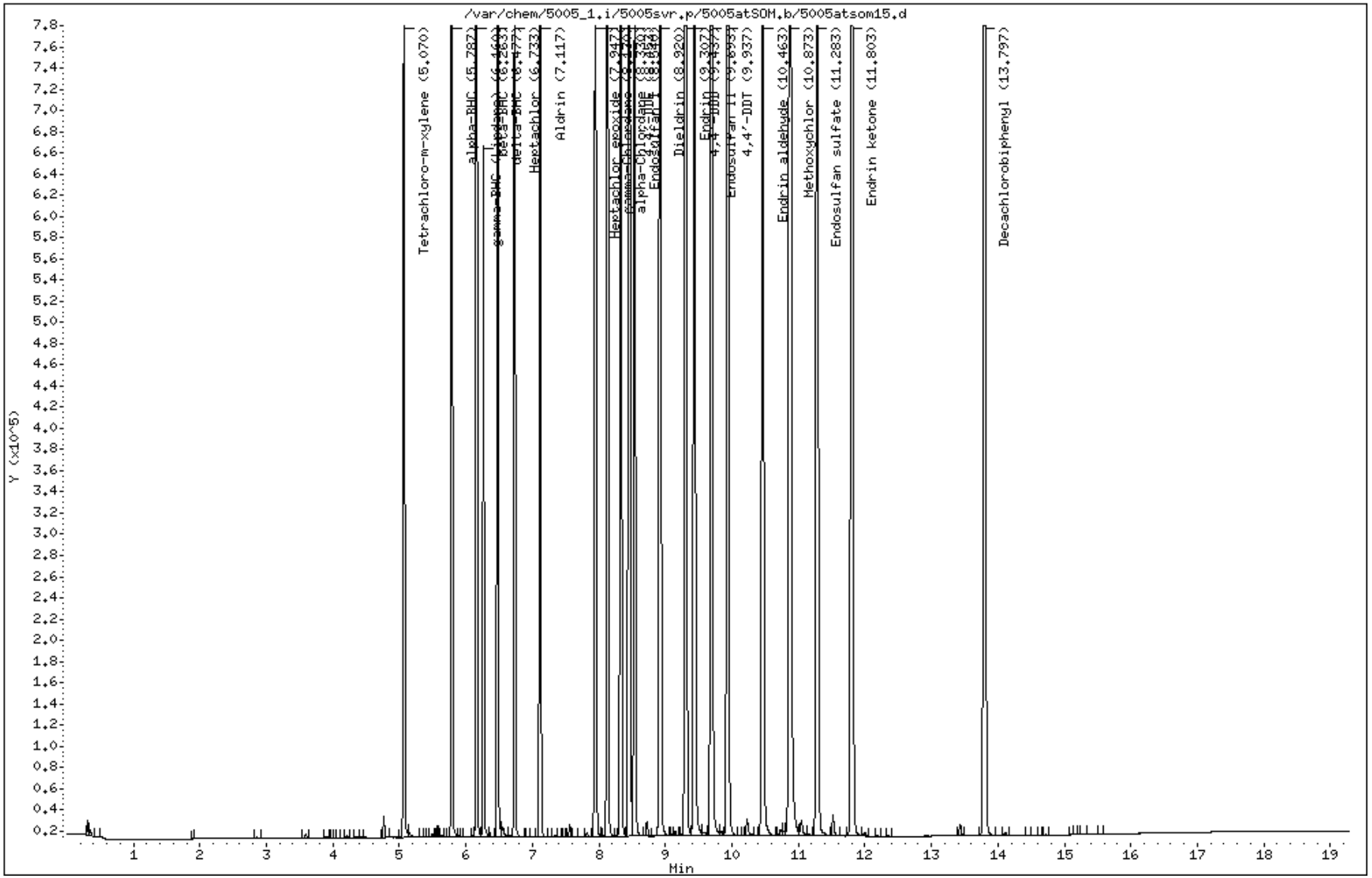
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.403	4.402	0.001	511518	0.04000	0.04230	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.200	5.200	0.000	1028199	0.04000	0.04360	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.603	5.601	0.002	949493	0.04000	0.04364	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.713	5.715	-0.002	366581	0.04000	0.04187	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.017	6.019	-0.002	1022684	0.04000	0.04368	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.050	6.050	0.000	832965	0.04000	0.04275	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
6.387	6.389	-0.002	809608	0.04000	0.04293	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.063	7.061	0.002	639961	0.04000	0.04258	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
7.300	7.300	0.000	651526	0.04000	0.04281	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
7.493	7.491	0.002	621497	0.04000	0.04292	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
7.757	7.759	-0.002	1304814	0.08000	0.08506	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
7.557	7.559	-0.002	550342	0.04000	0.04198	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
7.940	7.940	0.000	1168634	0.08000	0.08361	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
8.383	8.386	-0.003	987786	0.08000	0.08380	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
8.630	8.630	0.000	878025	0.08000	0.08543	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
8.730	8.730	0.000	879411	0.08000	0.08225	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.140	9.141	-0.001	801050	0.08000	0.08593	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
9.313	9.311	0.002	682984	0.08000	0.08059	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.483	10.485	-0.002	1446141	0.40000	0.3887	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
9.810	9.810	0.000	752180	0.08000	0.08411	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
10.783	10.785	-0.002	820484	0.08000	0.08115	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.240	13.241	-0.001	655847	0.08000	0.08137	80.00- 120.00	100.00

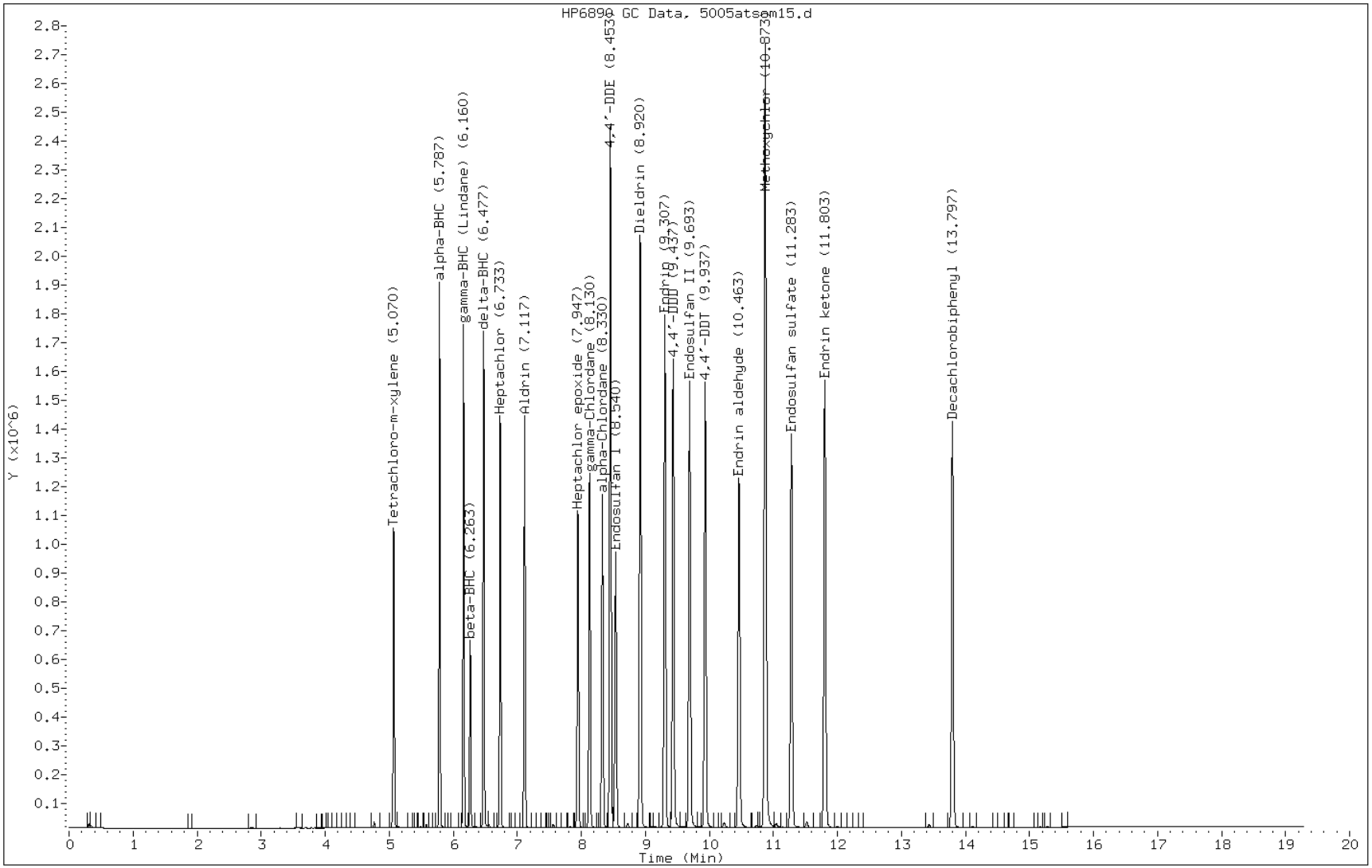
Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom15.d
Date : 25-AUG-2013 22:35
Client ID: INDC5D1
Sample Info: IC-525172,1,INDC5D1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom15.d
Client ID: INDC5D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525172,1,INDC5D1

Date: 25-AUG-2013 22:35
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom15.d
Lab Smp Id: IC-525172 Client Smp ID: INDC5D1
Inj Date : 25-AUG-2013 22:35
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525172,1,INDC5D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	1042154	0.08000	0.08436	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.787	5.789	-0.002	1895501	0.08000	0.08941	80.00- 120.00	100.00(A)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	1747124	0.08000	0.08729	80.00- 120.00	100.00(A)
4 beta-BHC					CAS #: 319-85-7		
6.263	6.264	-0.001	652589	0.08000	0.08397	80.00- 120.00	100.00(A)
5 delta-BHC					CAS #: 319-86-8		
6.477	6.477	0.000	1723597	0.08000	0.08914	80.00- 120.00	100.00(A)
6 Heptachlor					CAS #: 76-44-8		
6.733	6.734	-0.001	1430386	0.08000	0.08382	80.00- 120.00	100.00(A)
7 Aldrin					CAS #: 309-00-2		
7.117	7.118	-0.001	1431635	0.08000	0.08507	80.00- 120.00	100.00(A)

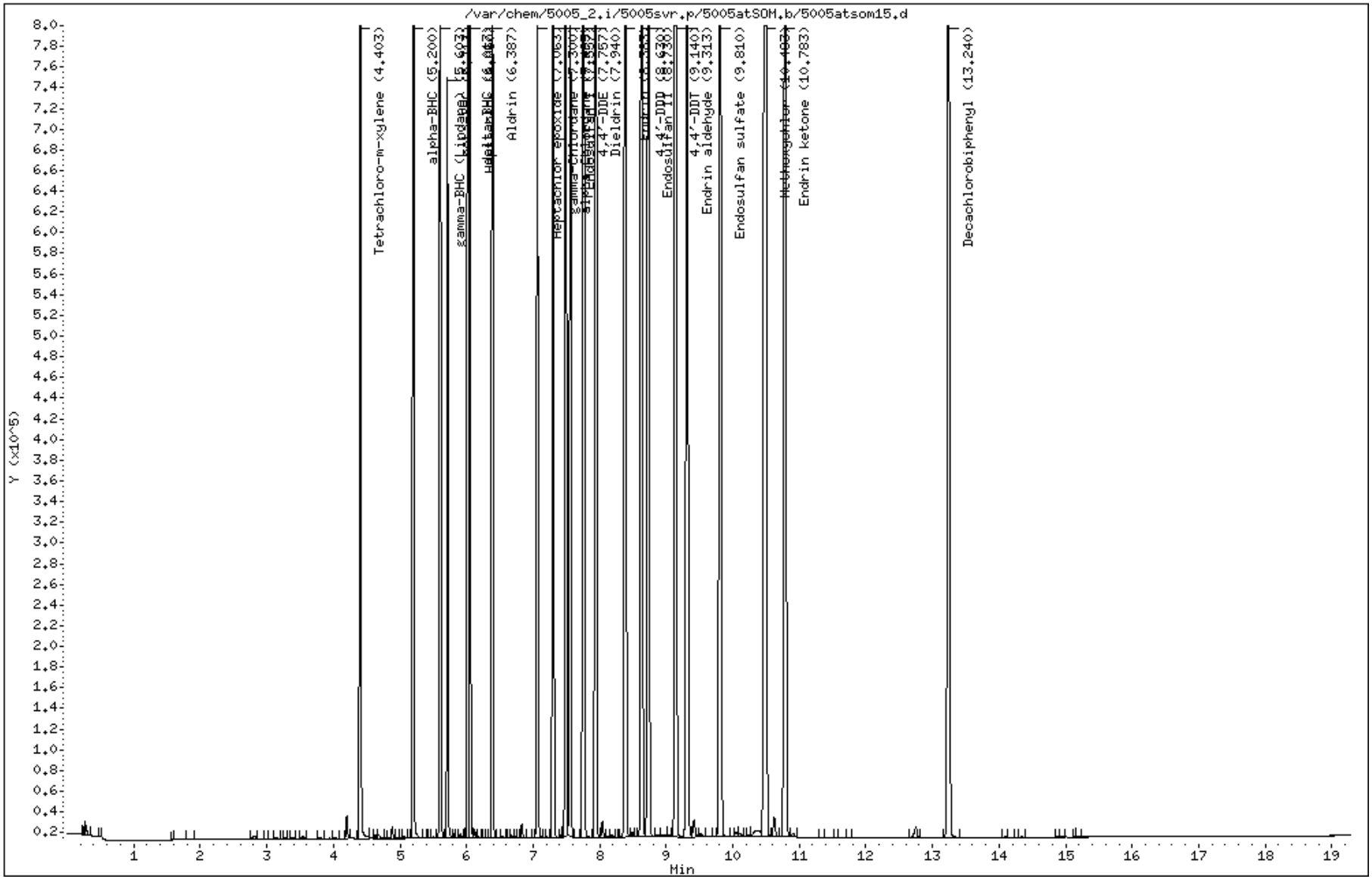
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.947	7.949	-0.002	1102680	0.08000	0.08193	80.00- 120.00	100.00(A)
9 gamma-Chlordane						CAS #: 5103-74-2	
8.130	8.130	0.000	1231477	0.08000	0.08810	80.00- 120.00	100.00(A)
10 alpha-Chlordane						CAS #: 5103-71-9	
8.330	8.330	0.000	1159144	0.08000	0.08673	80.00- 120.00	100.00(A)
11 4,4'-DDE						CAS #: 72-55-9	
8.453	8.454	-0.001	2435744	0.16000	0.1709	80.00- 120.00	100.00(A)
12 Endosulfan I						CAS #: 959-98-8	
8.540	8.540	0.000	958816	0.08000	0.08069	80.00- 120.00	100.00(A)
13 Dieldrin						CAS #: 60-57-1	
8.920	8.920	0.000	2055935	0.16000	0.1608	80.00- 120.00	100.00(A)
14 Endrin						CAS #: 72-20-8	
9.307	9.308	-0.001	1781807	0.16000	0.1578	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.437	9.438	-0.001	1626079	0.16000	0.1729	80.00- 120.00	100.00(A)
16 Endosulfan II						CAS #: 33213-65-9	
9.693	9.691	0.002	1551395	0.16000	0.1601	80.00- 120.00	100.00(A)
17 4,4'-DDT						CAS #: 50-29-3	
9.937	9.939	-0.002	1547218	0.16000	0.1799	80.00- 120.00	100.00(A)
18 Endrin aldehyde						CAS #: 7421-93-4	
10.463	10.464	-0.001	1212828	0.16000	0.1557	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.873	10.874	-0.001	2720536	0.80000	0.7578	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.283	11.281	0.002	1368488	0.16000	0.1598	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
11.803	11.804	-0.001	1555471	0.16000	0.1574	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.797	13.798	-0.001	1411260	0.16000	0.1701	80.00- 120.00	100.00

QC Flag Legend

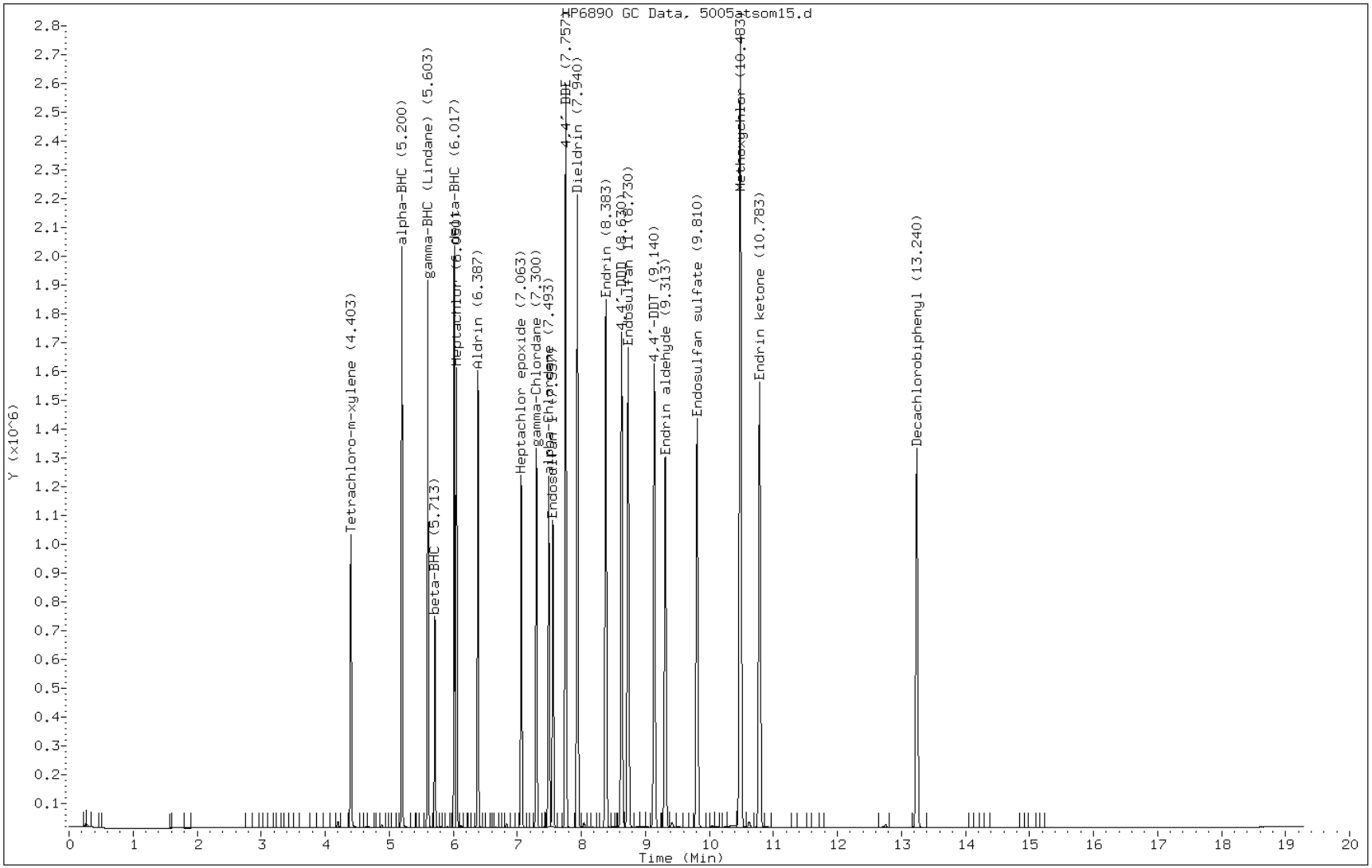
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom15.d
Date : 25-AUG-2013 22:35
Client ID: INDC5D1
Sample Info: IC-525172,1,INDC5D1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File:	5005atsom15.d	Date:	25-AUG-2013 22:35
Client ID:	INDC5D1	Instrument:	5005_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.3
Stationary Phase:	RTX-CLPII		
Sample Info:	IC-525172,1,INDC5D1		



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom15.d
Lab Smp Id: IC-525172 Client Smp ID: INDC5D1
Inj Date : 25-AUG-2013 22:35
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525172,1,INDC5D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

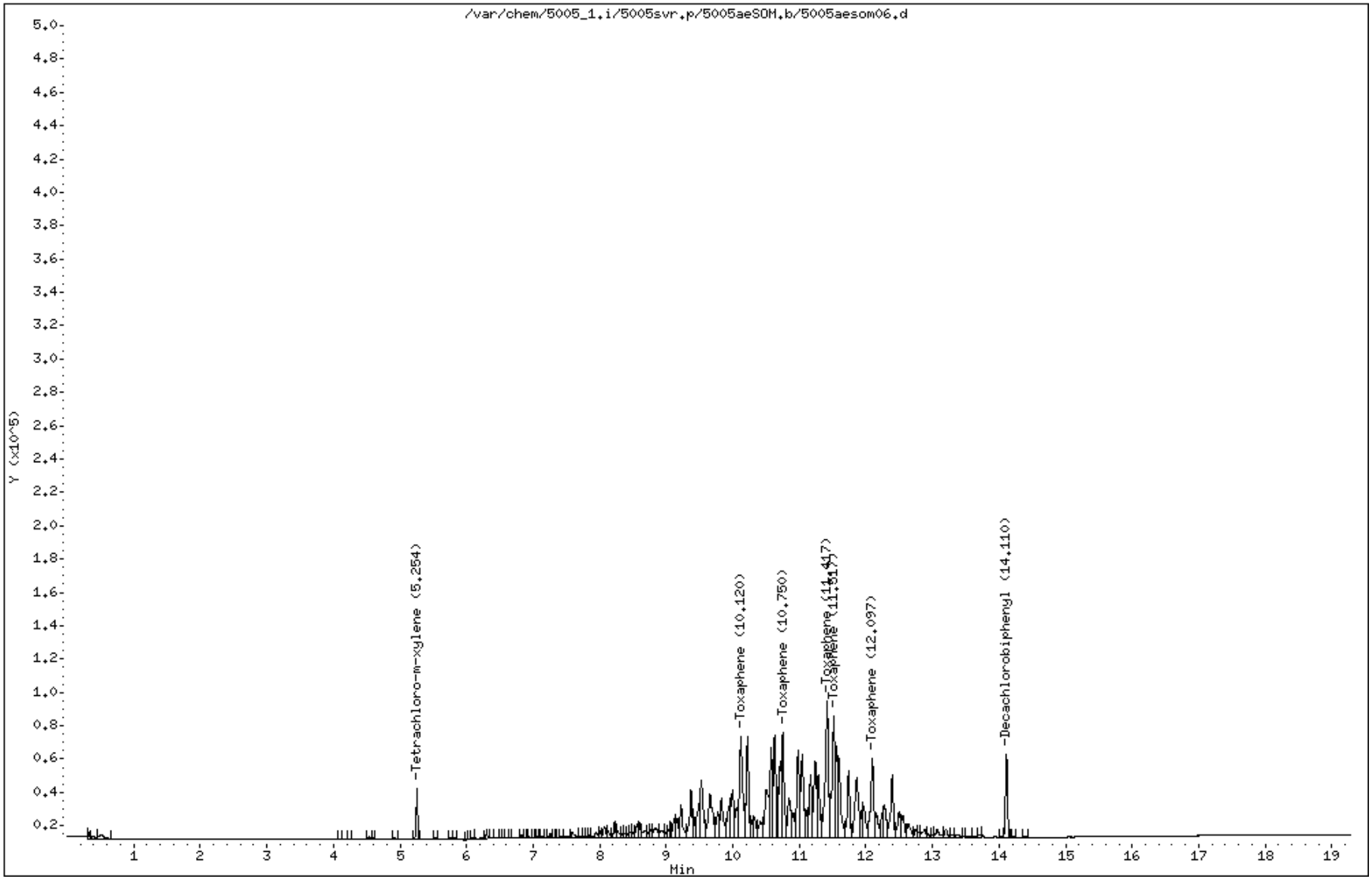
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.403	4.402	0.001	1019490	0.08000	0.08430	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.200	5.200	0.000	2019538	0.08000	0.08563	80.00- 120.00	100.00(A)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.603	5.601	0.002	1900226	0.08000	0.08734	80.00- 120.00	100.00(A)
4 beta-BHC					CAS #: 319-85-7		
5.713	5.715	-0.002	734687	0.08000	0.08392	80.00- 120.00	100.00(A)
5 delta-BHC					CAS #: 319-86-8		
6.017	6.019	-0.002	2022662	0.08000	0.08639	80.00- 120.00	100.00(A)
6 Heptachlor					CAS #: 76-44-8		
6.050	6.050	0.000	1597603	0.08000	0.08200	80.00- 120.00	100.00(A)
7 Aldrin					CAS #: 309-00-2		
6.387	6.389	-0.002	1588117	0.08000	0.08421	80.00- 120.00	100.00(A)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
8 Heptachlor epoxide						CAS #: 1024-57-3	
7.063	7.061	0.002	1222212	0.08000	0.08132	80.00- 120.00	100.00(A)
9 gamma-Chlordane						CAS #: 5103-74-2	
7.300	7.300	0.000	1317964	0.08000	0.08659	80.00- 120.00	100.00(A)
10 alpha-Chlordane						CAS #: 5103-71-9	
7.493	7.491	0.002	1218730	0.08000	0.08417	80.00- 120.00	100.00(A)
11 4,4'-DDE						CAS #: 72-55-9	
7.757	7.759	-0.002	2581128	0.16000	0.1683	80.00- 120.00	100.00(A)
12 Endosulfan I						CAS #: 959-98-8	
7.557	7.559	-0.002	1064559	0.08000	0.08121	80.00- 120.00	100.00(A)
13 Dieldrin						CAS #: 60-57-1	
7.940	7.940	0.000	2199109	0.16000	0.1573	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
8.383	8.386	-0.003	1832876	0.16000	0.1555	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
8.630	8.630	0.000	1720211	0.16000	0.1674	80.00- 120.00	100.00(A)
16 Endosulfan II						CAS #: 33213-65-9	
8.730	8.730	0.000	1665985	0.16000	0.1558	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
9.140	9.141	-0.001	1608645	0.16000	0.1726	80.00- 120.00	100.00(A)
18 Endrin aldehyde						CAS #: 7421-93-4	
9.313	9.311	0.002	1287624	0.16000	0.1519	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
10.483	10.485	-0.002	2752792	0.80000	0.7399	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
9.810	9.810	0.000	1418762	0.16000	0.1586	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
10.783	10.785	-0.002	1548296	0.16000	0.1531	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.240	13.241	-0.001	1317055	0.16000	0.1634	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom06.d
Date : 05-MAR-2013 17:46
Client ID: TOXAPH1FA
Instrument: 5005_1.i
Sample Info: IC-444311,1,TOXAPH1FA
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



08/30/2013

TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom06.d
Lab Smp Id: IC-444311 Client Smp ID: TOXAPH1FA
Inj Date : 05-MAR-2013 17:46
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444311,1,TOXAPH1FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 22:21 Cal File: 5005aesom18.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
10.120	10.121	-0.001	60461	0.50000	0.4280	80.00- 120.00	100.00(aM)
10.750	10.751	-0.001	63026	0.50000	0.4274	60.52- 100.52	104.24
11.417	11.419	-0.002	82107	0.50000	0.4379	109.35- 149.35	135.80
11.517	11.519	-0.002	73072	0.50000	0.4166	83.28- 123.28	120.86
12.097	12.100	-0.003	47691	0.50000	0.4267	59.18- 99.18	78.88
Average of Peak Amounts =					0.427		
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.254	5.254	0.000	29734	0.00500	0.004510	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.110	14.111	-0.001	50045	0.01000	0.01013	80.00- 120.00	100.00

QC Flag Legend

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

QC Flag Legend

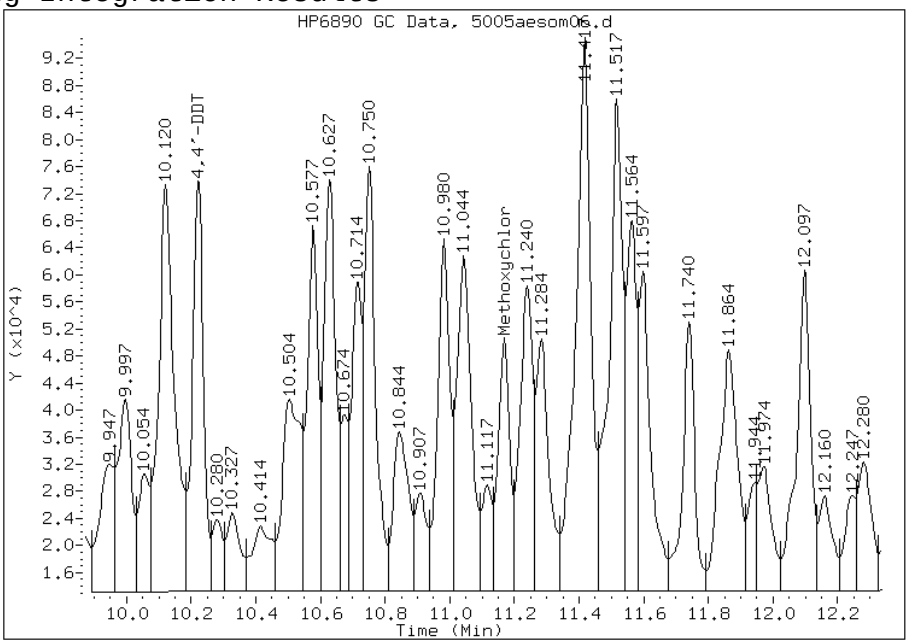
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom06.d
Lab Sample ID: IC-444311
Inj. Date and Time: 05-MAR-2013 17:46
Instrument ID: 5005_1.i
Client ID: TOXAPH1FA
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 03/07/2013

Processing Integration Results

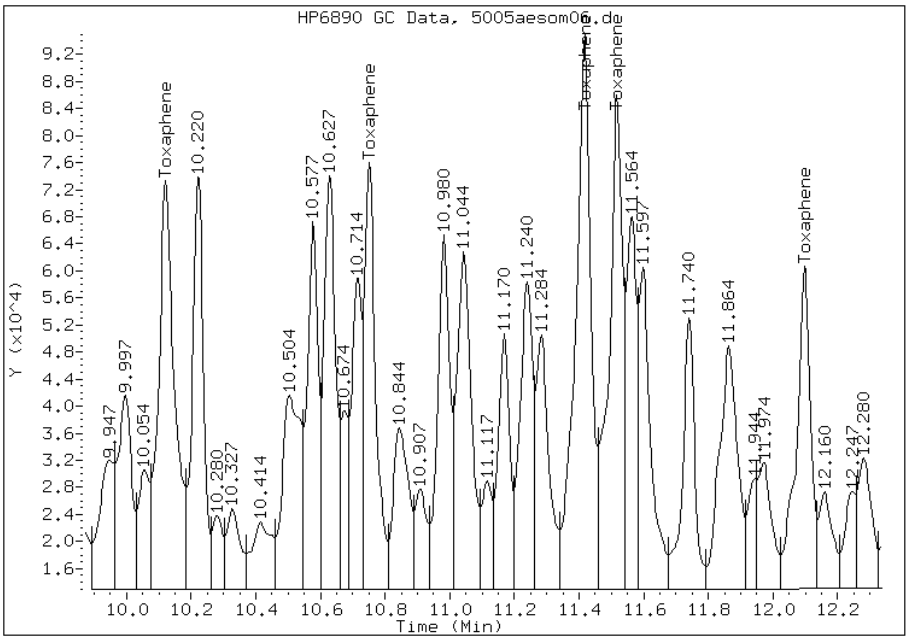
Not Detected



Manual Integration Results

RT	Response	Conc
10.12	60461*	0.43
10.75	63026*	0.43
11.42	82107*	0.44
11.52	73072*	0.42
12.10	47691*	0.43

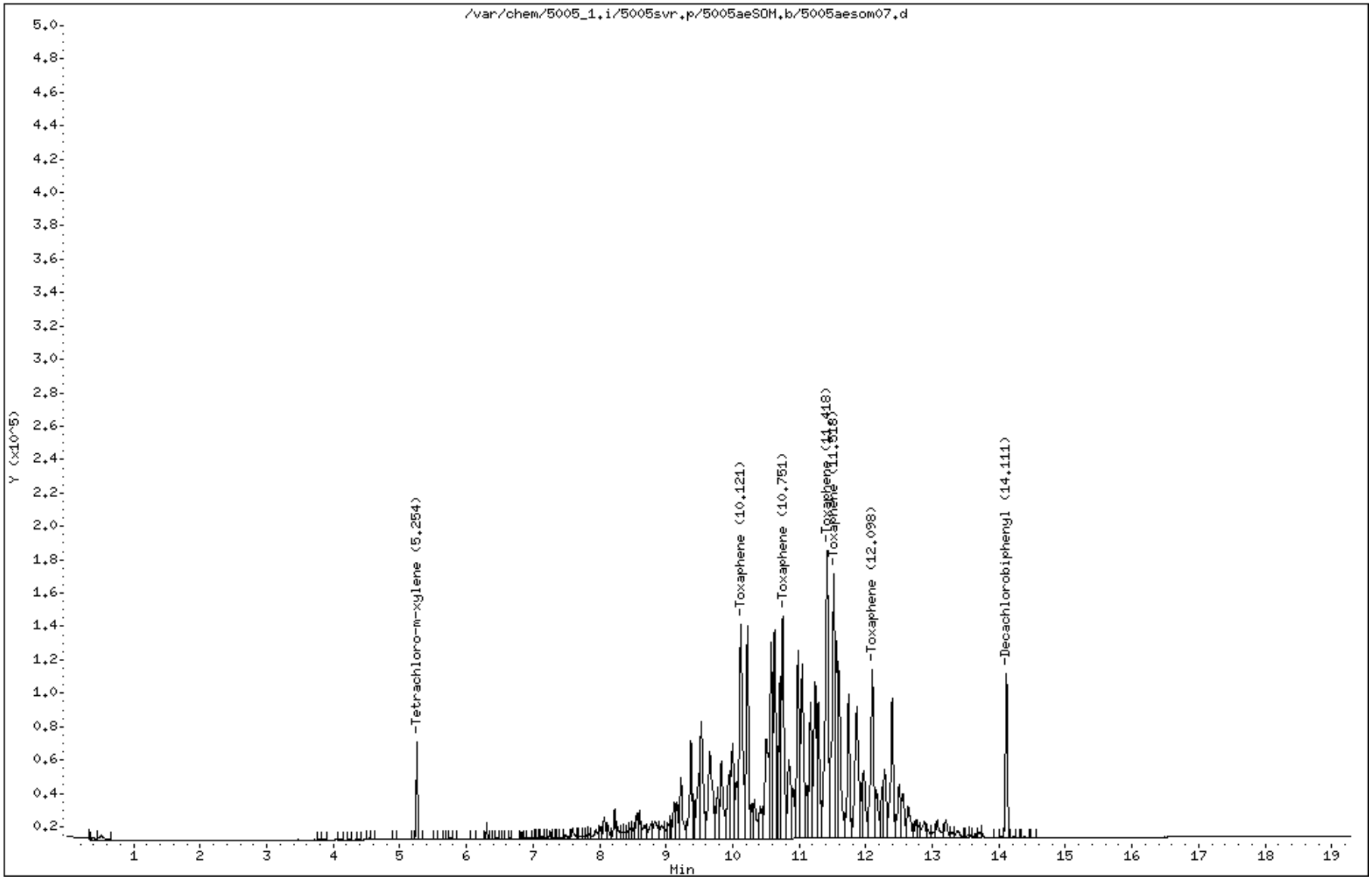
Final Conc		0.43



File Uploaded By: ktl
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom07.d
Date : 05-MAR-2013 18:09
Client ID: TOXAPH2FA
Sample Info: IC-444310,1,TOXAPH2FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom07.d
Lab Smp Id: IC-444310 Client Smp ID: TOXAPH2FA
Inj Date : 05-MAR-2013 18:09
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444310,1,TOXAPH2FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:03 Cal File: 5005aesom12.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
10.121	10.121	0.000	128069	1.00000	0.9066	80.00- 120.00	100.00(M)
10.751	10.751	0.000	132897	1.00000	0.9013	60.52- 100.52	103.77
11.418	11.419	-0.001	172524	1.00000	0.9202	109.35- 149.35	134.71
11.518	11.519	-0.001	158864	1.00000	0.9058	83.28- 123.28	124.05
12.098	12.100	-0.002	101354	1.00000	0.9068	59.18- 99.18	79.14
Average of Peak Amounts =					0.908		
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.254	5.254	0.000	58469	0.01000	0.008868	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.111	14.111	0.000	98678	0.02000	0.01997	80.00- 120.00	100.00

QC Flag Legend

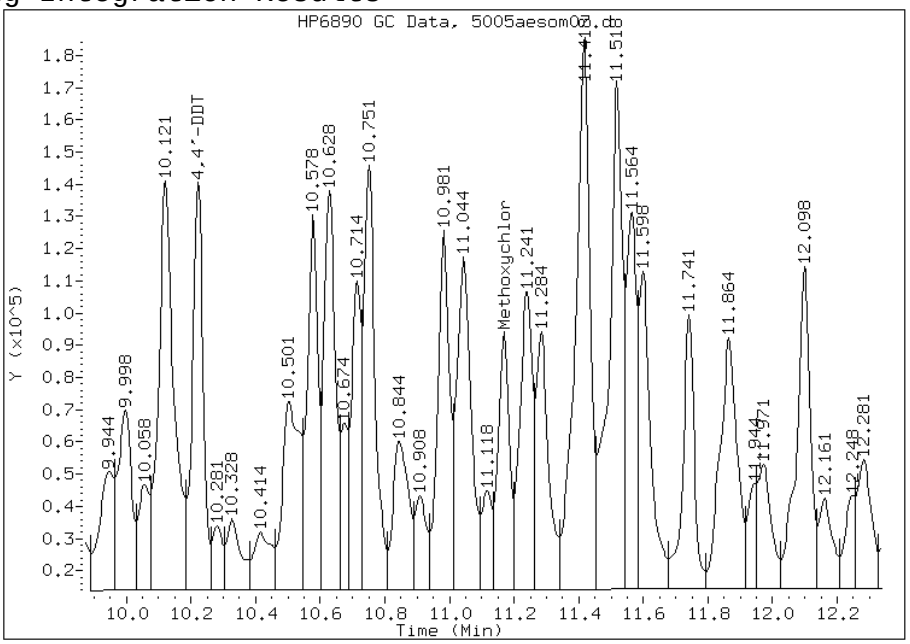
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom07.d
Lab Sample ID: IC-444310
Inj. Date and Time: 05-MAR-2013 18:09
Instrument ID: 5005_1.i
Client ID: TOXAPH2FA
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 03/07/2013

Processing Integration Results

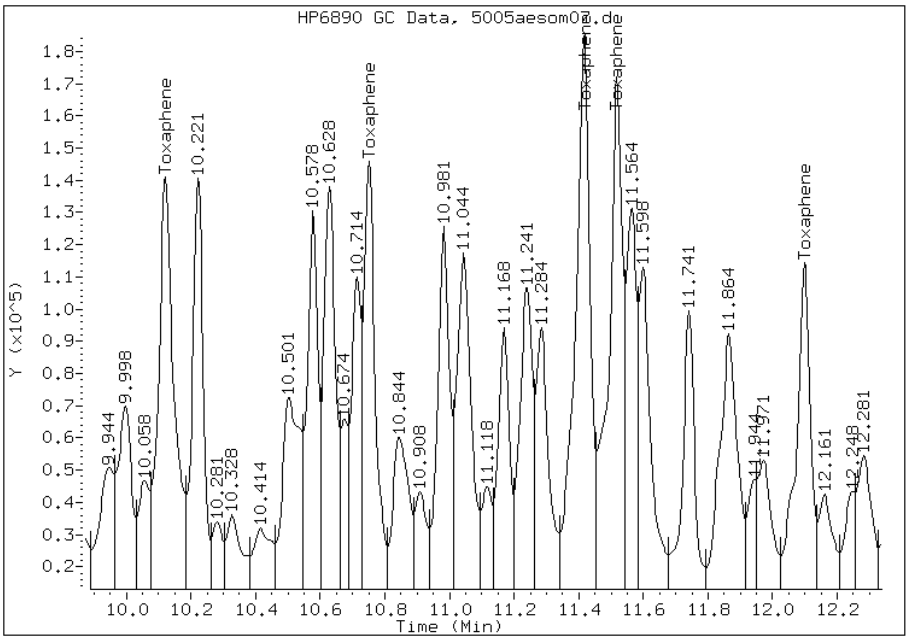
Not Detected



Manual Integration Results

RT	Response	Conc
10.12	128069*	0.91
10.75	132897*	0.90
11.42	172524*	0.92
11.52	158864*	0.91
12.10	101354*	0.91

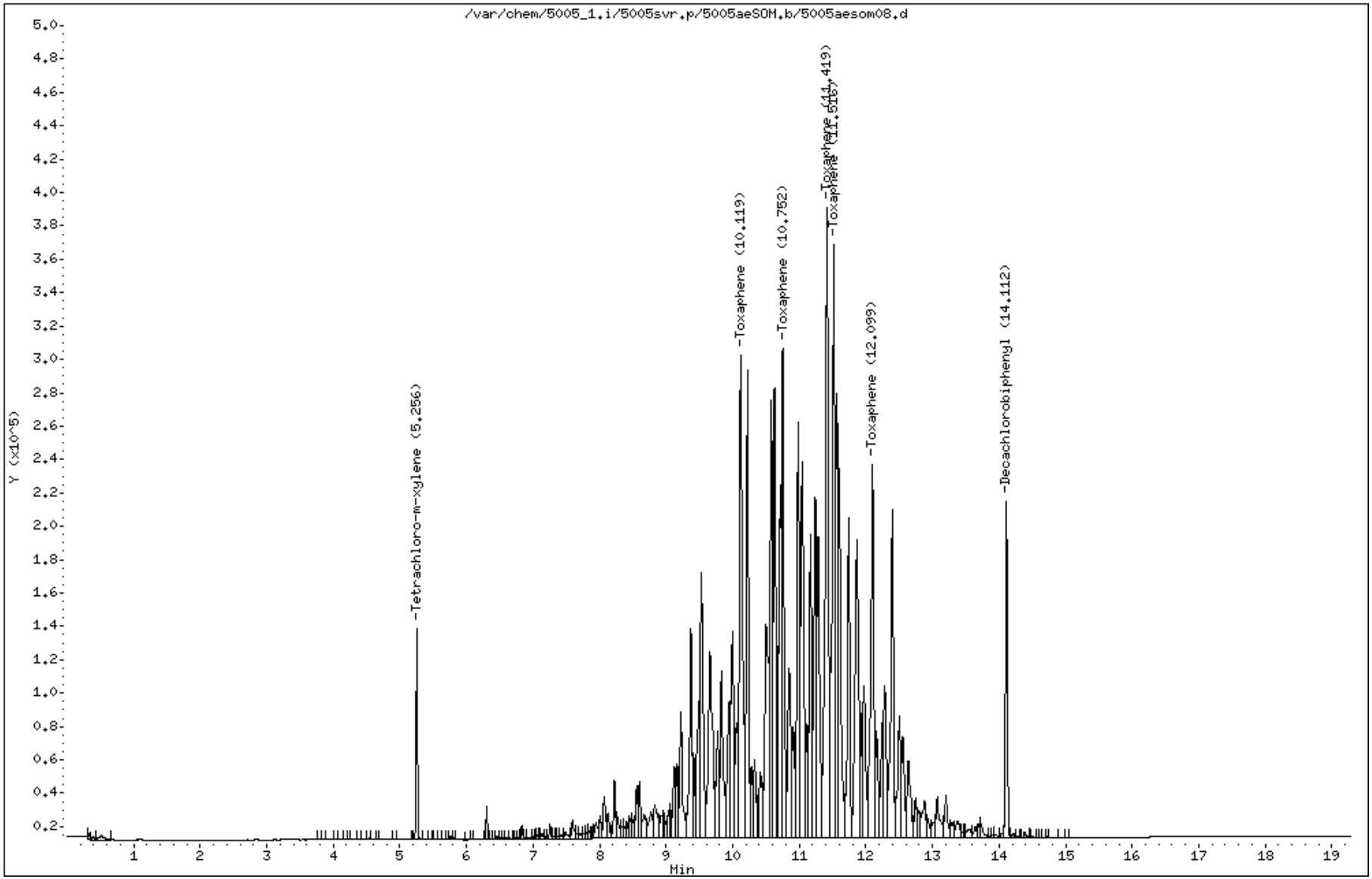
Final Conc		0.91



File Uploaded By: ktl
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom08.d
Date : 05-MAR-2013 18:32
Client ID: TOXAPH3FA
Sample Info: IC-444309,1,TOXAPH3FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom08.d
Lab Smp Id: IC-444309 Client Smp ID: TOXAPH3FA
Inj Date : 05-MAR-2013 18:32
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444309,1,TOXAPH3FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:55 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:26 Cal File: 5005aesom13.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
10.119	10.121	-0.002	289795	2.00000	2.052	80.00- 120.00	100.00(M)
10.752	10.751	0.001	293272	2.00000	1.989	60.52- 100.52	101.20
11.419	11.419	0.000	377624	2.00000	2.014	109.35- 149.35	130.31
11.516	11.519	-0.003	355647	2.00000	2.028	83.28- 123.28	122.72
12.099	12.100	-0.001	223609	2.00000	2.001	59.18- 99.18	77.16
Average of Peak Amounts =					2.02		
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.256	5.254	0.002	126125	0.02000	0.01913	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.112	14.111	0.001	201840	0.04000	0.04084	80.00- 120.00	100.00(M)

QC Flag Legend

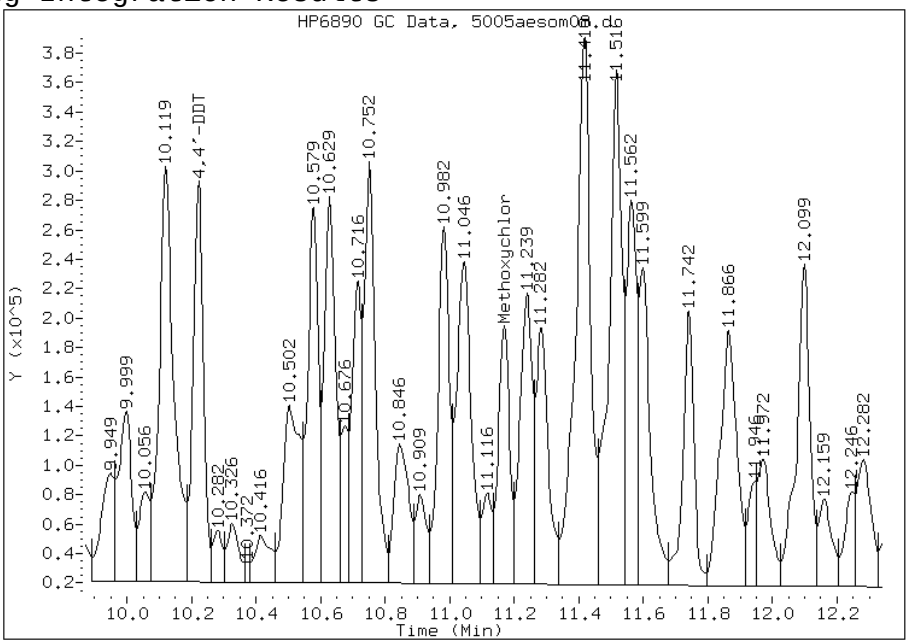
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom08.d
Lab Sample ID: IC-444309
Inj. Date and Time: 05-MAR-2013 18:32
Instrument ID: 5005_1.i
Client ID: TOXAPH3FA
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 03/07/2013

Processing Integration Results

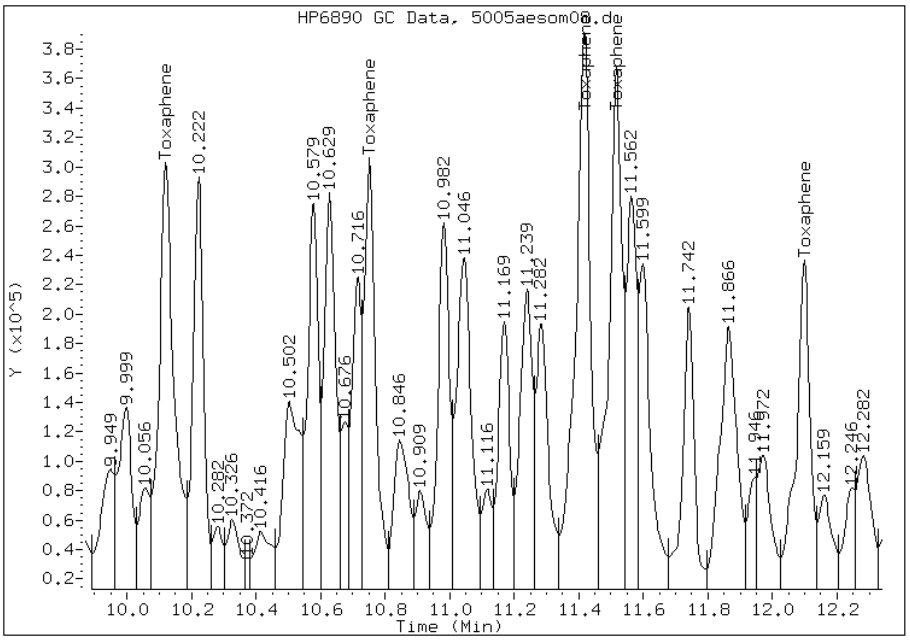
Not Detected



Manual Integration Results

RT	Response	Conc
10.12	289795*	2.05
10.75	293272*	1.99
11.42	377624*	2.01
11.52	355647*	2.03
12.10	223609*	2.00

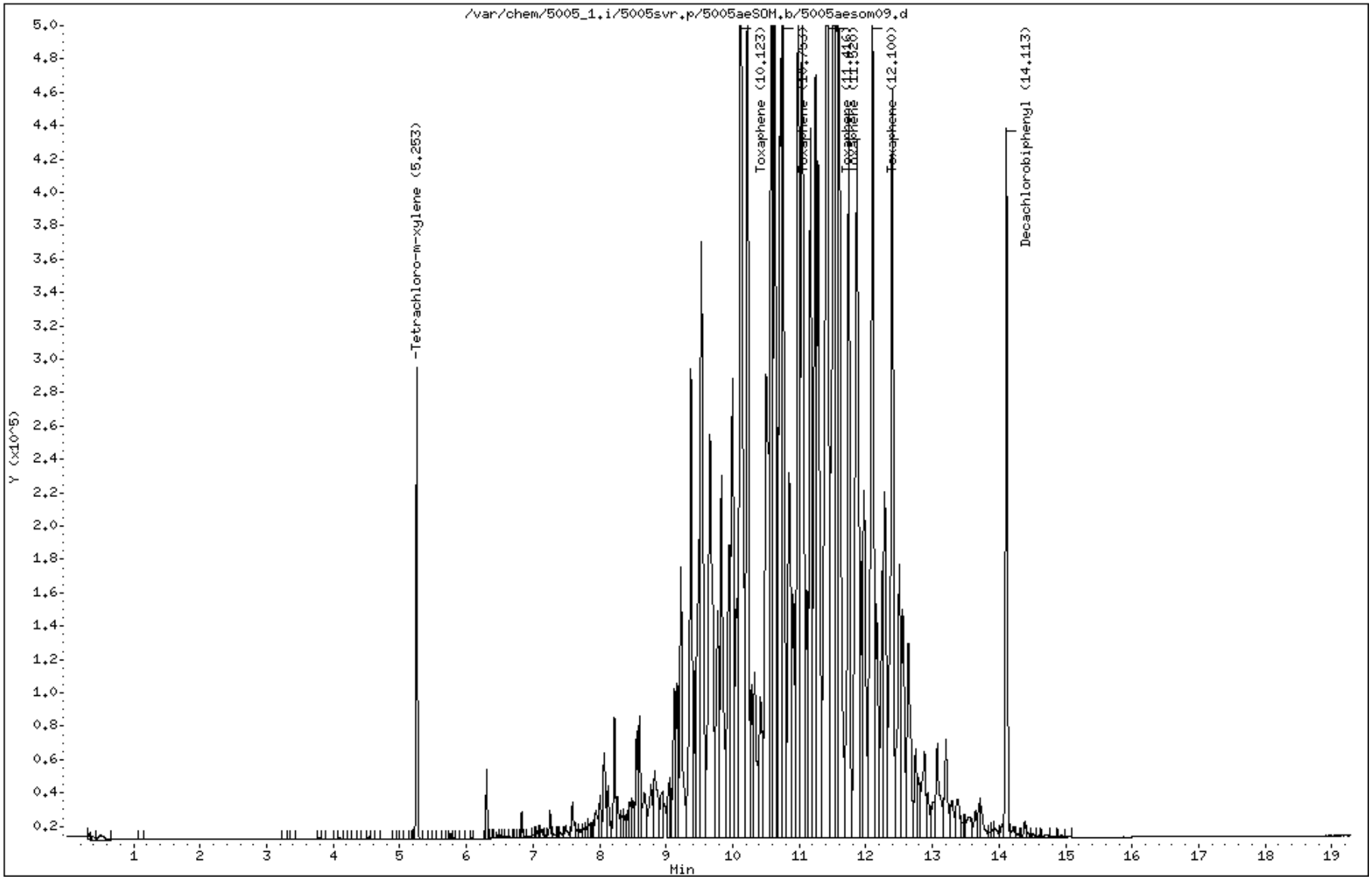
Final Conc		2.02



File Uploaded By: ktl
Manual Integration Reason: Baseline event

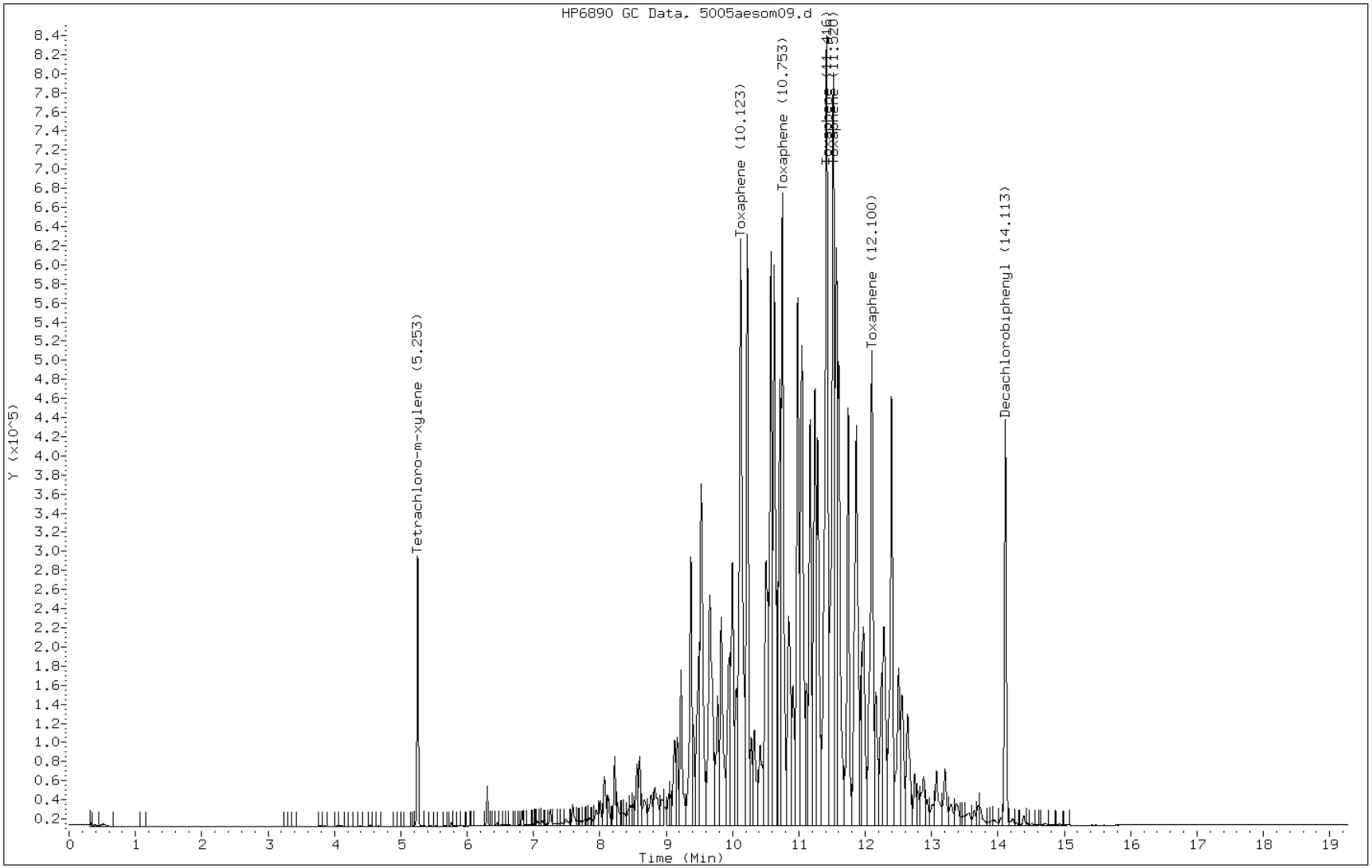
Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom09.d
Date : 05-MAR-2013 18:55
Client ID: TOXAPH4FA
Sample Info: IC-444307,1,TOXAPH4FA
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



Data File: 5005aesom09.d
Client ID: TOXAPH4FA
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-444307,1,TOXAPH4FA

Date: 05-MAR-2013 18:55
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom09.d
Lab Smp Id: IC-444307 Client Smp ID: TOXAPH4FA
Inj Date : 05-MAR-2013 18:55
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444307,1,TOXAPH4FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 20:49 Cal File: 5005aesom14.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
10.123	10.121	0.002	613983	4.00000	4.347	80.00- 120.00	100.00(M)
10.753	10.751	0.002	661797	4.00000	4.488	60.52- 100.52	107.79
11.416	11.419	-0.003	826738	4.00000	4.409	109.35- 149.35	134.65
11.520	11.519	0.001	787269	4.00000	4.489	83.28- 123.28	128.22
12.100	12.100	0.000	496964	4.00000	4.446	59.18- 99.18	80.94
Average of Peak Amounts =					4.44		
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.253	5.254	-0.001	282943	0.04000	0.04291	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.113	14.111	0.002	424770	0.08000	0.08595	80.00- 120.00	100.00(M)

QC Flag Legend

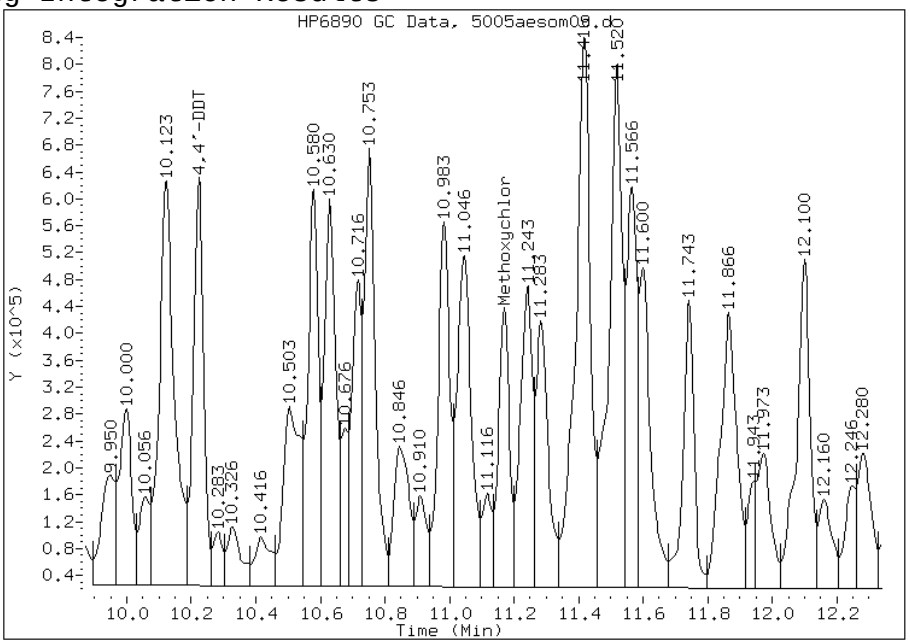
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom09.d
Lab Sample ID: IC-444307
Inj. Date and Time: 05-MAR-2013 18:55
Instrument ID: 5005_1.i
Client ID: TOXAPH4FA
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 03/07/2013

Processing Integration Results

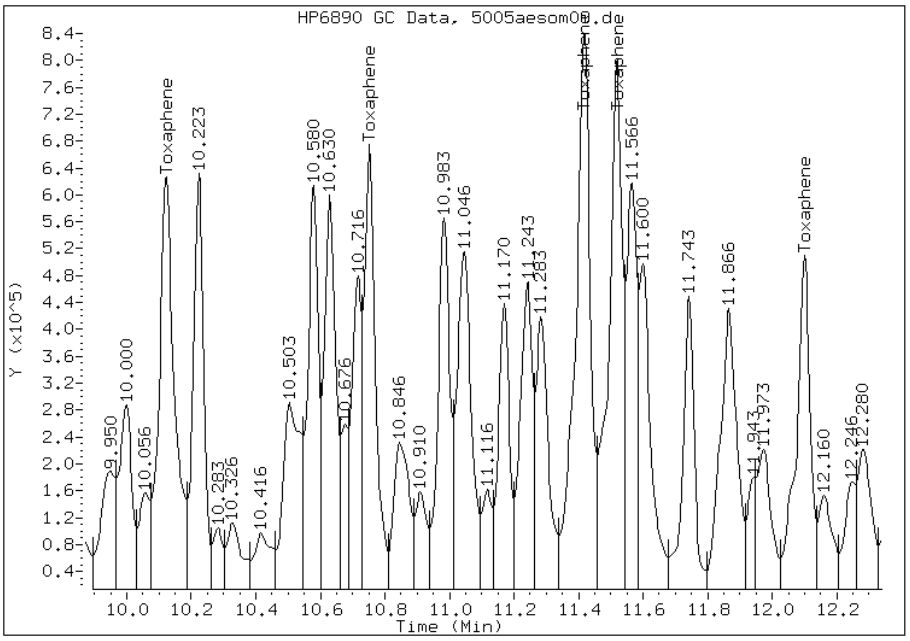
Not Detected



Manual Integration Results

RT	Response	Conc
10.12	613983*	4.35
10.75	661797*	4.49
11.42	826738*	4.41
11.52	787269*	4.49
12.10	496964*	4.45

Final Conc		4.44



File Uploaded By: ktl
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom10.d

Date : 05-MAR-2013 19:18

Client ID: TOXAPH5FA

Instrument: 5005_1.i

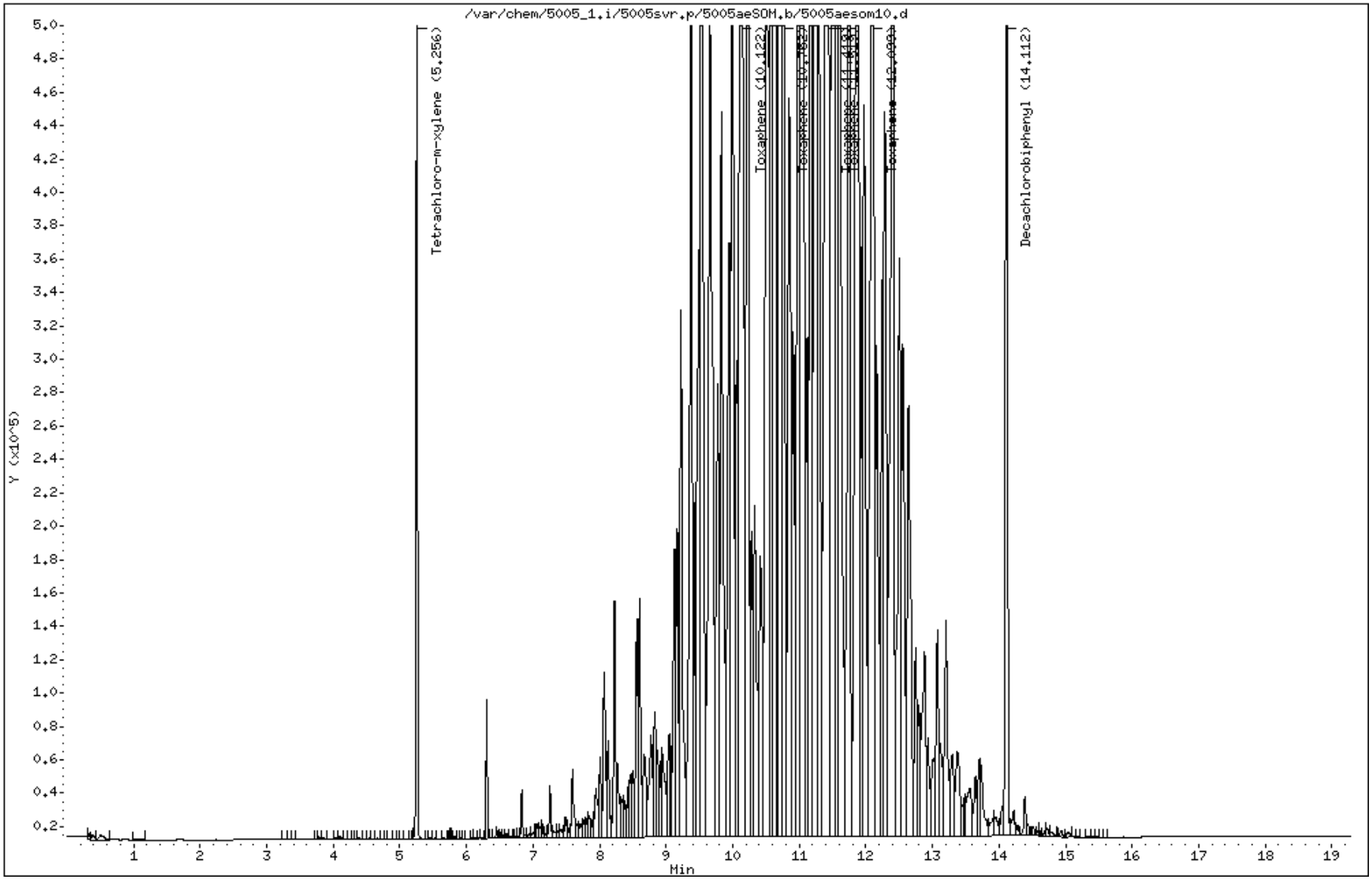
Sample Info: IC-444306,1,TOXAPH5FA

Volume Injected (uL): 1.0

Operator: KTL

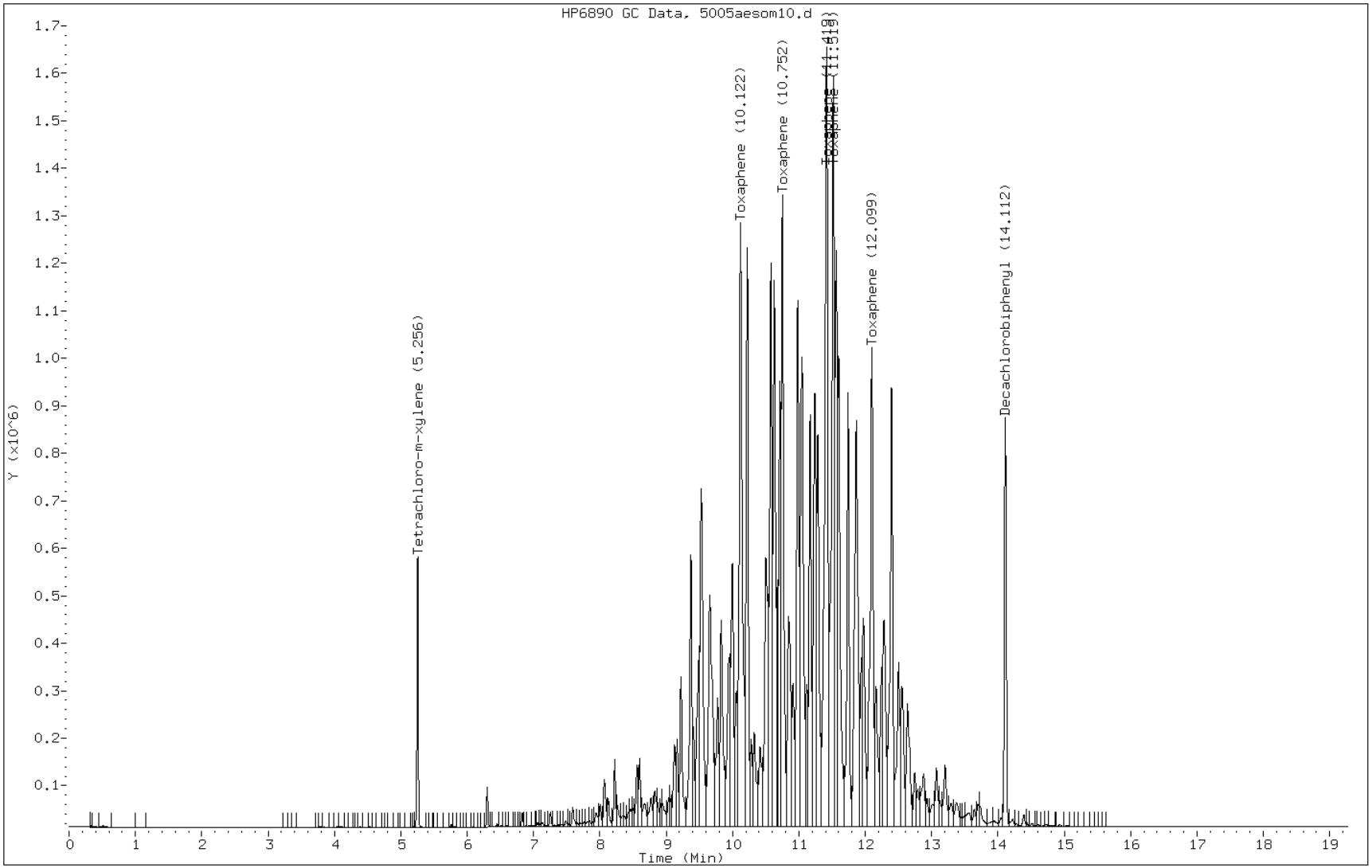
Column phase: RTX-CLP

Column diameter: 0.32



Data File: 5005aesom10.d
Client ID: TOXAPH5FA
Operator: KTL
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-444306,1,TOXAPH5FA

Date: 05-MAR-2013 19:18
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom10.d
Lab Smp Id: IC-444306 Client Smp ID: TOXAPH5FA
Inj Date : 05-MAR-2013 19:18
Operator : KTL Inst ID: 5005_1.i
Smp Info : IC-444306,1,TOXAPH5FA
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

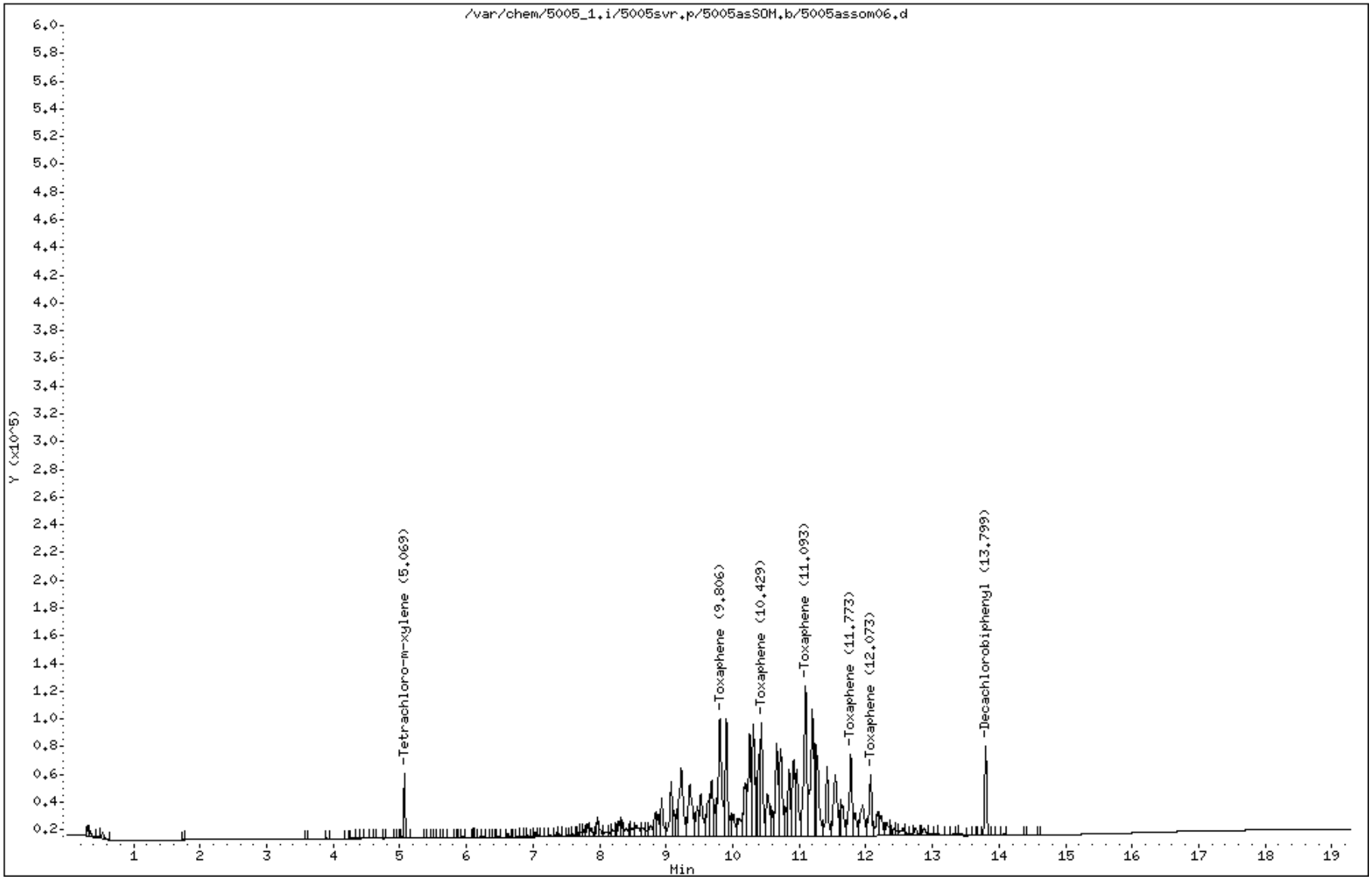
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
10.122	10.121	0.001	1271173	8.00000	8.999	80.00- 120.00	100.00(A)
10.752	10.751	0.001	1329601	8.00000	9.017	60.52- 100.52	104.60
11.419	11.419	0.000	1641735	8.00000	8.756	109.35- 149.35	129.15
11.519	11.519	0.000	1578361	8.00000	8.999	83.28- 123.28	124.17
12.099	12.100	-0.001	1008381	8.00000	9.022	59.18- 99.18	79.33
Average of Peak Amounts =					8.96		
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.256	5.254	0.002	570391	0.08000	0.08651	80.00- 120.00	100.00(A)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.112	14.111	0.001	859971	0.16000	0.1740	80.00- 120.00	100.00(A)

QC Flag Legend

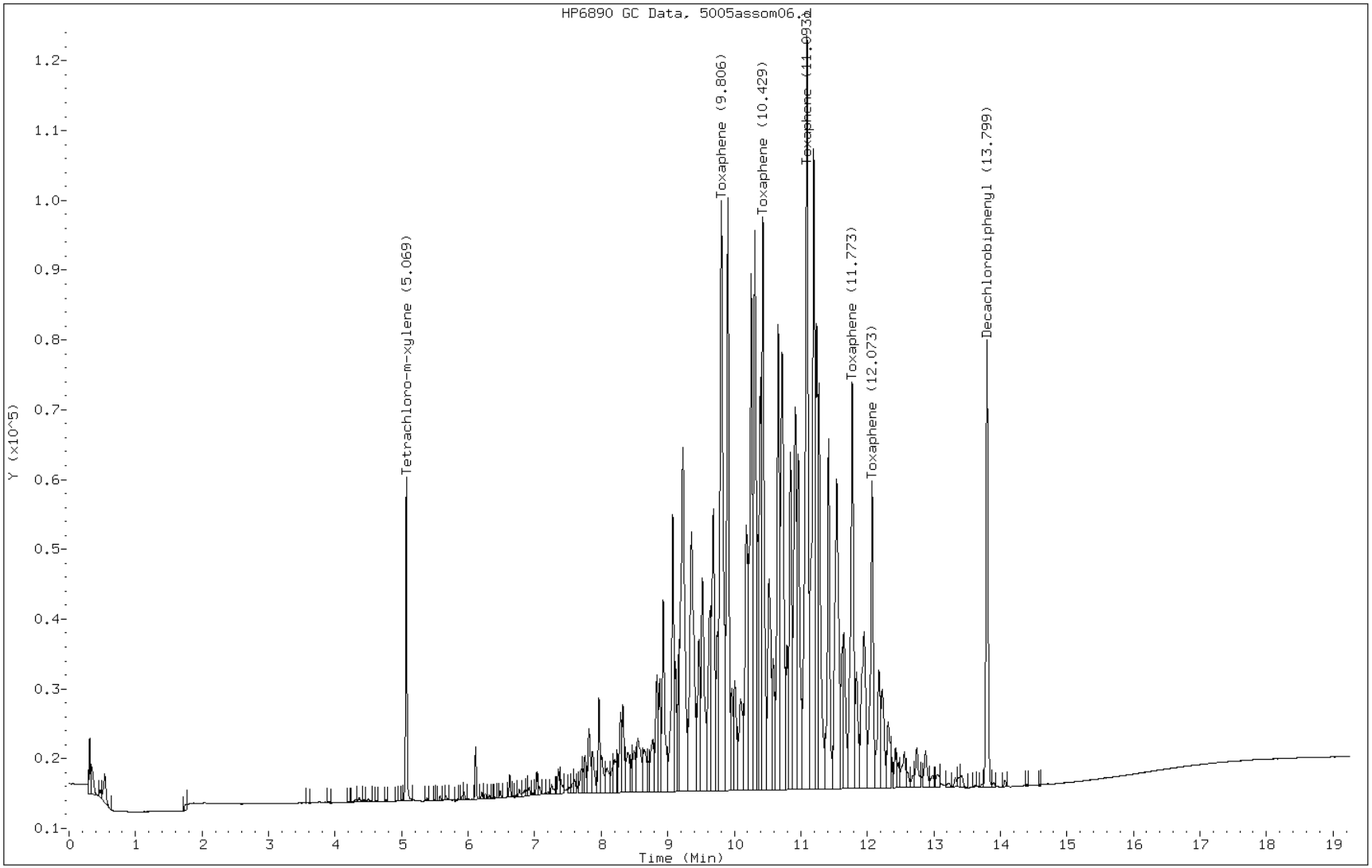
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom06.d
Date : 16-AUG-2013 19:23
Client ID: TOXAPH1A1
Instrument: 5005_1.i
Sample Info: IC-525171,1,TOXAPH1A1
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



Data File: 5005assom06.d
Client ID: TOXAPH1A1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525171,1,TOXAPH1A1

Date: 16-AUG-2013 19:23
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom06.d
Lab Smp Id: IC-525171 Client Smp ID: TOXAPH1A1
Inj Date : 16-AUG-2013 19:23
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525171,1,TOXAPH1A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
23 Toxaphene						CAS #: 8001-35-2		
9.806	9.805	0.001	84519	0.50000	0.4550	80.00- 120.00		100.00(aM)
10.429	10.429	0.000	82076	0.50000	0.4512	60.52- 100.52		97.11
11.093	11.091	0.002	108057	0.50000	0.4619	109.35- 149.35		127.85
11.773	11.771	0.002	58278	0.50000	0.4448	83.28- 123.28		68.95
12.073	12.071	0.002	43967	0.50000	0.4018	59.18- 99.18		52.02
Average of Peak Amounts =					0.4429			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.069	5.070	-0.001	46387	0.00500	0.004650	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.799	13.798	0.001	64062	0.01000	0.009626	80.00- 120.00		100.00

QC Flag Legend

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

QC Flag Legend

M - Compound response manually integrated.

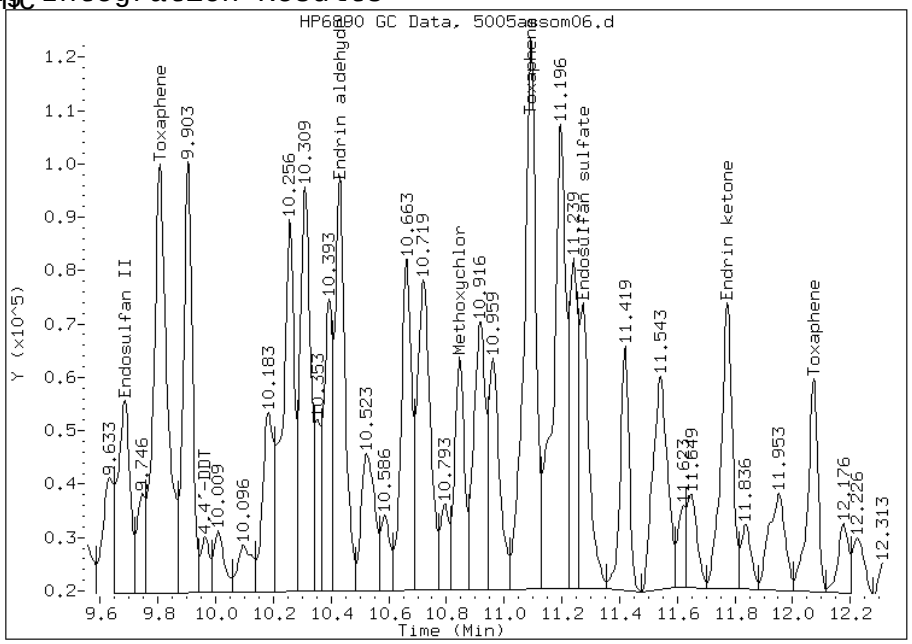
Manual Integration Report

Data File: 5005assom06.d
Lab Sample ID: IC-525171
Inj. Date and Time: 16-AUG-2013 19:23
Instrument ID: 5005_1.i
Client ID: TOXAPH1A1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/19/2013

Processing Integration Results

RT	Response	Conc
9.81	80382*	0.43
10.43	77628*	0.43
11.09	103358*	0.44
11.77	53573*	0.41
12.07	39860*	0.36

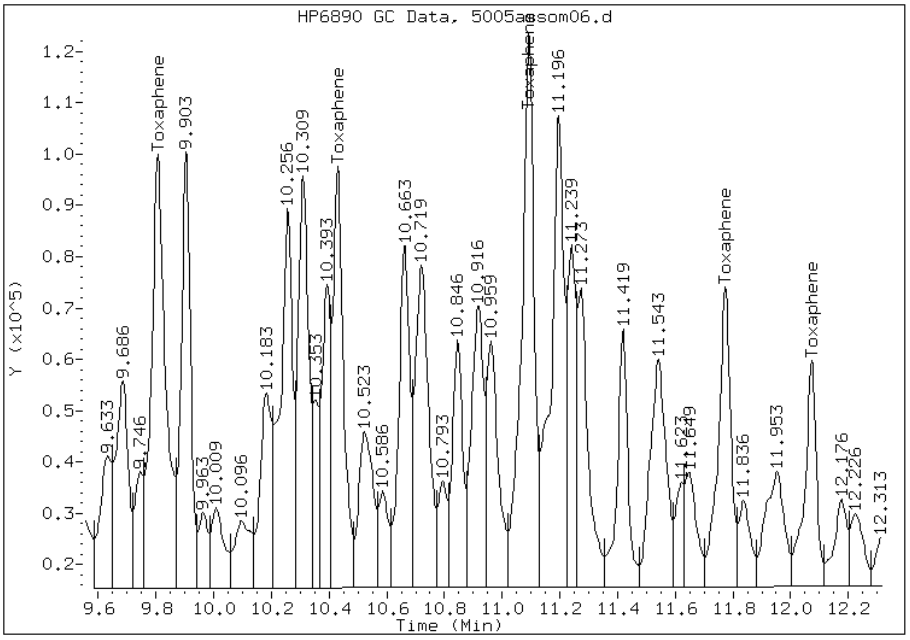
Final Conc		0.41



Manual Integration Results

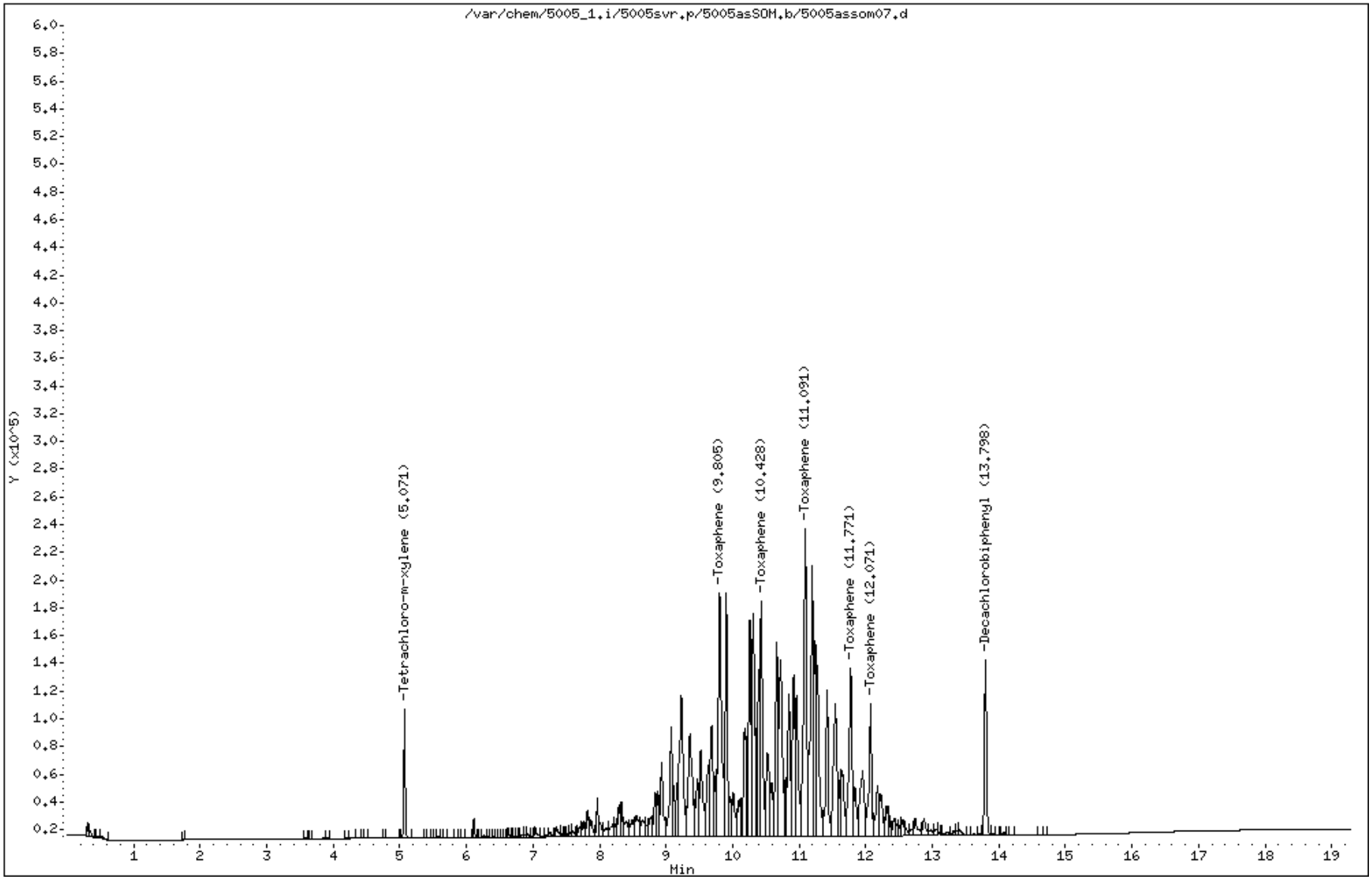
RT	Response	Conc
9.81	84519*	0.46
10.43	82076*	0.45
11.09	108057*	0.46
11.77	58278*	0.44
12.07	43967*	0.40

Final Conc		0.44



File Uploaded By: lmt
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom07.d
Date : 16-AUG-2013 19:46
Client ID: TOXAPH2A1
Instrument: 5005_1.i
Sample Info: IC-525170,1,TOXAPH2A1
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom07.d
Lab Smp Id: IC-525170 Client Smp ID: TOXAPH2A1
Inj Date : 16-AUG-2013 19:46
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525170,1,TOXAPH2A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
23 Toxaphene					CAS #: 8001-35-2		
9.805	9.805	0.000	175547	1.00000	0.9451	80.00- 120.00	100.00(M)
10.428	10.429	-0.001	169435	1.00000	0.9314	60.52- 100.52	96.52
11.091	11.091	0.000	222000	1.00000	0.9489	109.35- 149.35	126.46
11.771	11.771	0.000	121434	1.00000	0.9268	83.28- 123.28	69.17
12.071	12.071	0.000	95321	1.00000	0.8710	59.18- 99.18	54.30
Average of Peak Amounts =					0.9247		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.071	5.070	0.001	93490	0.01000	0.009372	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	126488	0.02000	0.01901	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

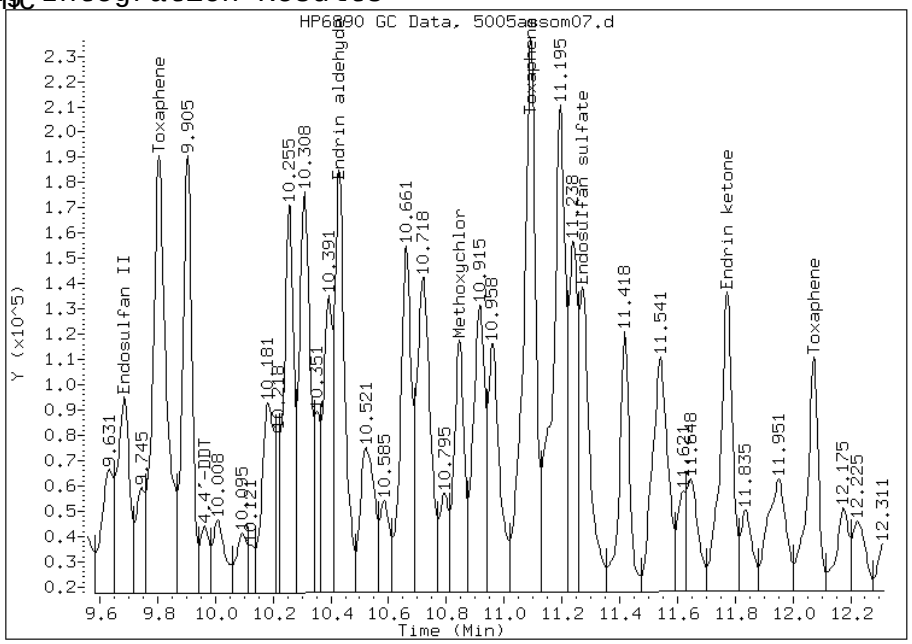
Manual Integration Report

Data File: 5005assom07.d
Lab Sample ID: IC-525170
Inj. Date and Time: 16-AUG-2013 19:46
Instrument ID: 5005_1.i
Client ID: TOXAPH2A1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/19/2013

Processing Integration Results

RT	Response	Conc
9.80	173236*	0.93
10.43	166980*	0.92
11.09	219418*	0.94
11.77	118631*	0.91
12.07	92416*	0.84

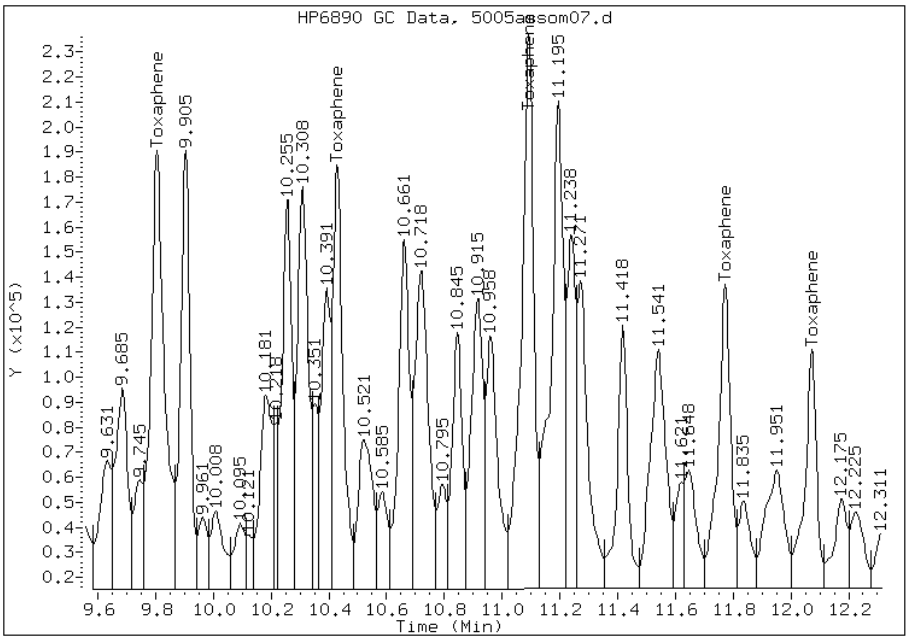
Final Conc		0.91



Manual Integration Results

RT	Response	Conc
9.80	175547*	0.95
10.43	169435*	0.93
11.09	222000*	0.95
11.77	121434*	0.93
12.07	95321*	0.87

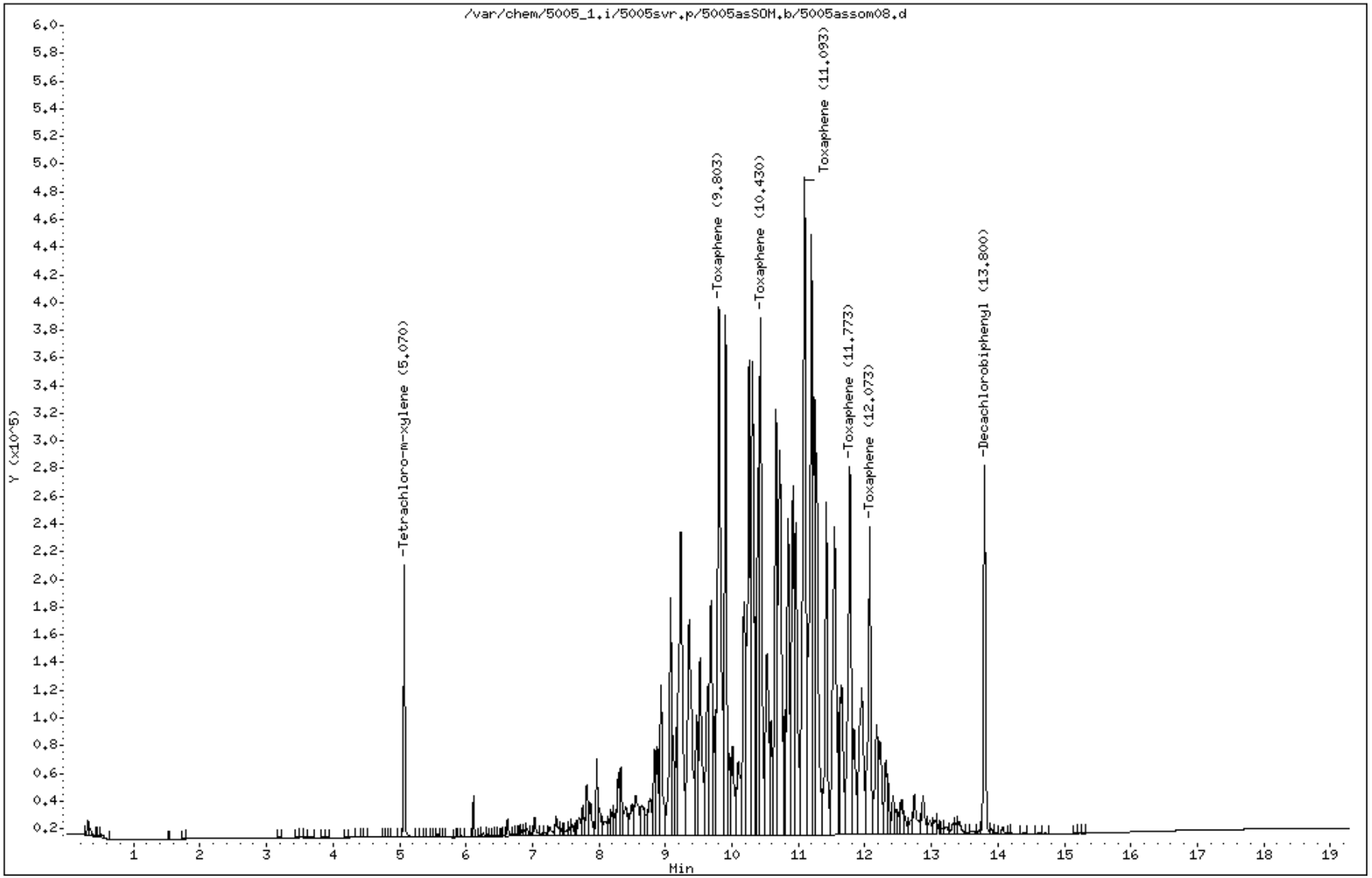
Final Conc		0.92



File Uploaded By: lmt
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom08.d
Date : 16-AUG-2013 20:08
Client ID: TOXAPH3A1
Sample Info: IC-525153,1,TOXAPH3A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom08.d
Lab Smp Id: IC-525153 Client Smp ID: TOXAPH3A1
Inj Date : 16-AUG-2013 20:08
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525153,1,TOXAPH3A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene						CAS #: 8001-35-2		
9.803	9.805	-0.002	381161	2.00000	2.052	80.00- 120.00		100.00(M)
10.430	10.429	0.001	373466	2.00000	2.053	60.52- 100.52		97.98
11.093	11.091	0.002	474712	2.00000	2.029	109.35- 149.35		124.54
11.773	11.771	0.002	265549	2.00000	2.027	83.28- 123.28		69.67
12.073	12.071	0.002	222578	2.00000	2.034	59.18- 99.18		58.39
Average of Peak Amounts =					2.039			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.070	5.070	0.000	196719	0.02000	0.01972	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.800	13.798	0.002	265910	0.04000	0.03996	80.00- 120.00		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

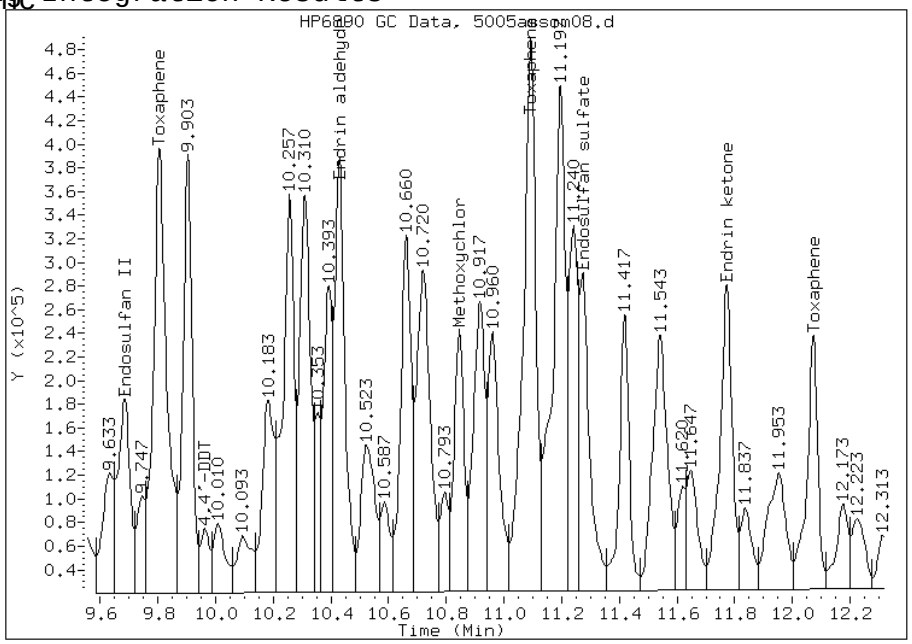
Manual Integration Report

Data File: 5005assom08.d
Lab Sample ID: IC-525153
Inj. Date and Time: 16-AUG-2013 20:08
Instrument ID: 5005_1.i
Client ID: TOXAPH3A1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/19/2013

Processing Integration Results

RT	Response	Conc
9.80	376316*	2.03
10.43	367765*	2.02
11.09	468237*	2.00
11.77	258004*	1.97
12.07	214544*	1.96

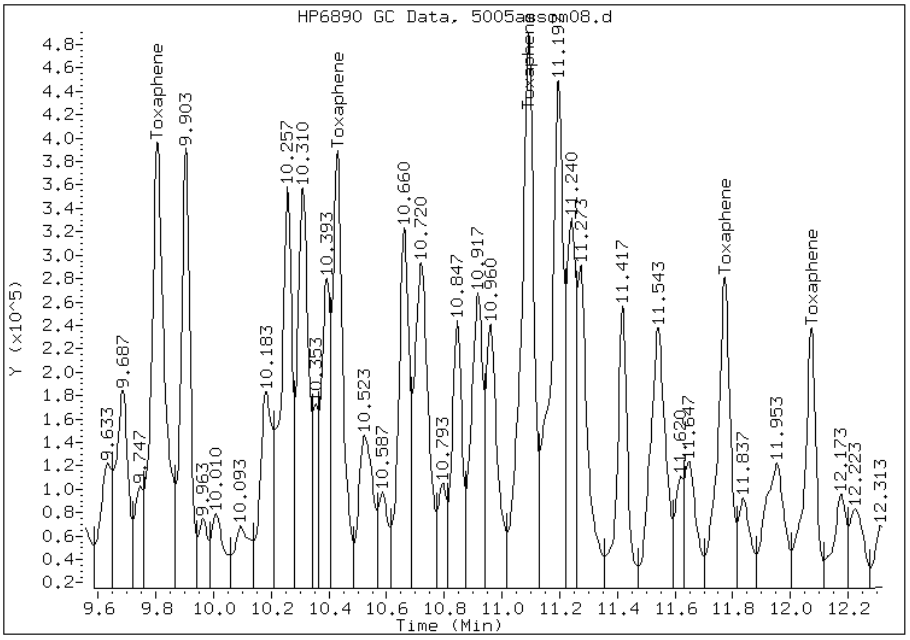
Final Conc		2.00



Manual Integration Results

RT	Response	Conc
9.80	381161*	2.05
10.43	373466*	2.05
11.09	474712*	2.03
11.77	265549*	2.03
12.07	222578*	2.03

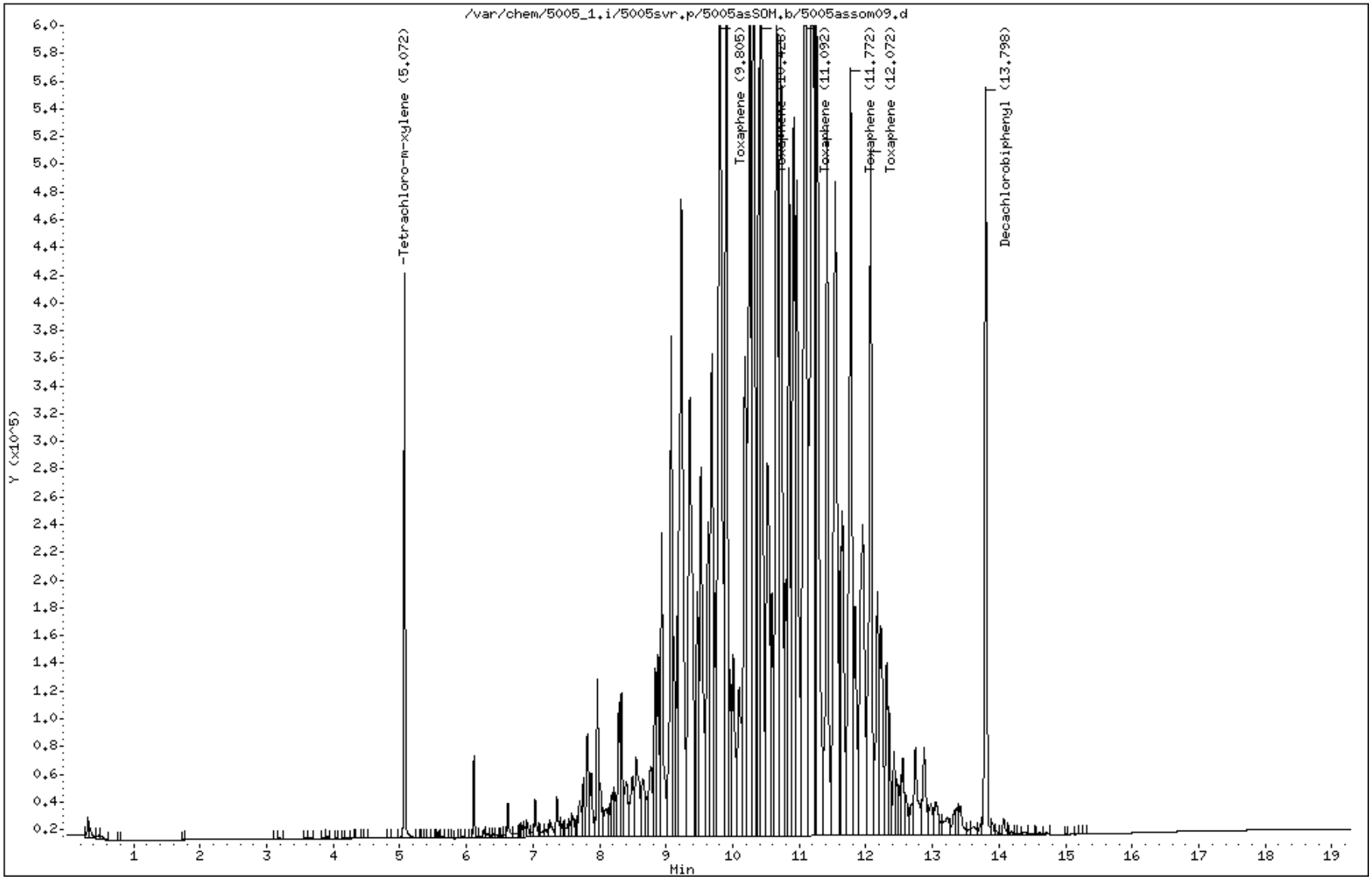
Final Conc		2.04



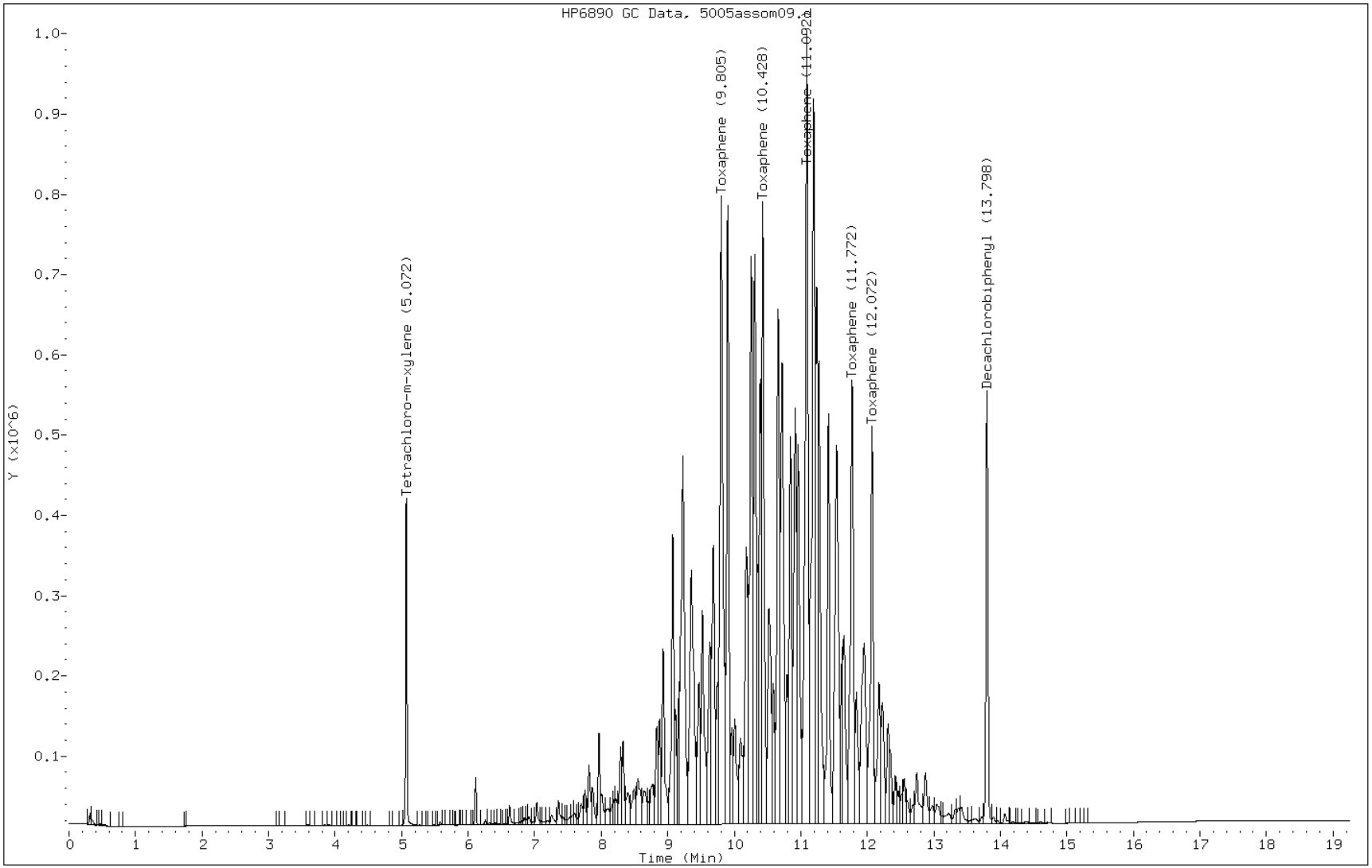
File Uploaded By: lmt
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom09.d
Date : 16-AUG-2013 20:31
Client ID: TOXAPH4A1
Sample Info: IC-525148,1,TOXAPH4A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File:	5005assom09.d	Date:	16-AUG-2013 20:31
Client ID:	TOXAPH4A1	Instrument:	5005_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.3
Stationary Phase:	RTX-CLP		
Sample Info:	IC-525148,1,TOXAPH4A1		



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom09.d
Lab Smp Id: IC-525148 Client Smp ID: TOXAPH4A1
Inj Date : 16-AUG-2013 20:31
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525148,1,TOXAPH4A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene					CAS #: 8001-35-2			
9.805	9.805	0.000	782733	4.00000	4.214	80.00- 120.00		100.00(M)
10.428	10.429	-0.001	775937	4.00000	4.265	60.52- 100.52		99.13
11.092	11.091	0.001	983115	4.00000	4.202	109.35- 149.35		125.60
11.772	11.771	0.001	553251	4.00000	4.223	83.28- 123.28		70.68
12.072	12.071	0.001	494980	4.00000	4.523	59.18- 99.18		63.24
Average of Peak Amounts =					4.285			
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.072	5.070	0.002	407779	0.04000	0.04088	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3			
13.798	13.798	0.000	539541	0.08000	0.08107	80.00- 120.00		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

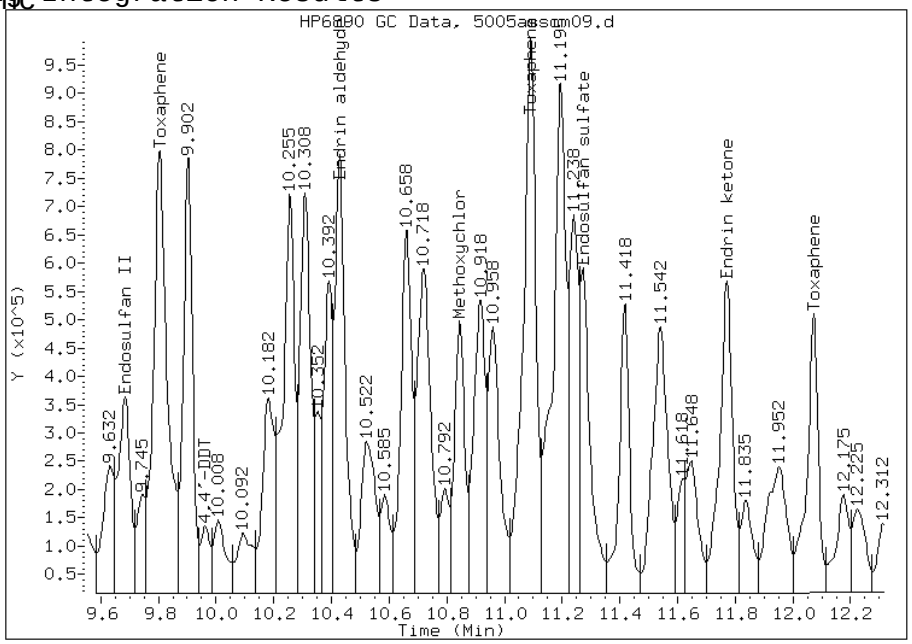
Manual Integration Report

Data File: 5005assom09.d
Lab Sample ID: IC-525148
Inj. Date and Time: 16-AUG-2013 20:31
Instrument ID: 5005_1.i
Client ID: TOXAPH4A1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/19/2013

Processing Integration Results

RT	Response	Conc
9.81	781464*	4.21
10.43	774522*	4.26
11.09	981586*	4.20
11.77	551523*	4.21
12.07	493158*	4.51

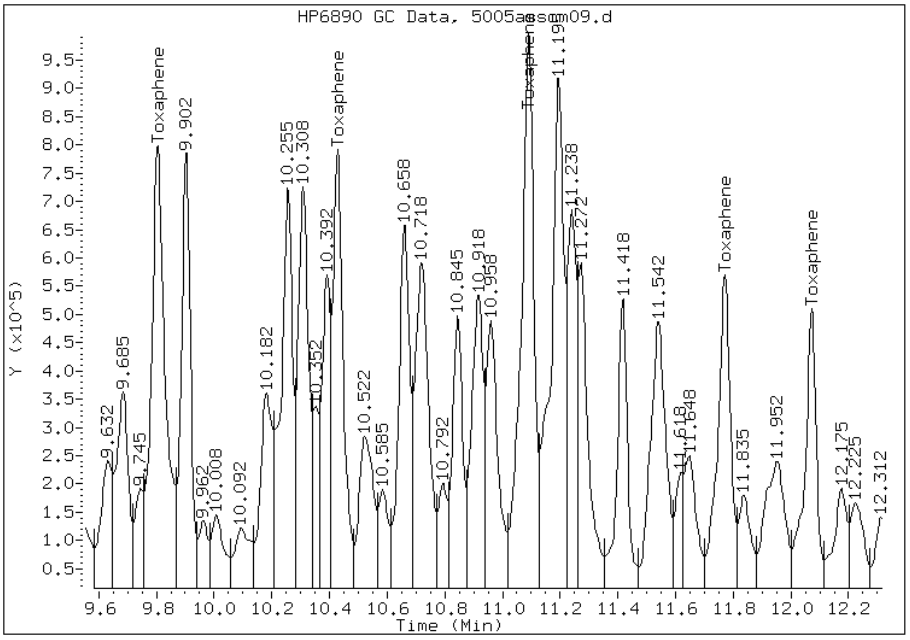
Final Conc		4.28



Manual Integration Results

RT	Response	Conc
9.81	782733*	4.21
10.43	775937*	4.27
11.09	983115*	4.20
11.77	553251*	4.22
12.07	494980*	4.52

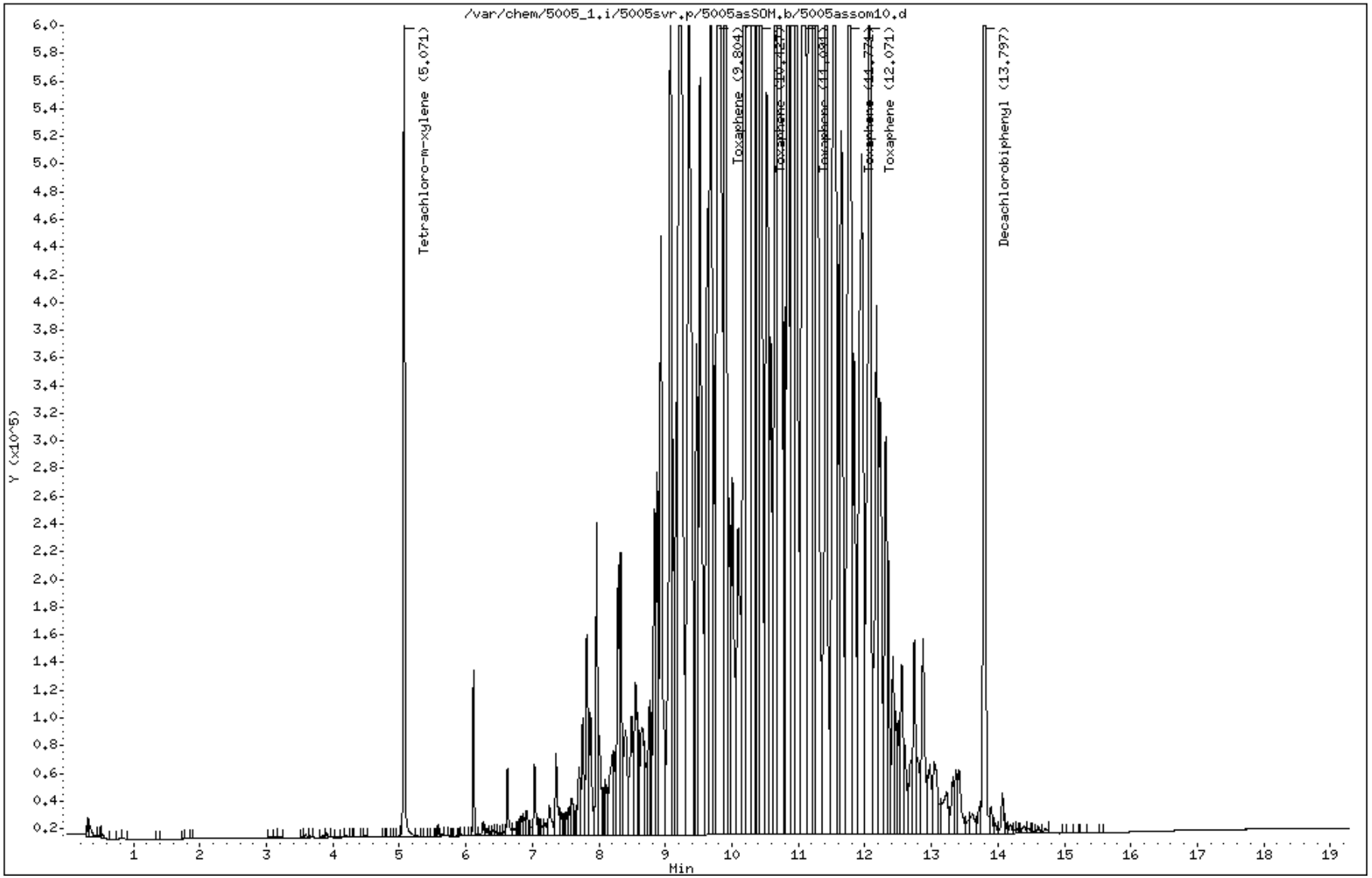
Final Conc		4.29



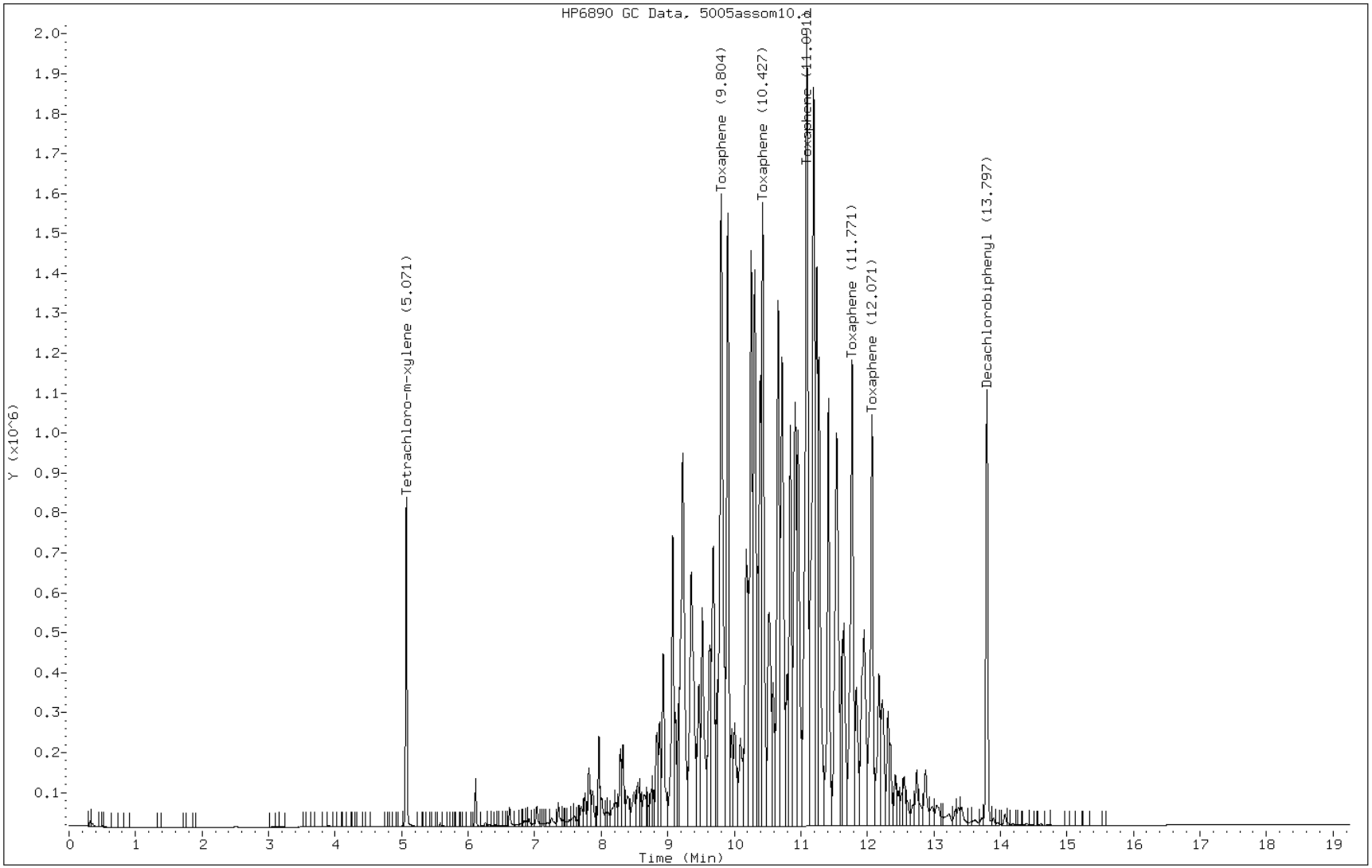
File Uploaded By: lmt
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom10.d
Date : 16-AUG-2013 20:54
Client ID: TOXAPH5A1
Sample Info: IC-525113,1,TOXAPH5A1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File:	5005assom10.d	Date:	16-AUG-2013 20:54
Client ID:	TOXAPH5A1	Instrument:	5005_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.3
Stationary Phase:	RTX-CLP		
Sample Info:	IC-525113,1,TOXAPH5A1		



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom10.d
Lab Smp Id: IC-525113 Client Smp ID: TOXAPH5A1
Inj Date : 16-AUG-2013 20:54
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525113,1,TOXAPH5A1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
23 Toxaphene					CAS #: 8001-35-2		
9.804	9.805	-0.001	1583156	8.00000	8.523	80.00- 120.00	100.00(AM)
10.427	10.429	-0.002	1562227	8.00000	8.588	60.52- 100.52	98.68
11.091	11.091	0.000	1987941	8.00000	8.497	109.35- 149.35	125.57
11.771	11.771	0.000	1168220	8.00000	8.916	83.28- 123.28	73.79
12.071	12.071	0.000	1030985	8.00000	9.421	59.18- 99.18	65.12
		Average of Peak Amounts =			8.789		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.071	5.070	0.001	825198	0.08000	0.08272	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.797	13.798	-0.001	1092531	0.16000	0.1642	80.00- 120.00	100.00(M)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

QC Flag Legend

M - Compound response manually integrated.

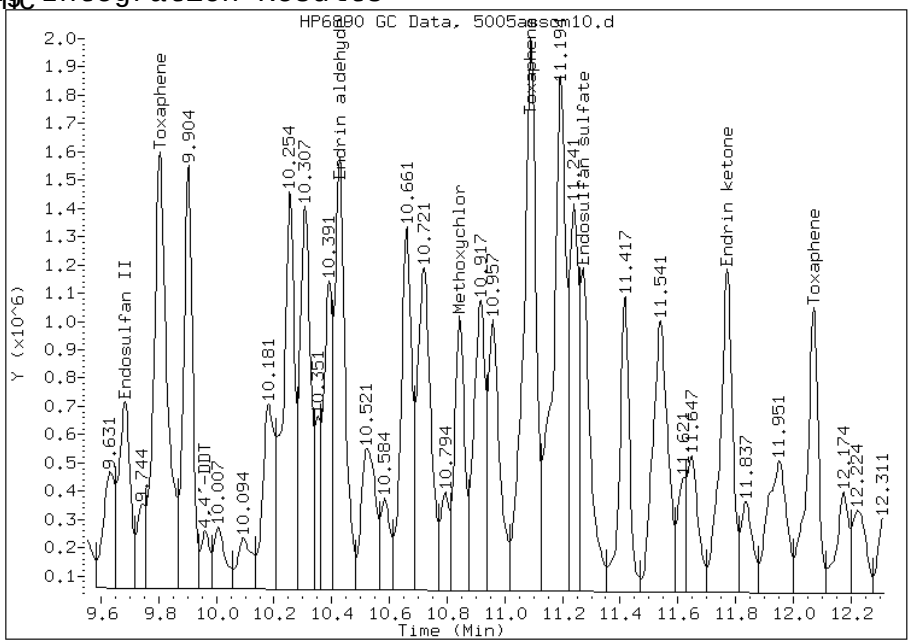
Manual Integration Report

Data File: 5005assom10.d
Lab Sample ID: IC-525113
Inj. Date and Time: 16-AUG-2013 20:54
Instrument ID: 5005_1.i
Client ID: TOXAPH5A1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/19/2013

Processing Integration Results

RT	Response	Conc
9.80	1542001*	8.30
10.43	1525900*	8.39
11.09	1956881*	8.36
11.77	1142560*	8.72
12.07	1007847*	9.21

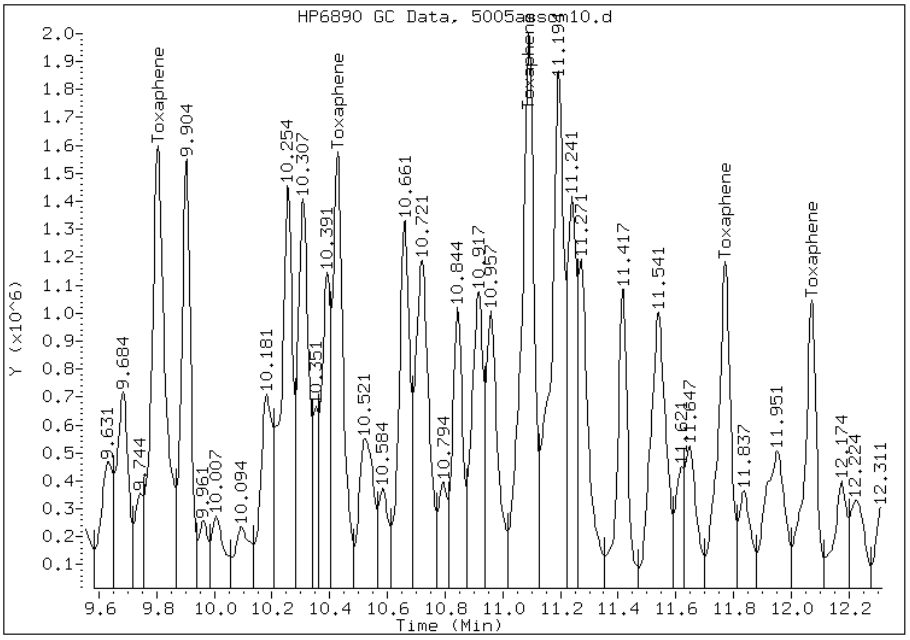
Final Conc		8.60



Manual Integration Results

RT	Response	Conc
9.80	1583156*	8.52
10.43	1562227*	8.59
11.09	1987941*	8.50
11.77	1168220*	8.92
12.07	1030985*	9.42

Final Conc		8.79



File Uploaded By: lmt
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom06.d

Page 1

Date : 25-AUG-2013 19:11

Client ID: TOXAPH1D1

Instrument: 5005_1.i

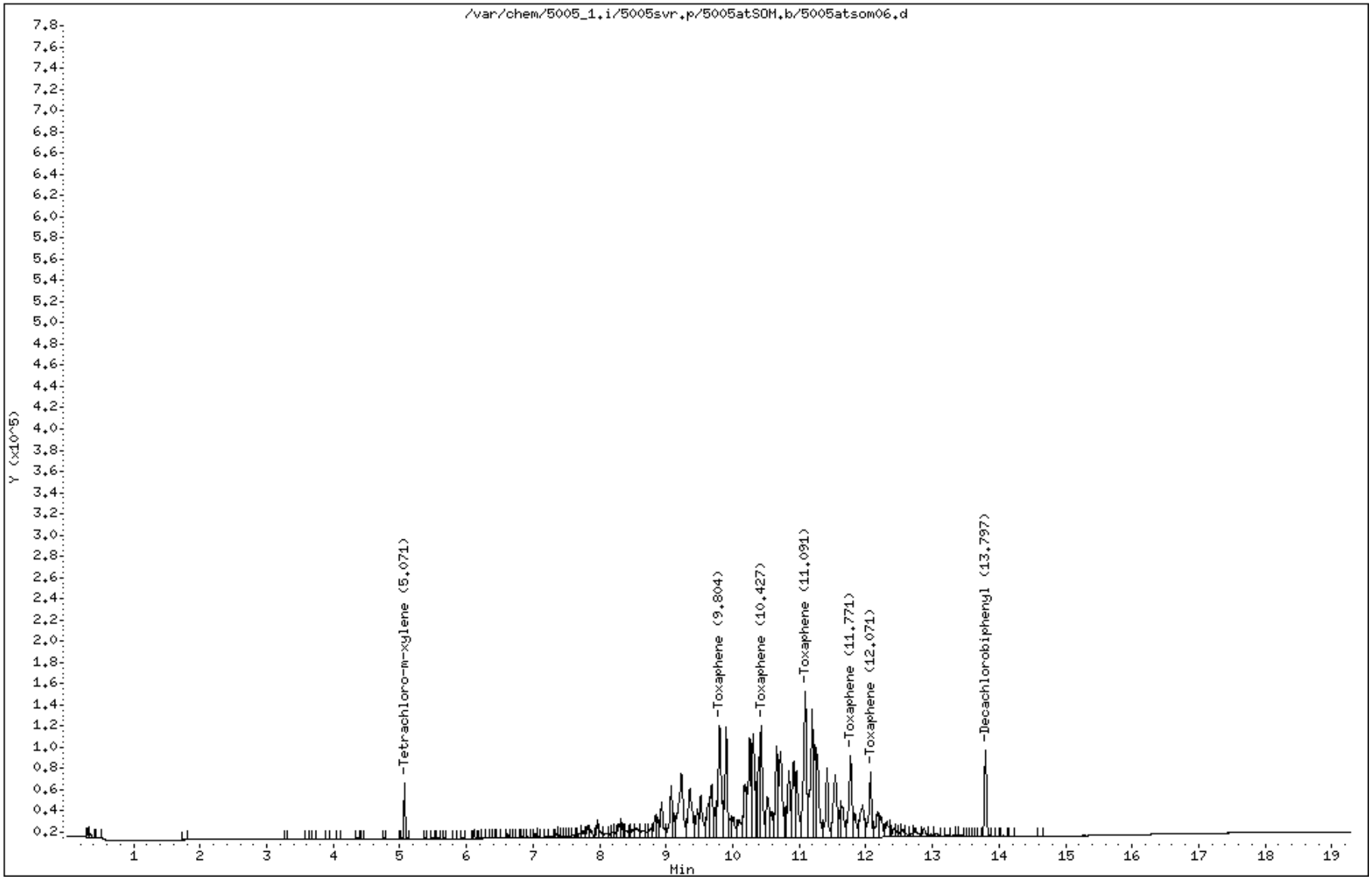
Sample Info: IC-525171,1,TOXAPH1D1

Volume Injected (uL): 1.0

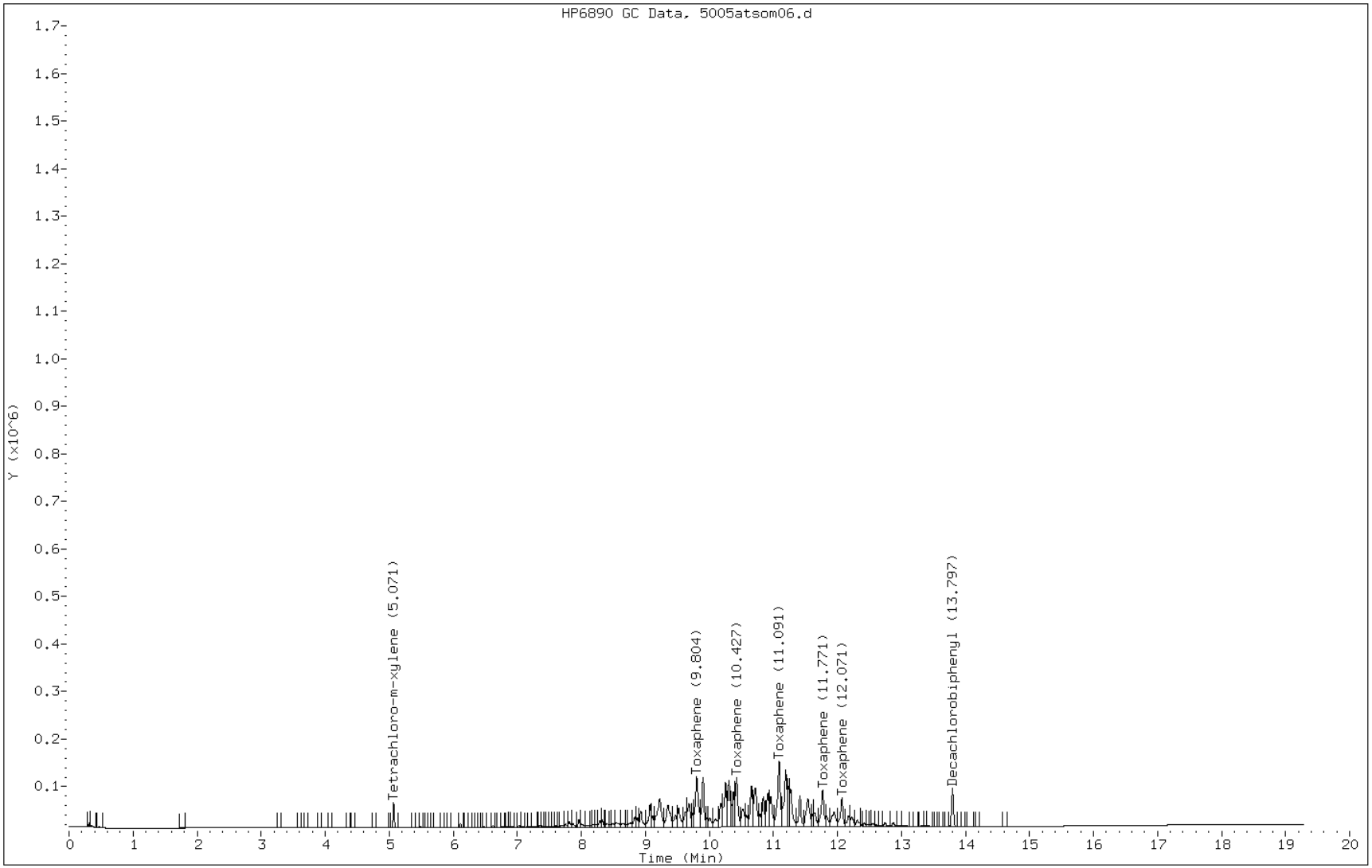
Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



Data File:	5005atsom06.d	Date:	25-AUG-2013 19:11
Client ID:	TOXAPH1D1	Instrument:	5005_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.3
Stationary Phase:	RTX-CLP		
Sample Info:	IC-525171,1,TOXAPH1D1		



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom06.d
Lab Smp Id: IC-525171 Client Smp ID: TOXAPH1D1
Inj Date : 25-AUG-2013 19:11
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525171,1,TOXAPH1D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
9.804	9.801	0.003	105381	0.50000	0.4554	80.00- 120.00	100.00(aM)
10.427	10.429	-0.002	104871	0.50000	0.4518	60.52- 100.52	99.52
11.091	11.090	0.001	137536	0.50000	0.4611	109.35- 149.35	130.51
11.771	11.770	0.001	76404	0.50000	0.4505	83.28- 123.28	72.50
12.071	12.070	0.001	61725	0.50000	0.4221	59.18- 99.18	58.57
Average of Peak Amounts =					0.4482		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.071	5.070	0.001	53080	0.00500	0.004297	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.797	13.798	-0.001	81930	0.01000	0.009873	80.00- 120.00	100.00

QC Flag Legend

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

QC Flag Legend

M - Compound response manually integrated.

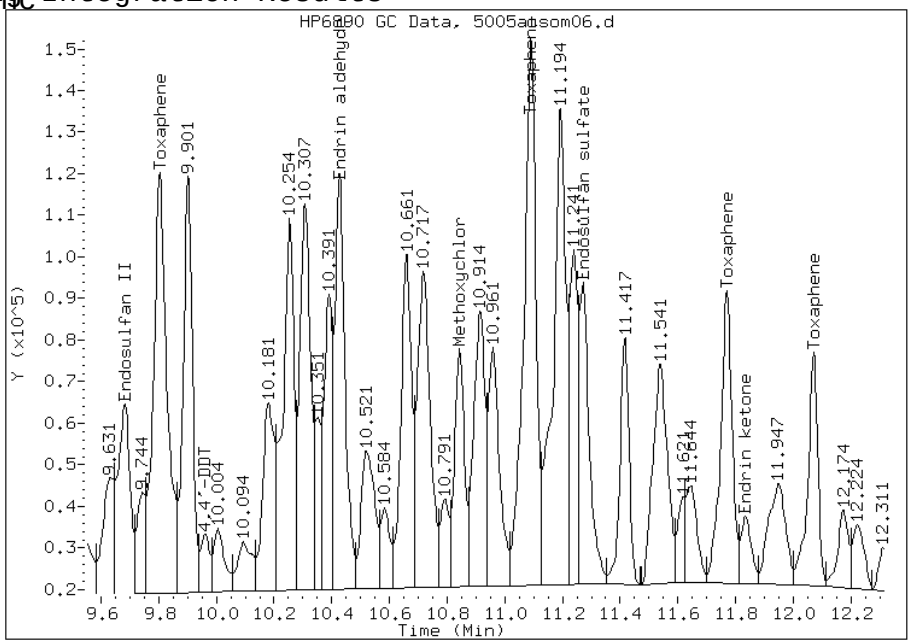
Manual Integration Report

Data File: 5005atsom06.d
Lab Sample ID: IC-525171
Inj. Date and Time: 25-AUG-2013 19:11
Instrument ID: 5005_1.i
Client ID: TOXAPH1D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
9.80	101179*	0.44
10.43	99851*	0.43
11.09	131761*	0.44
11.77	70193*	0.41
12.07	56292*	0.38

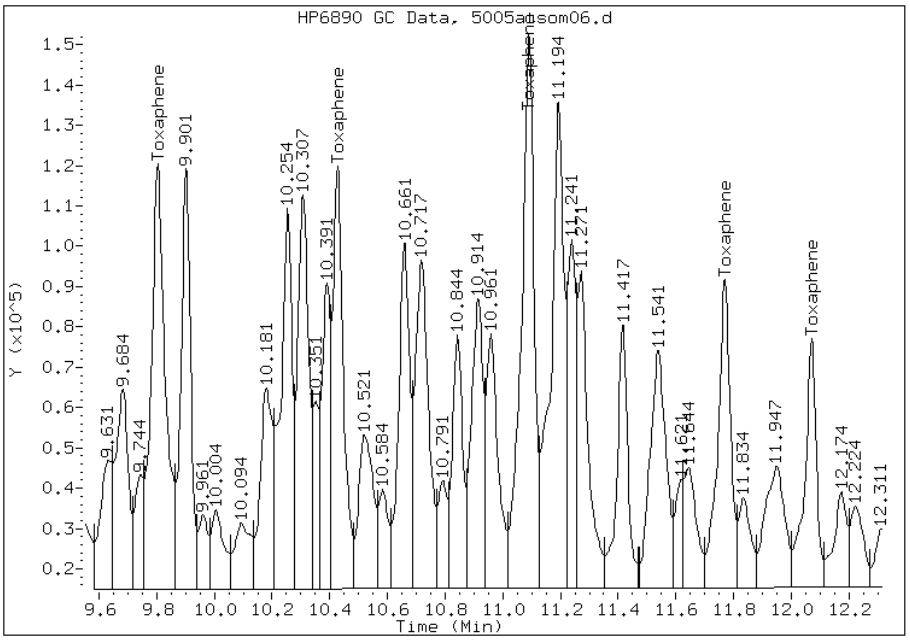
Final Conc		0.42



Manual Integration Results

RT	Response	Conc
9.80	105381*	0.46
10.43	104871*	0.45
11.09	137536*	0.46
11.77	76404*	0.45
12.07	61725*	0.42

Final Conc		0.45



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom06.d

Date : 25-AUG-2013 19:11

Client ID: TOXAPH1D1

Instrument: 5005_2.i

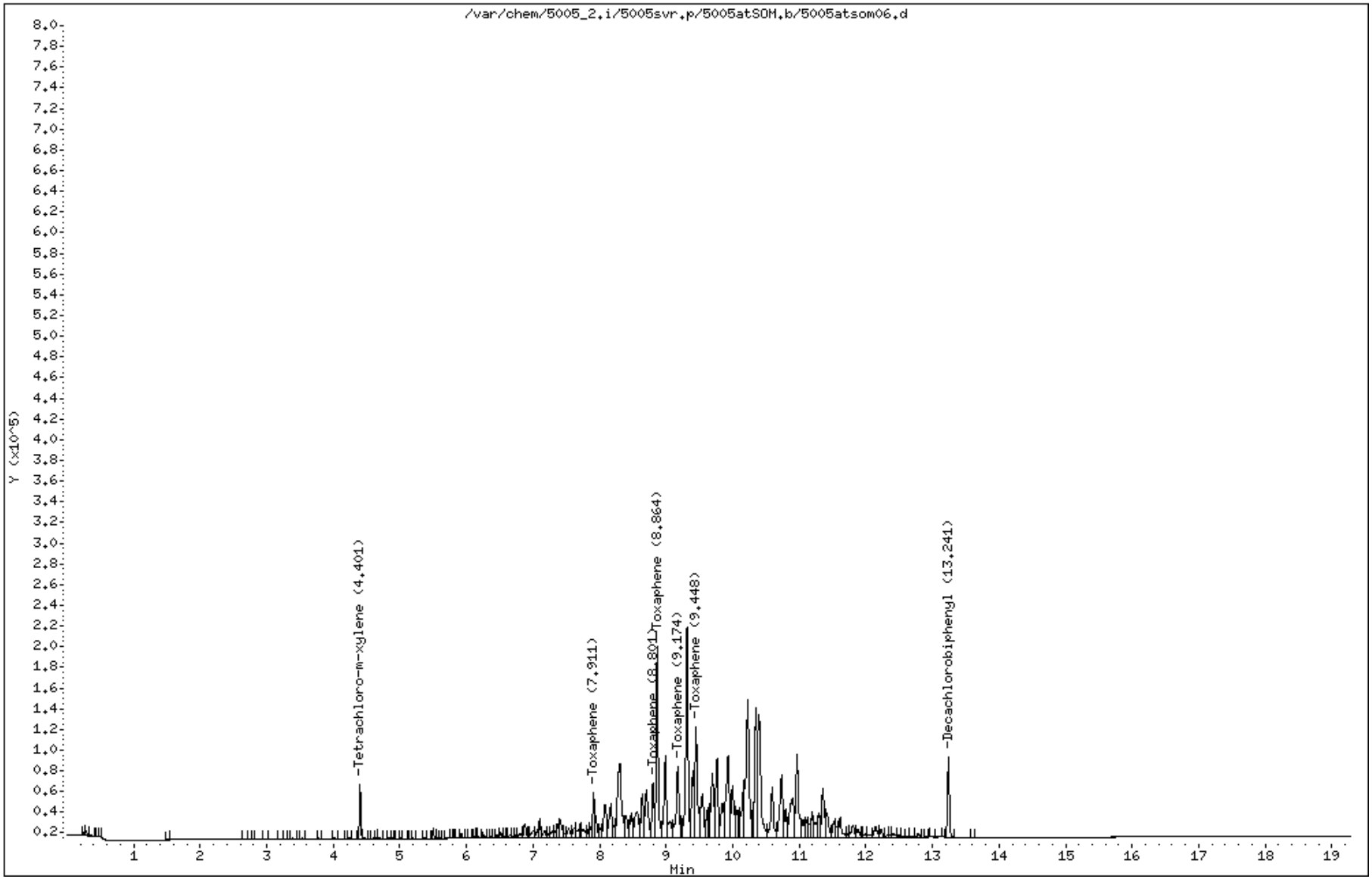
Sample Info: IC-525171,1,TOXAPH1D1

Volume Injected (uL): 1.0

Operator: RRM

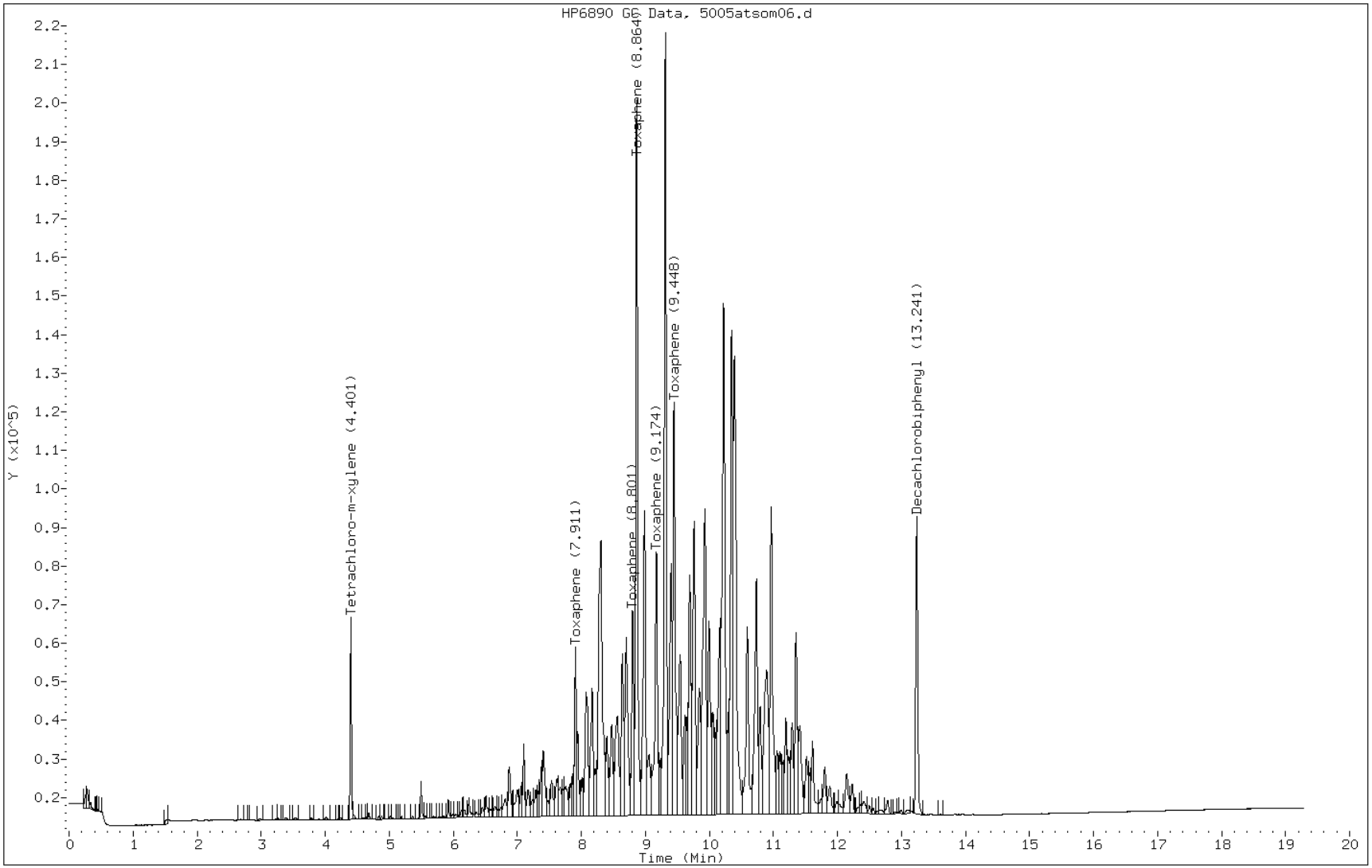
Column phase: RTX-CLPII

Column diameter: 0.32



Data File: 5005atsom06.d
Client ID: TOXAPH1D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525171,1,TOXAPH1D1

Date: 25-AUG-2013 19:11
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom06.d
Lab Smp Id: IC-525171 Client Smp ID: TOXAPH1D1
Inj Date : 25-AUG-2013 19:11
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525171,1,TOXAPH1D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:04 Cal File: 5005atsom11.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
23 Toxaphene					CAS #: 8001-35-2		
7.911	7.910	0.001	43779	0.50000	0.4973	80.00- 120.00	100.00(aM)
8.801	8.801	0.000	53091	0.50000	0.4815	60.52- 100.52	121.27
8.864	8.865	-0.001	185383	0.50000	0.4727	109.35- 149.35	423.45
9.174	9.175	-0.001	68172	0.50000	0.4728	83.28- 123.28	155.72
9.448	9.449	-0.001	106869	0.50000	0.4711	59.18- 99.18	244.11
Average of Peak Amounts =					0.4791		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.401	4.402	-0.001	52464	0.00500	0.004338	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.241	13.241	0.000	76951	0.01000	0.009547	80.00- 120.00	100.00

QC Flag Legend

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

QC Flag Legend

M - Compound response manually integrated.

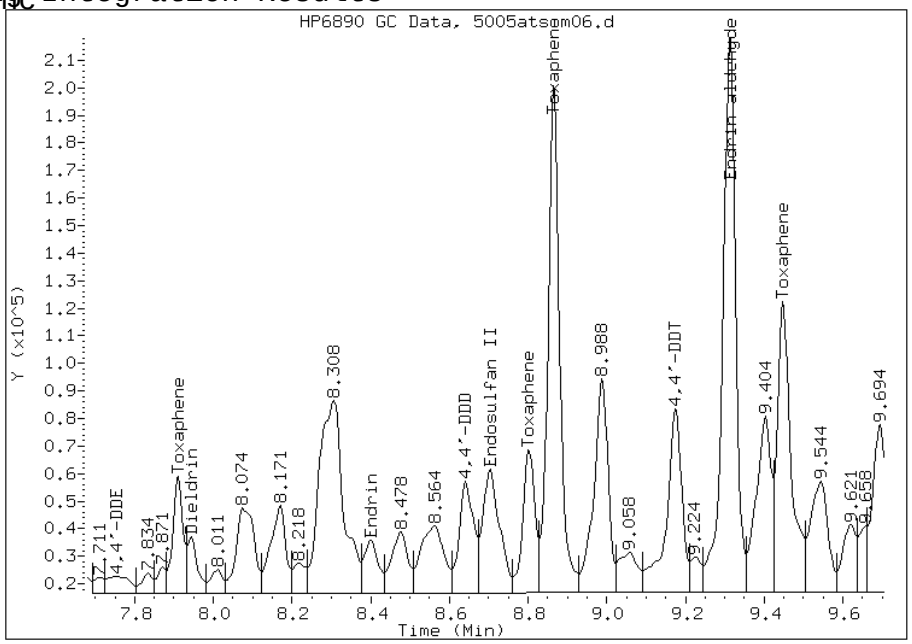
Manual Integration Report

Data File: 5005atsom06.d
Lab Sample ID: IC-525171
Inj. Date and Time: 25-AUG-2013 19:11
Instrument ID: 5005_2.i
Client ID: TOXAPH1D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
7.91	42452*	0.48
8.80	51718*	0.47
8.86	184005*	0.47
9.17	66768*	0.46
9.45	105447*	0.46

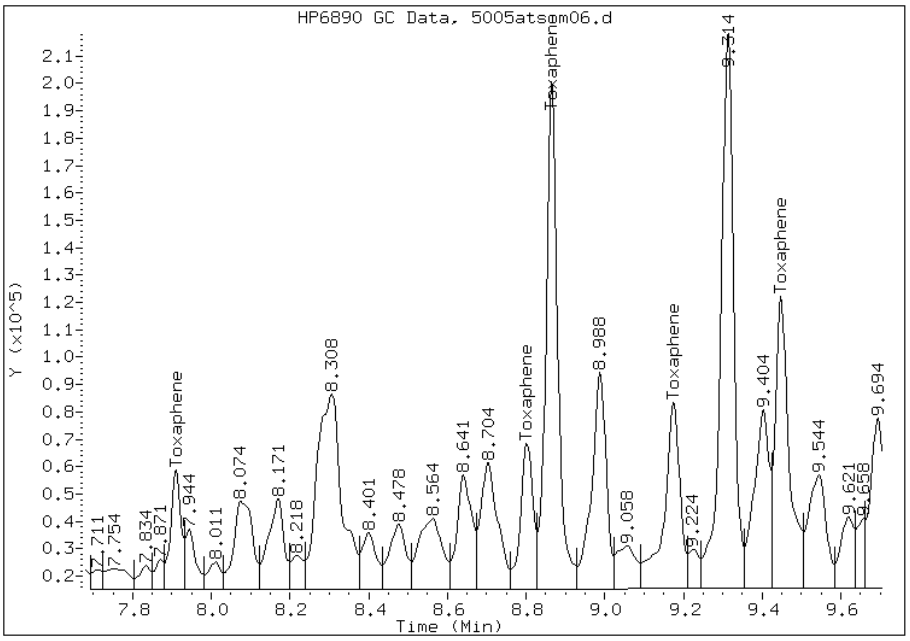
Final Conc		0.47



Manual Integration Results

RT	Response	Conc
7.91	43779*	0.50
8.80	53091*	0.48
8.86	185383*	0.47
9.17	68172*	0.47
9.45	106869*	0.47

Final Conc		0.48



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom07.d

Date : 25-AUG-2013 19:34

Client ID: TOXAPH2D1

Instrument: 5005_1.i

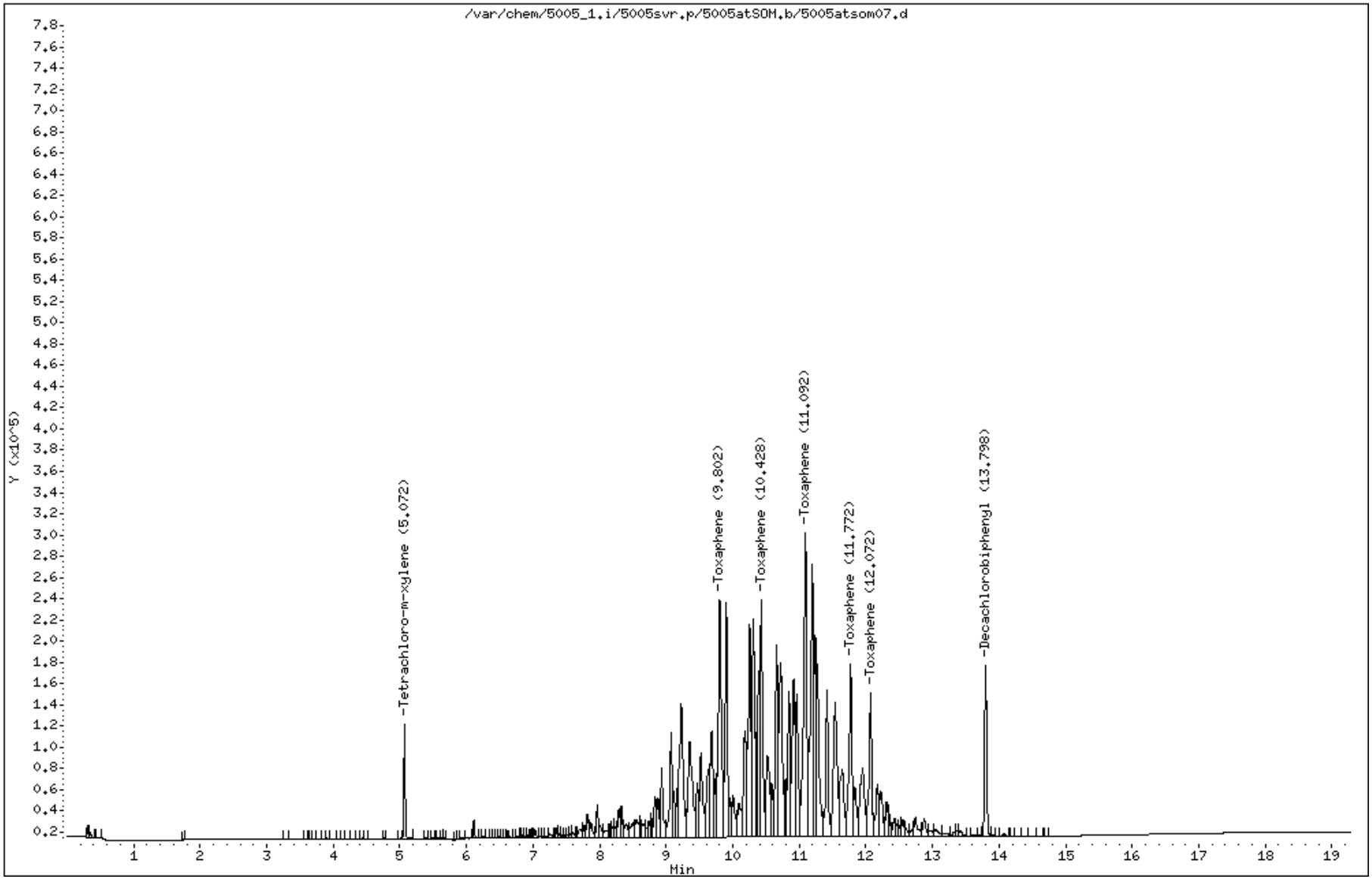
Sample Info: IC-525170,1,TOXAPH2D1

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom07.d
Lab Smp Id: IC-525170 Client Smp ID: TOXAPH2D1
Inj Date : 25-AUG-2013 19:34
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525170,1,TOXAPH2D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
23 Toxaphene					CAS #: 8001-35-2		
9.802	9.801	0.001	223657	1.00000	0.9666	80.00- 120.00	100.00(M)
10.428	10.429	-0.001	223003	1.00000	0.9607	60.52- 100.52	99.71
11.092	11.090	0.002	286432	1.00000	0.9604	109.35- 149.35	128.07
11.772	11.770	0.002	162281	1.00000	0.9568	83.28- 123.28	72.56
12.072	12.070	0.002	135150	1.00000	0.9243	59.18- 99.18	60.43
Average of Peak Amounts =					0.9537		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	107630	0.01000	0.008712	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	161015	0.02000	0.01940	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

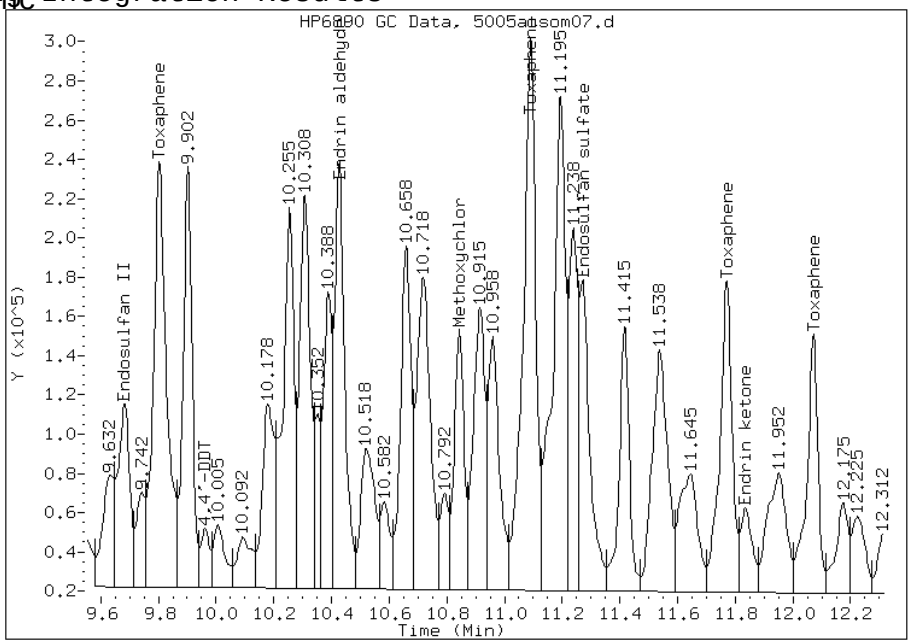
Manual Integration Report

Data File: 5005atsom07.d
Lab Sample ID: IC-525170
Inj. Date and Time: 25-AUG-2013 19:34
Instrument ID: 5005_1.i
Client ID: TOXAPH2D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
9.80	216973*	0.94
10.43	217266*	0.94
11.09	281775*	0.94
11.77	158740*	0.94
12.07	132129*	0.90

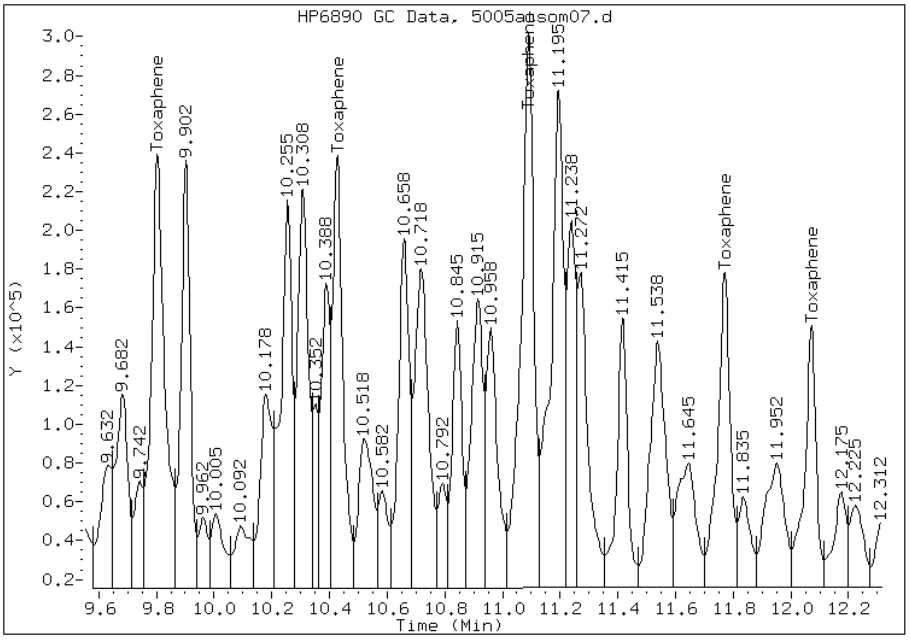
Final Conc		0.93



Manual Integration Results

RT	Response	Conc
9.80	223657*	0.97
10.43	223003*	0.96
11.09	286432*	0.96
11.77	162281*	0.96
12.07	135150*	0.92

Final Conc		0.95



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom07.d

Date : 25-AUG-2013 19:34

Client ID: TOXAPH2D1

Instrument: 5005_2.i

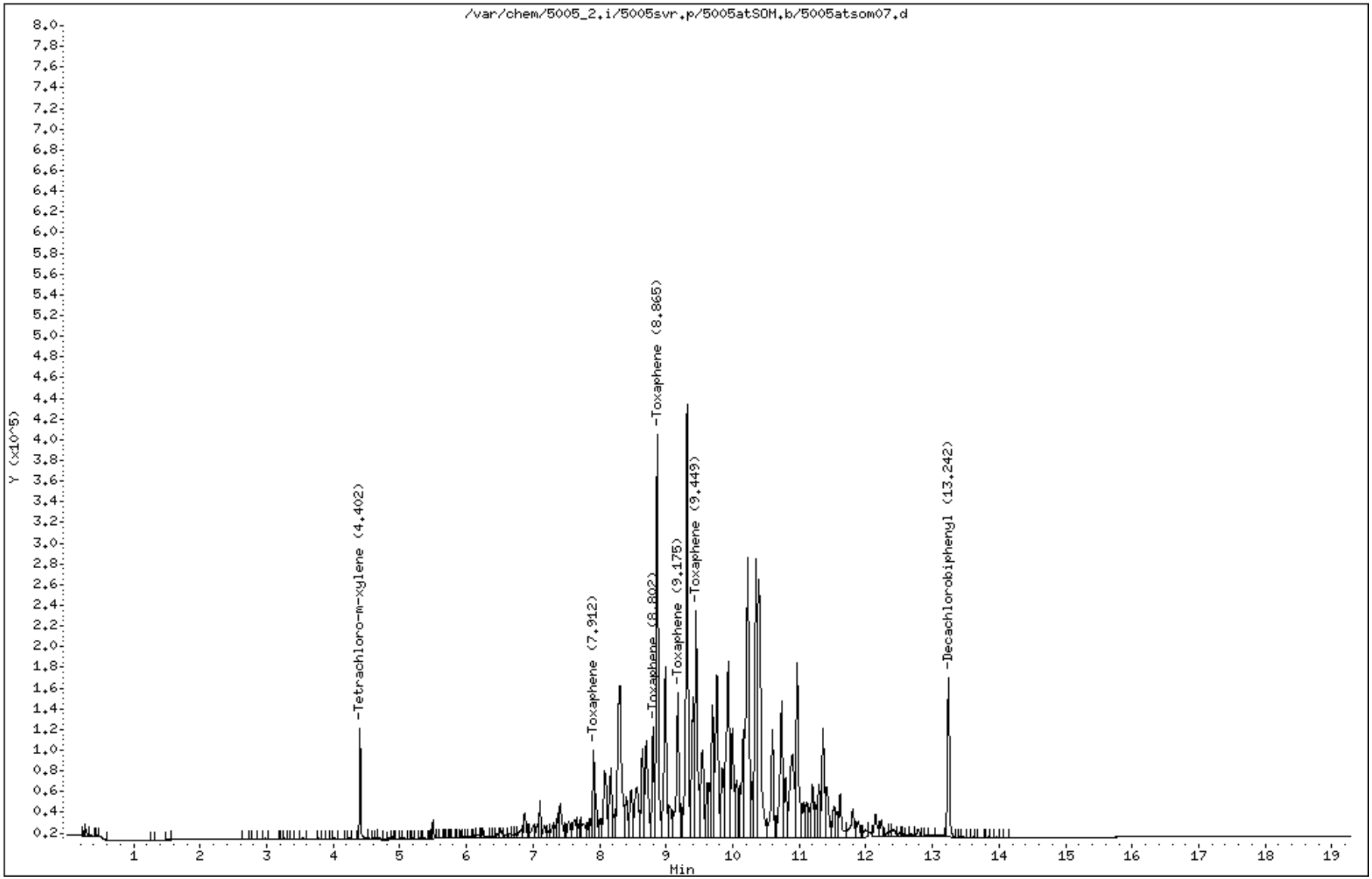
Sample Info: IC-525170,1,TOXAPH2D1

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLPII

Column diameter: 0.32



08/30/2013

TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom07.d
Lab Smp Id: IC-525170 Client Smp ID: TOXAPH2D1
Inj Date : 25-AUG-2013 19:34
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525170,1,TOXAPH2D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:27 Cal File: 5005atsom12.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene					CAS #: 8001-35-2			
7.912	7.910	0.002	85011	1.00000	0.9657	80.00- 120.00		100.00(M)
8.802	8.801	0.001	107232	1.00000	0.9725	60.52- 100.52		126.14
8.865	8.865	0.000	389172	1.00000	0.9923	109.35- 149.35		457.79
9.175	9.175	0.000	140381	1.00000	0.9736	83.28- 123.28		165.13
9.449	9.449	0.000	219190	1.00000	0.9661	59.18- 99.18		257.84
Average of Peak Amounts =					0.9741			
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.402	4.402	0.000	106701	0.01000	0.008823	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3			
13.242	13.241	0.001	153312	0.02000	0.01902	80.00- 120.00		100.00

QC Flag Legend

M - Compound response manually integrated.

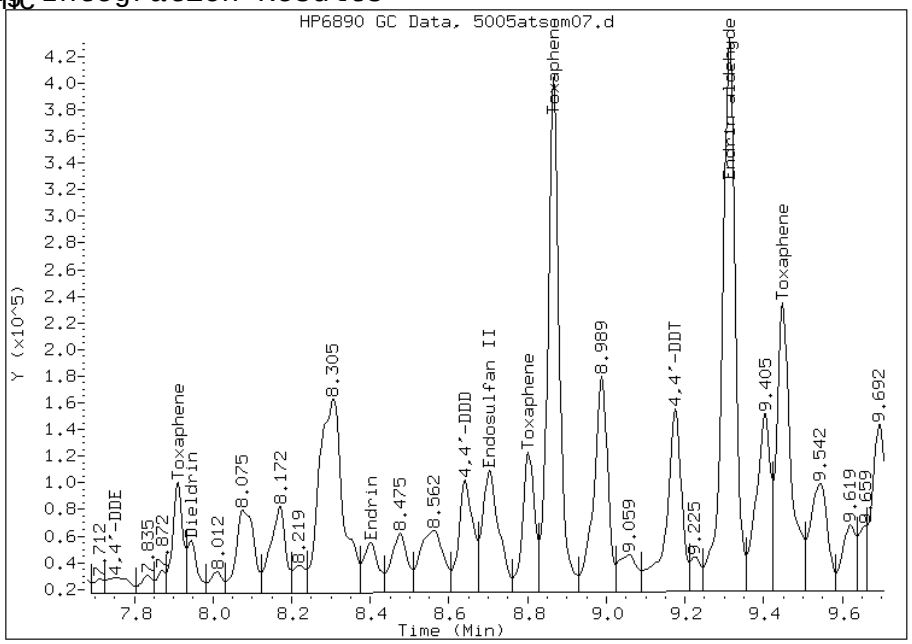
Manual Integration Report

Data File: 5005atsom07.d
Lab Sample ID: IC-525170
Inj. Date and Time: 25-AUG-2013 19:34
Instrument ID: 5005_2.i
Client ID: TOXAPH2D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
7.91	83212*	0.95
8.80	104718*	0.95
8.87	386590*	0.99
9.18	137477*	0.95
9.45	216017*	0.95

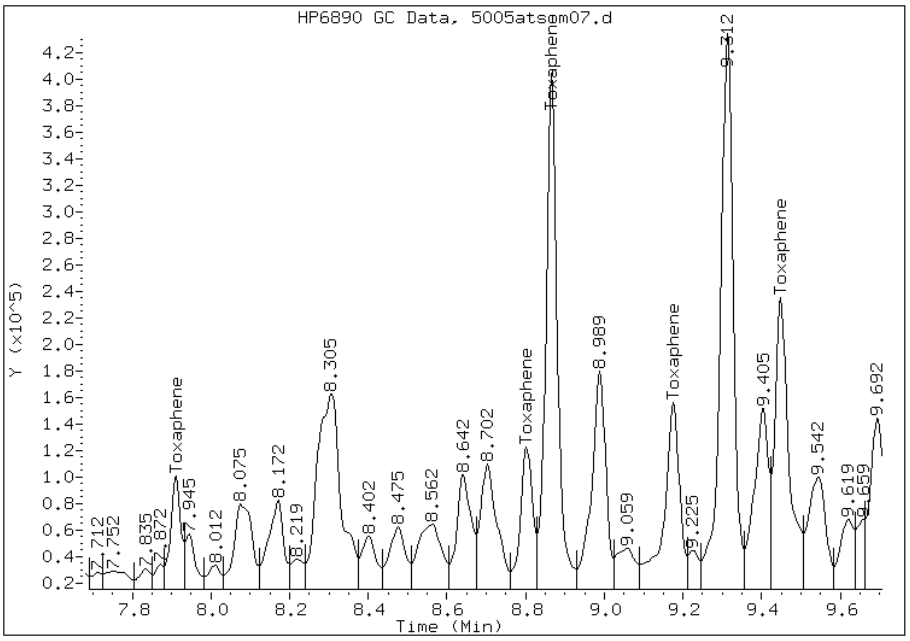
Final Conc		0.96



Manual Integration Results

RT	Response	Conc
7.91	85011*	0.97
8.80	107232*	0.97
8.87	389172*	0.99
9.18	140381*	0.97
9.45	219190*	0.97

Final Conc		0.97



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom08.d

Date : 25-AUG-2013 19:56

Client ID: TOXAPH3D1

Instrument: 5005_1.i

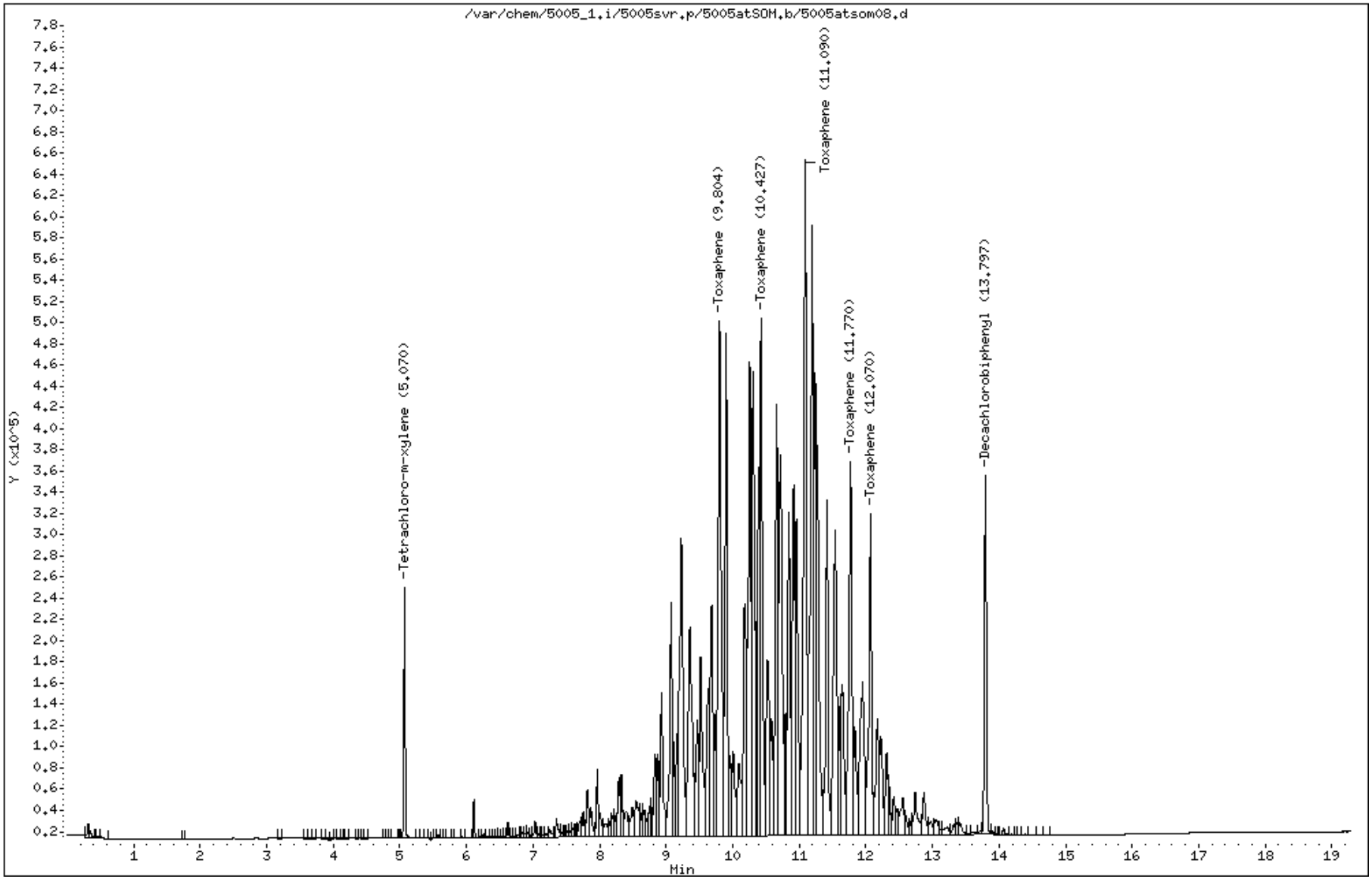
Sample Info: IC-525153,1,TOXAPH3D1

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom08.d
Lab Smp Id: IC-525153 Client Smp ID: TOXAPH3D1
Inj Date : 25-AUG-2013 19:56
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525153,1,TOXAPH3D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene						CAS #: 8001-35-2		
9.804	9.801	0.003	485318	2.00000	2.097	80.00- 120.00		100.00(M)
10.427	10.429	-0.002	487453	2.00000	2.100	60.52- 100.52		100.44
11.090	11.090	0.000	636677	2.00000	2.135	109.35- 149.35		131.19
11.770	11.770	0.000	352661	2.00000	2.079	83.28- 123.28		72.67
12.070	12.070	0.000	303076	2.00000	2.073	59.18- 99.18		62.45
Average of Peak Amounts =					2.097			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.070	5.070	0.000	235900	0.02000	0.01909	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.797	13.798	-0.001	337428	0.04000	0.04066	80.00- 120.00		100.00

QC Flag Legend

M - Compound response manually integrated.

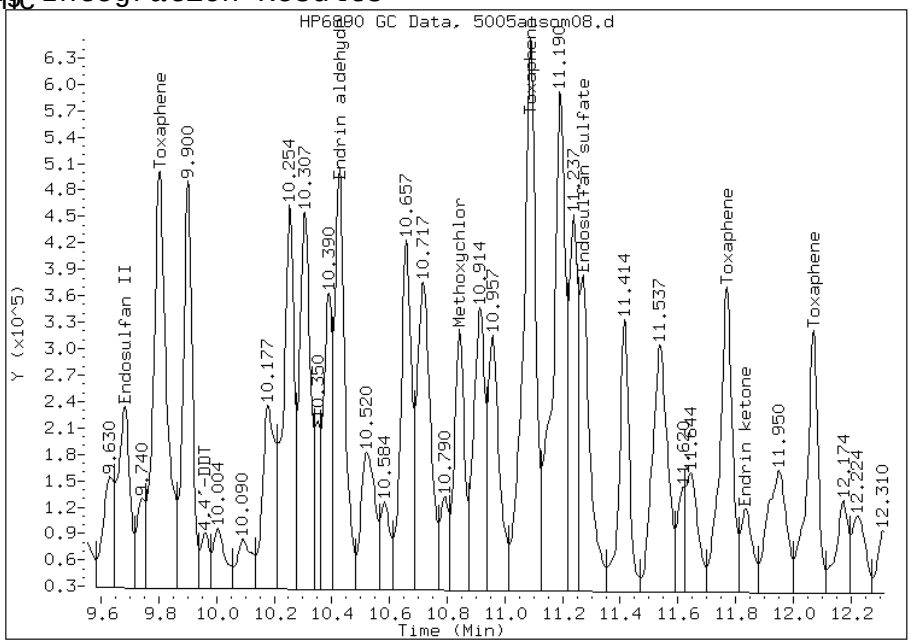
Manual Integration Report

Data File: 5005atsom08.d
Lab Sample ID: IC-525153
Inj. Date and Time: 25-AUG-2013 19:56
Instrument ID: 5005_1.i
Client ID: TOXAPH3D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
9.80	473130*	2.04
10.43	477065*	2.06
11.09	628266*	2.11
11.77	346277*	2.04
12.07	297586*	2.04

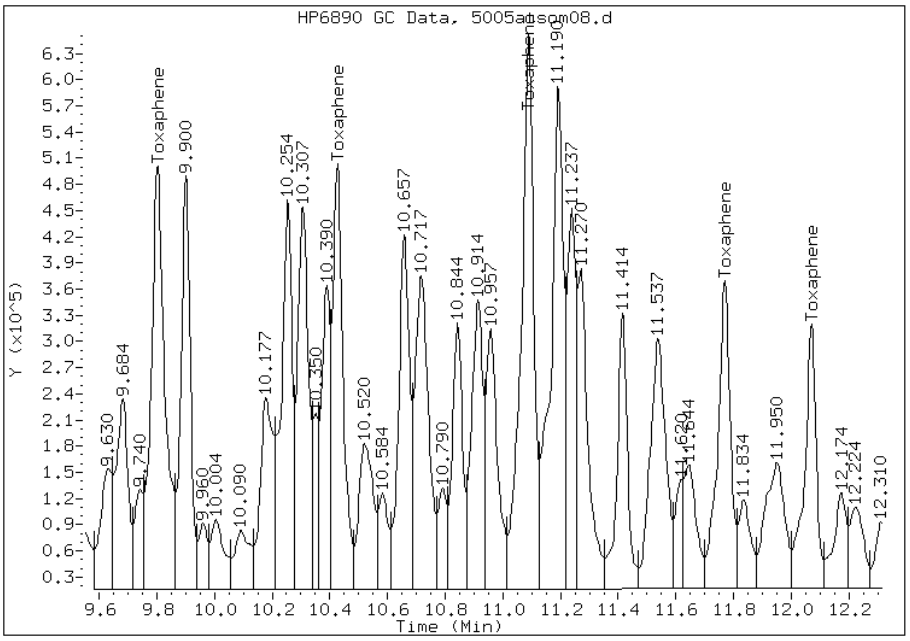
Final Conc		2.06



Manual Integration Results

RT	Response	Conc
9.80	485318*	2.10
10.43	487453*	2.10
11.09	636677*	2.13
11.77	352661*	2.08
12.07	303076*	2.07

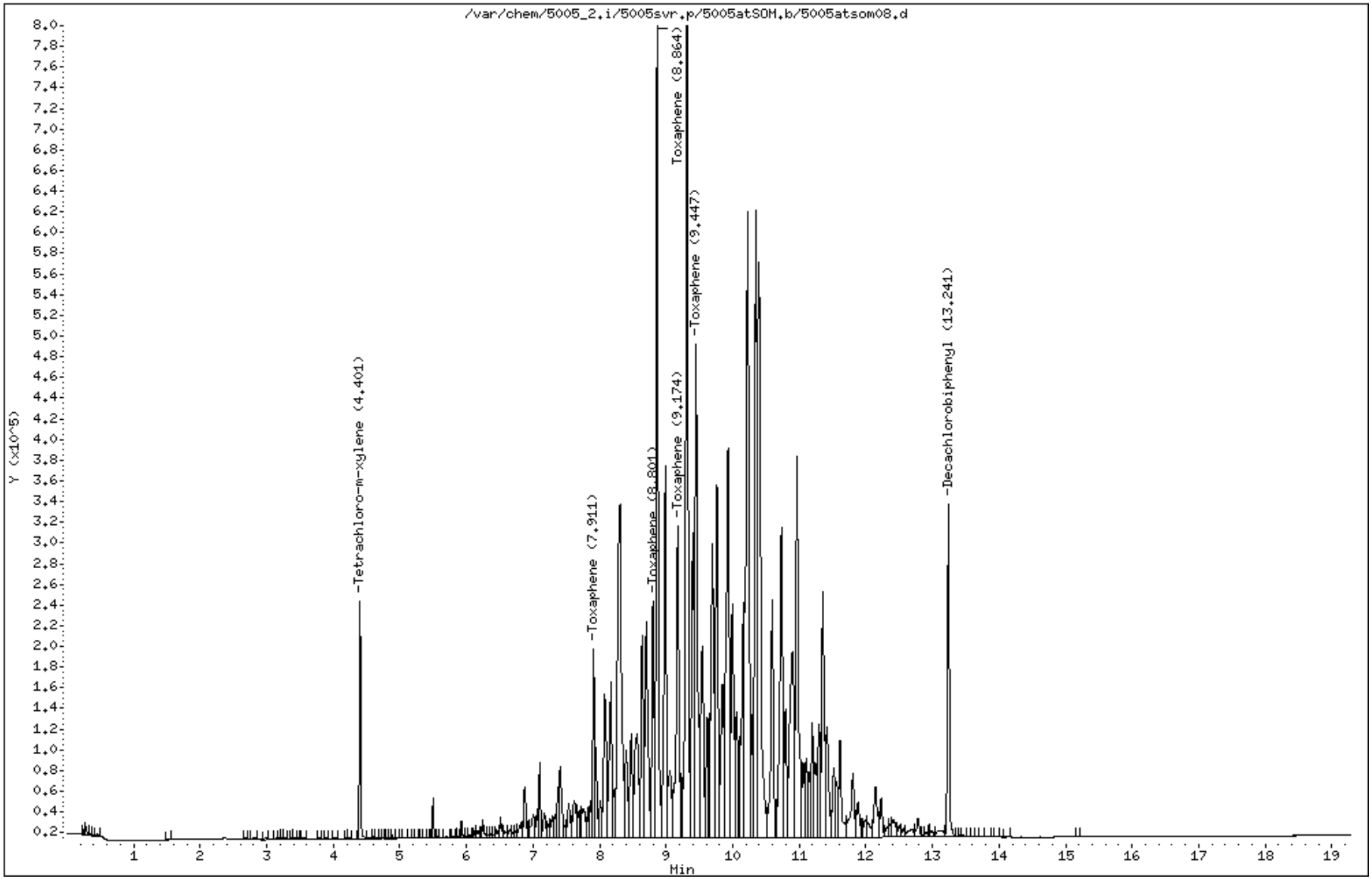
Final Conc		2.10



File Uploaded By: rrm
Manual Integration Reason: Baseline event

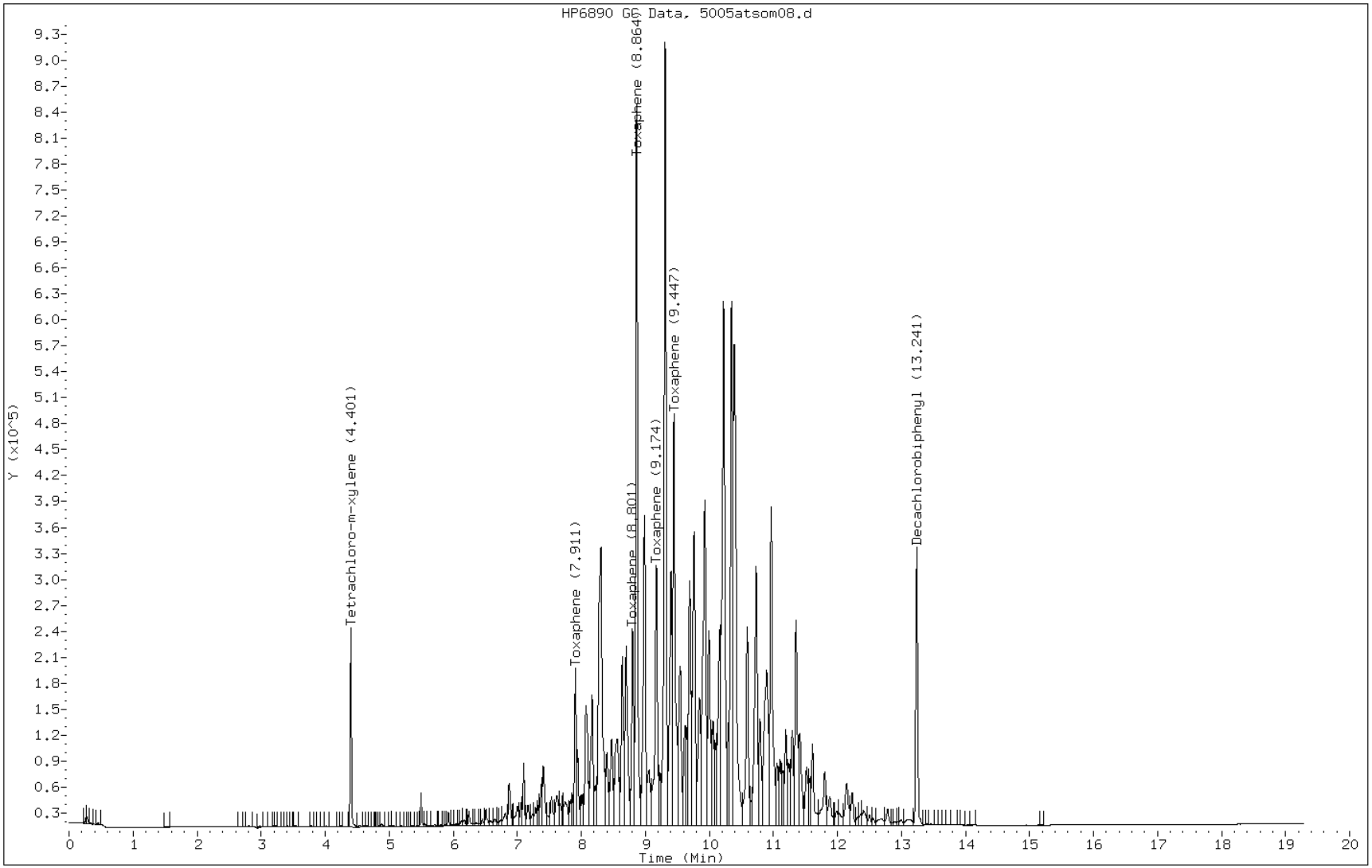
Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom08.d
Date : 25-AUG-2013 19:56
Client ID: TOXAPH3D1
Sample Info: IC-525153,1,TOXAPH3D1
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom08.d
Client ID: TOXAPH3D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525153,1,TOXAPH3D1

Date: 25-AUG-2013 19:56
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom08.d
Lab Smp Id: IC-525153 Client Smp ID: TOXAPH3D1
Inj Date : 25-AUG-2013 19:56
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525153,1,TOXAPH3D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 21:50 Cal File: 5005atsom13.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene					CAS #: 8001-35-2			
7.911	7.910	0.001	182509	2.00000	2.073	80.00-	120.00	100.00
8.801	8.801	0.000	228139	2.00000	2.069	60.52-	100.52	125.00
8.864	8.865	-0.001	835332	2.00000	2.130	109.35-	149.35	457.69
9.174	9.175	-0.001	300548	2.00000	2.085	83.28-	123.28	164.68
9.447	9.449	-0.002	476382	2.00000	2.100	59.18-	99.18	261.02
Average of Peak Amounts =					2.091			
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.401	4.402	-0.001	229997	0.02000	0.01902	80.00-	120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3			
13.241	13.241	0.000	321385	0.04000	0.03987	80.00-	120.00	100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom09.d

Date : 25-AUG-2013 20:19

Client ID: TOXAPH4D1

Instrument: 5005_1.i

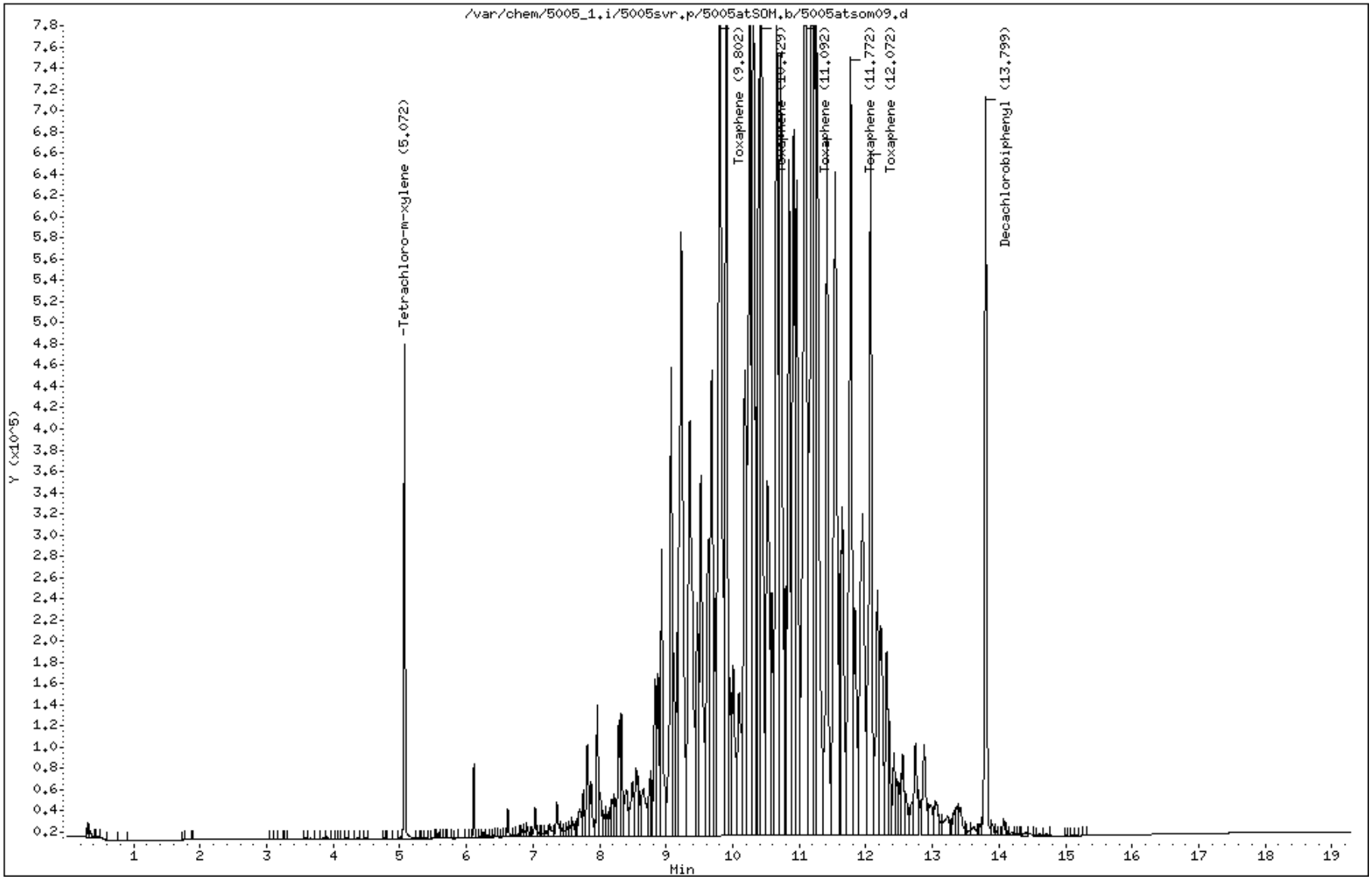
Sample Info: IC-525148,1,TOXAPH4D1

Volume Injected (uL): 1.0

Operator: RRM

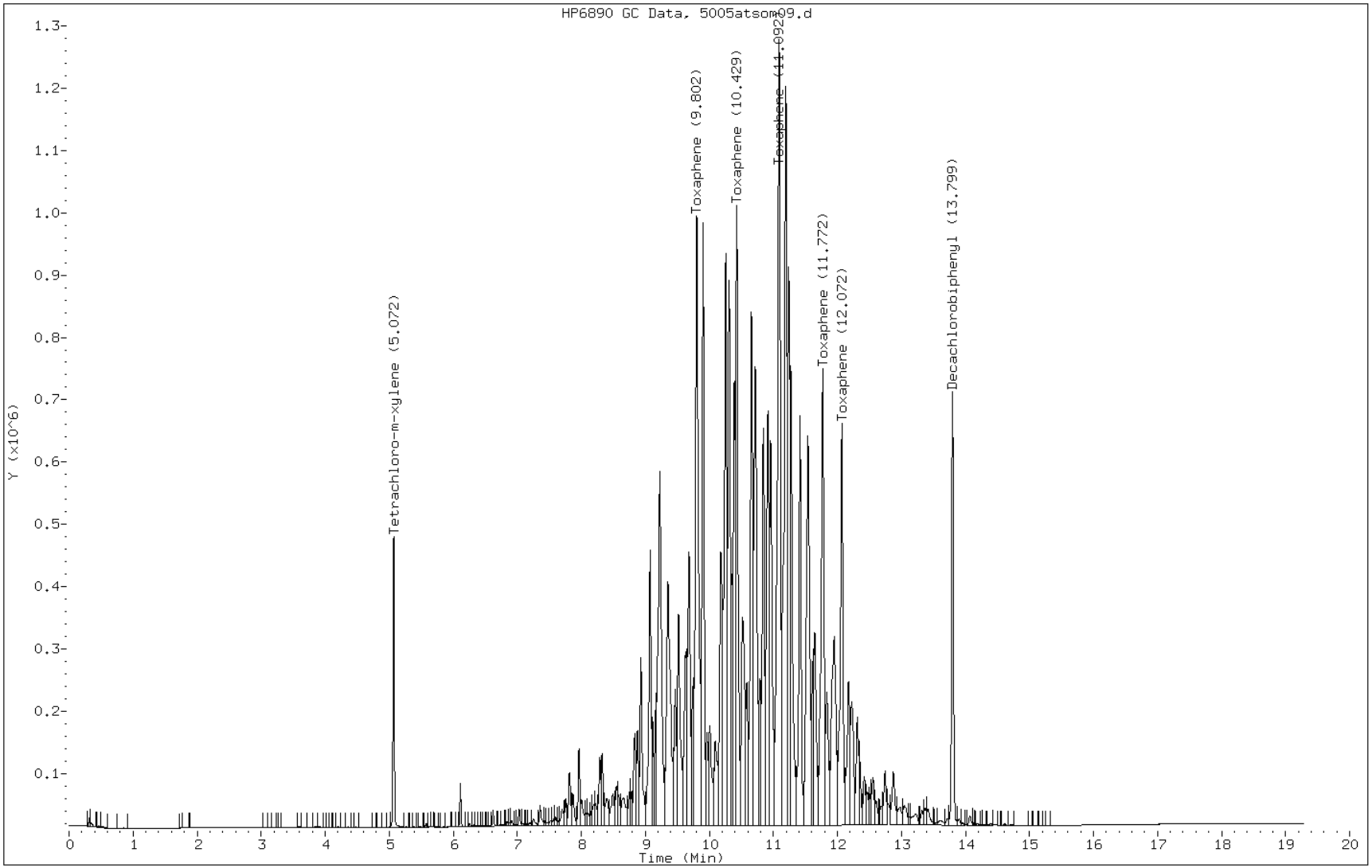
Column phase: RTX-CLP

Column diameter: 0.32



Data File: 5005atsom09.d
Client ID: TOXAPH4D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525148,1,TOXAPH4D1

Date: 25-AUG-2013 20:19
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom09.d
Lab Smp Id: IC-525148 Client Smp ID: TOXAPH4D1
Inj Date : 25-AUG-2013 20:19
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525148,1,TOXAPH4D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene					CAS #: 8001-35-2			
9.802	9.801	0.001	978202	4.00000	4.228	80.00-	120.00	100.00(M)
10.429	10.429	0.000	994592	4.00000	4.285	60.52-	100.52	101.68
11.092	11.090	0.002	1260913	4.00000	4.228	109.35-	149.35	128.90
11.772	11.770	0.002	732423	4.00000	4.318	83.28-	123.28	74.87
12.072	12.070	0.002	644632	4.00000	4.409	59.18-	99.18	65.90
Average of Peak Amounts =					4.293			
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.072	5.070	0.002	466318	0.04000	0.03775	80.00-	120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3			
13.799	13.798	0.001	695582	0.08000	0.08382	80.00-	120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

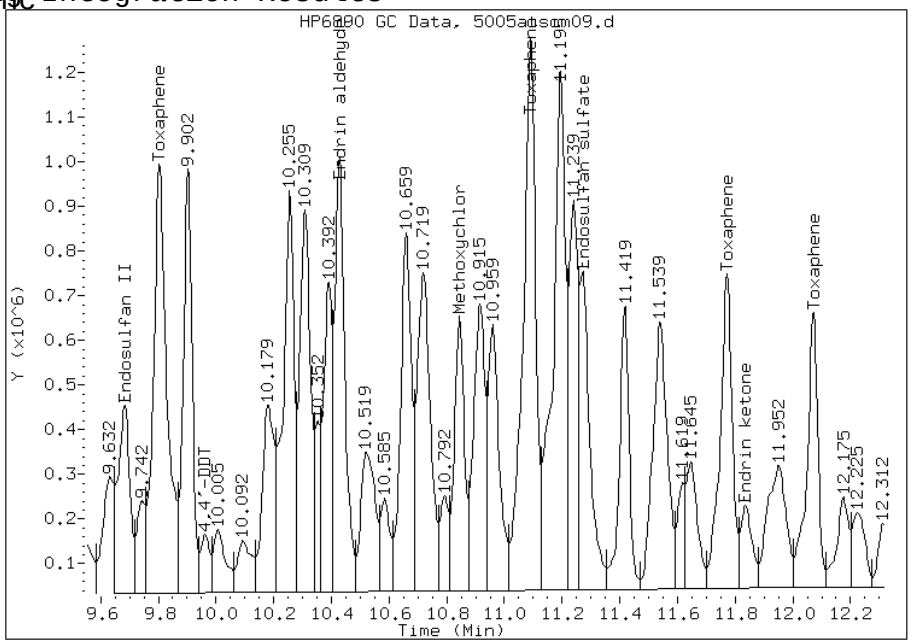
Manual Integration Report

Data File: 5005atsom09.d
Lab Sample ID: IC-525148
Inj. Date and Time: 25-AUG-2013 20:19
Instrument ID: 5005_1.i
Client ID: TOXAPH4D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
9.80	961145*	4.15
10.43	974080*	4.20
11.09	1237259*	4.15
11.77	704557*	4.15
12.07	615021*	4.21

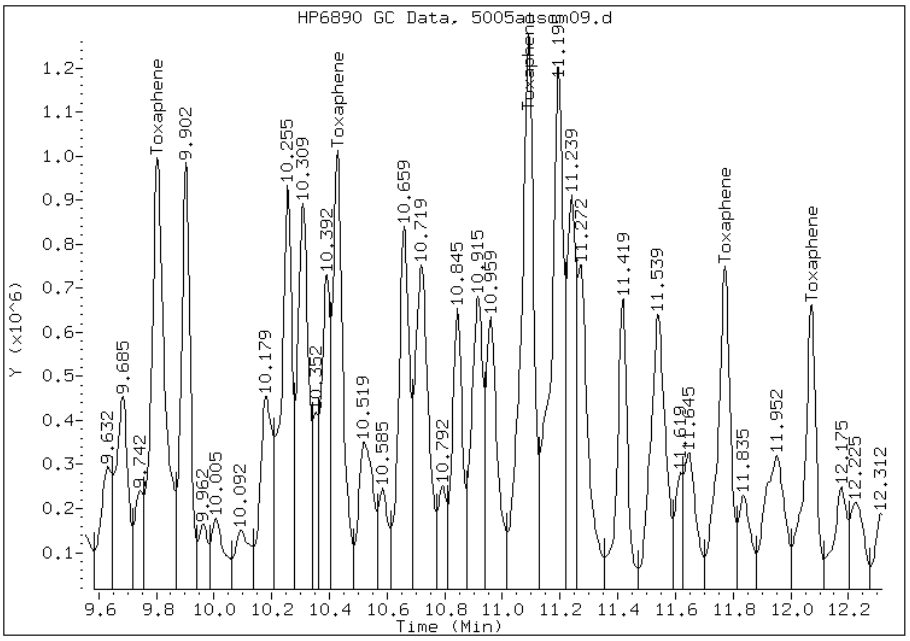
Final Conc		4.17



Manual Integration Results

RT	Response	Conc
9.80	978202*	4.23
10.43	994592*	4.28
11.09	1260913*	4.23
11.77	732423*	4.32
12.07	644632*	4.41

Final Conc		4.29



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom09.d

Page 1

Date : 25-AUG-2013 20:19

Client ID: TOXAPH4D1

Instrument: 5005_2.i

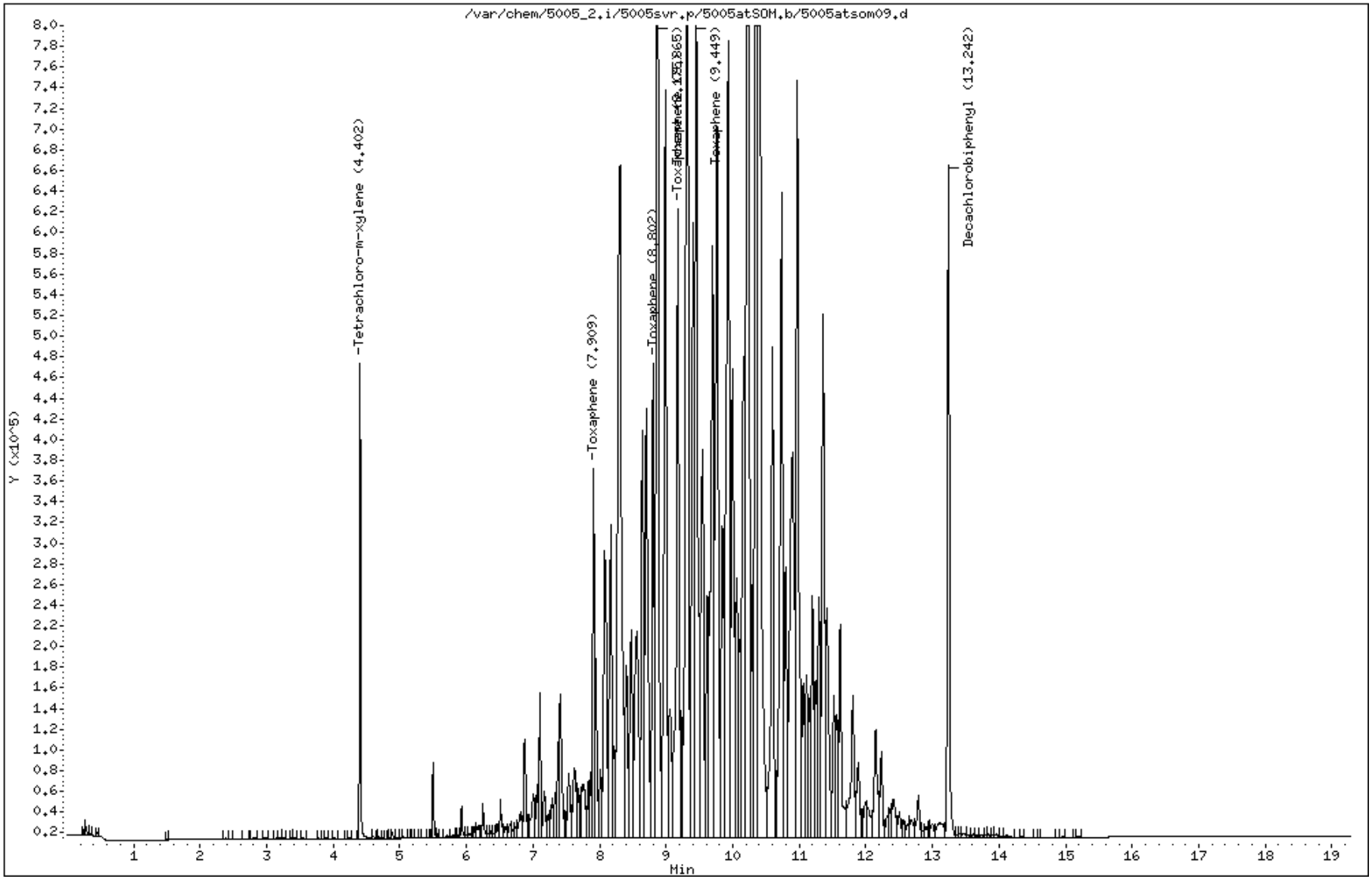
Sample Info: IC-525148,1,TOXAPH4D1

Volume Injected (uL): 1.0

Operator: RRM

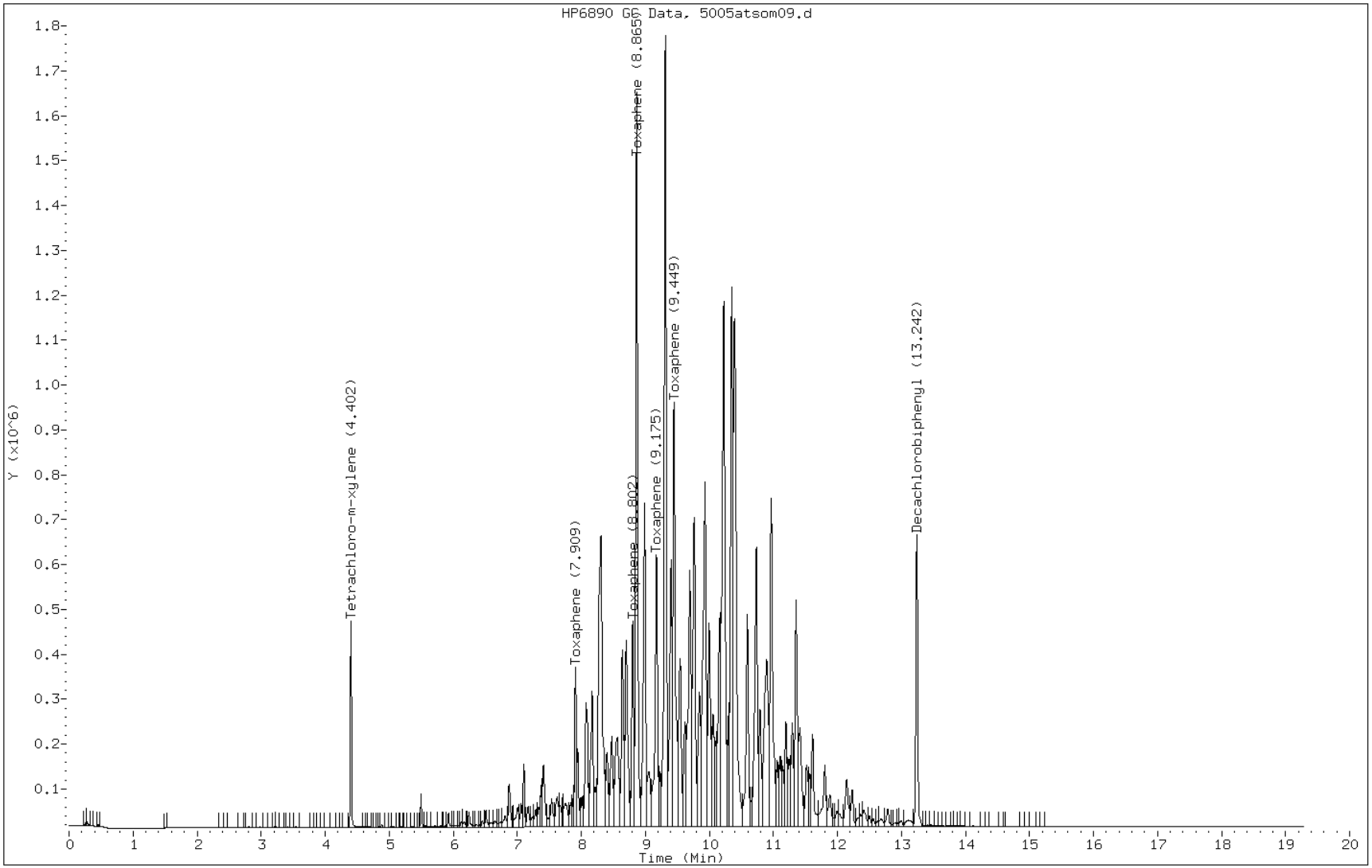
Column phase: RTX-CLPII

Column diameter: 0.32



Data File: 5005atsom09.d
Client ID: TOXAPH4D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525148,1,TOXAPH4D1

Date: 25-AUG-2013 20:19
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom09.d
Lab Smp Id: IC-525148 Client Smp ID: TOXAPH4D1
Inj Date : 25-AUG-2013 20:19
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525148,1,TOXAPH4D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:12 Cal File: 5005atsom14.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

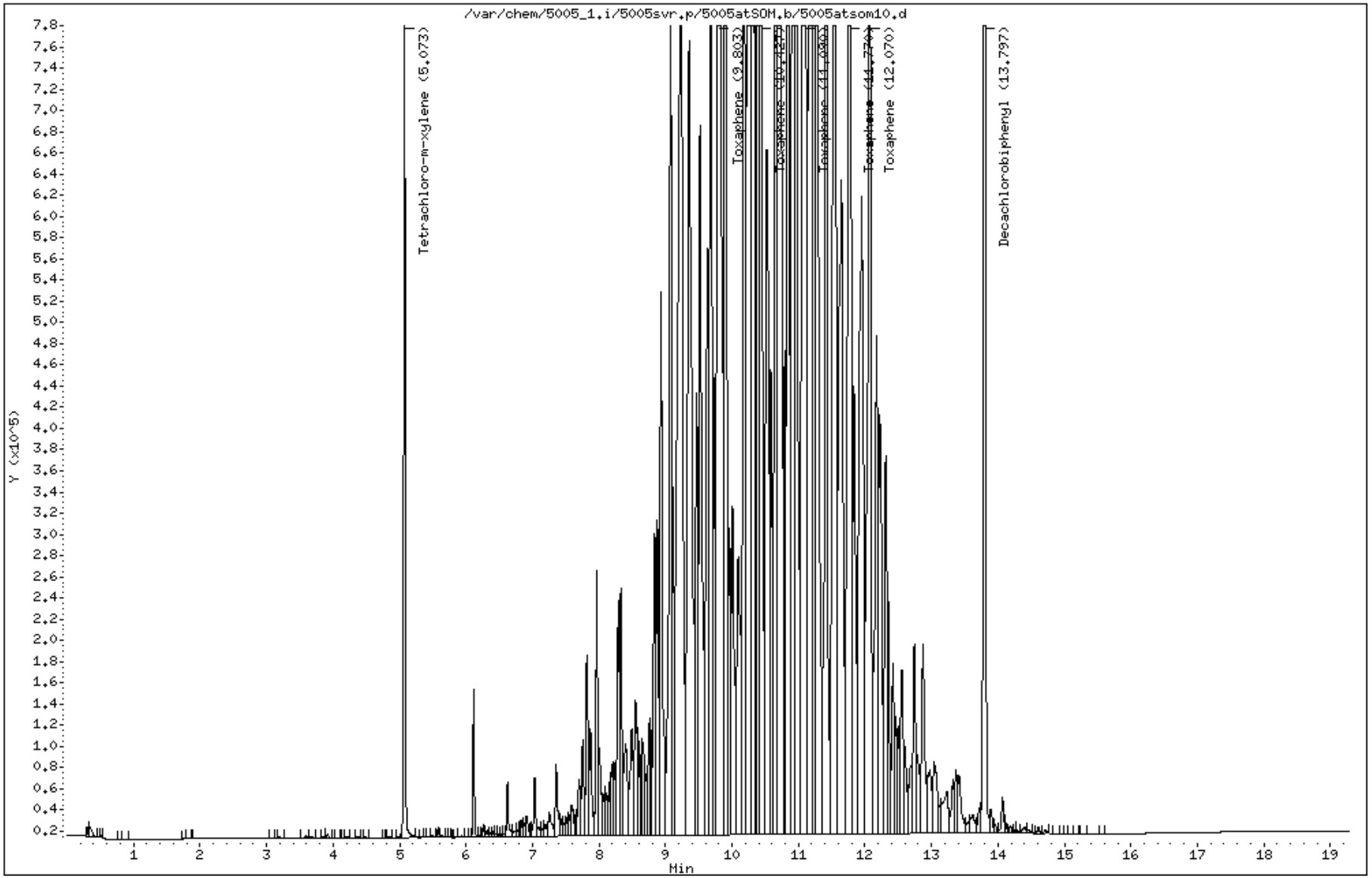
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene						CAS #: 8001-35-2		
7.909	7.910	-0.001	356784	4.00000	4.053	80.00- 120.00		100.00
8.802	8.801	0.001	458701	4.00000	4.160	60.52- 100.52		128.57
8.865	8.865	0.000	1638115	4.00000	4.177	109.35- 149.35		459.13
9.175	9.175	0.000	607005	4.00000	4.210	83.28- 123.28		170.13
9.449	9.449	0.000	946986	4.00000	4.174	59.18- 99.18		265.42
		Average of Peak Amounts =			4.155			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
4.402	4.402	0.000	458836	0.04000	0.03794	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.242	13.241	0.001	649932	0.08000	0.08063	80.00- 120.00		100.00

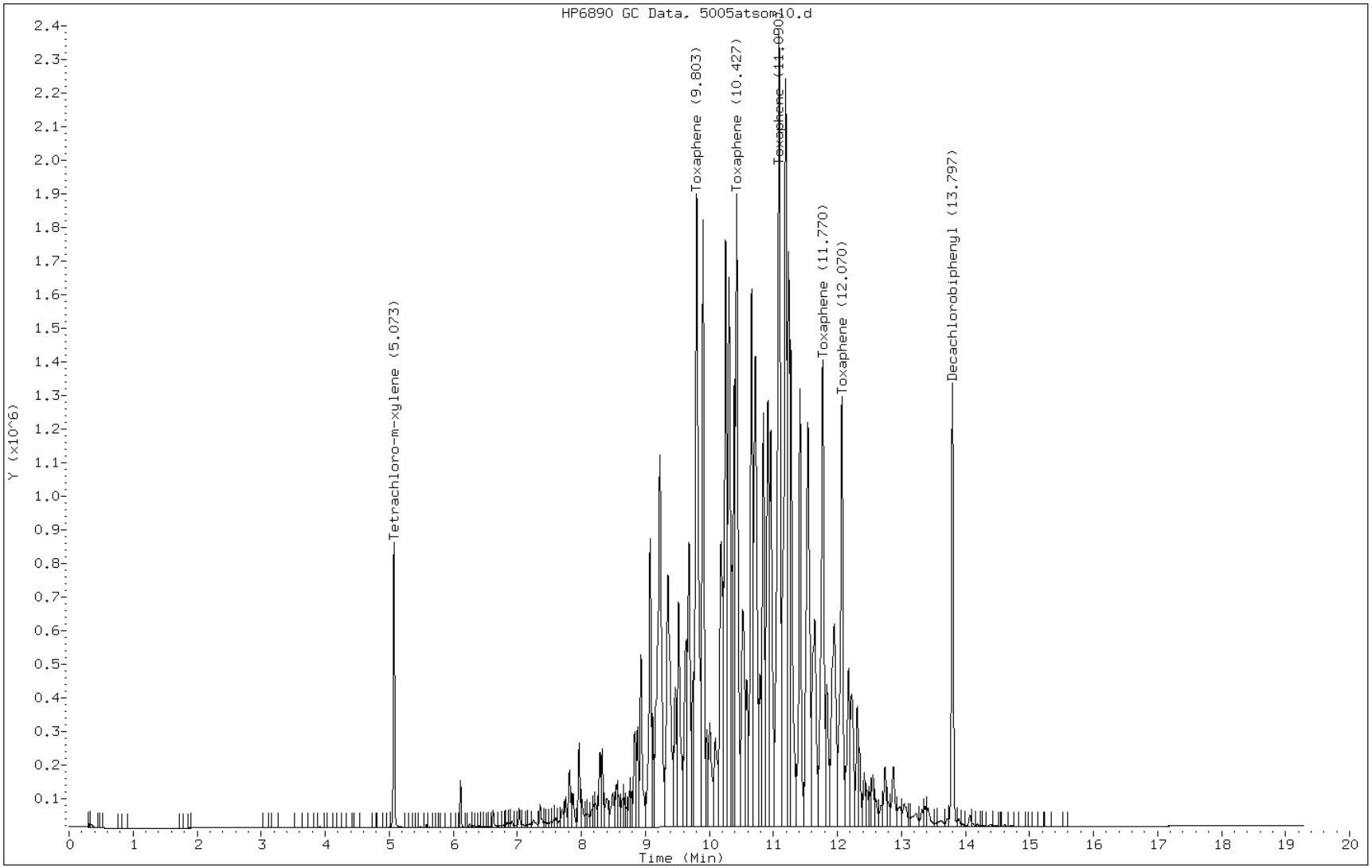
Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom10.d
Date : 25-AUG-2013 20:42
Client ID: TOXAPH5D1
Sample Info: IC-525113,1,TOXAPH5D1
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atsom10.d
Client ID: TOXAPH5D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: IC-525113,1,TOXAPH5D1

Date: 25-AUG-2013 20:42
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom10.d
Lab Smp Id: IC-525113 Client Smp ID: TOXAPH5D1
Inj Date : 25-AUG-2013 20:42
Operator : RRM Inst ID: 5005_1.i
Smp Info : IC-525113,1,TOXAPH5D1
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
9.803	9.801	0.002	1882487	8.00000	8.136	80.00- 120.00	100.00(A)
10.427	10.429	-0.002	1883759	8.00000	8.116	60.52- 100.52	100.07
11.090	11.090	0.000	2369722	8.00000	7.945	109.35- 149.35	125.88
11.770	11.770	0.000	1388099	8.00000	8.184	83.28- 123.28	73.74
12.070	12.070	0.000	1278563	8.00000	8.744	59.18- 99.18	67.92
		Average of Peak Amounts =			8.225		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.073	5.070	0.003	848744	0.08000	0.06870	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.797	13.798	-0.001	1320003	0.16000	0.1591	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom10.d

Page 1

Date : 25-AUG-2013 20:42

Client ID: TOXAPH5D1

Instrument: 5005_2.i

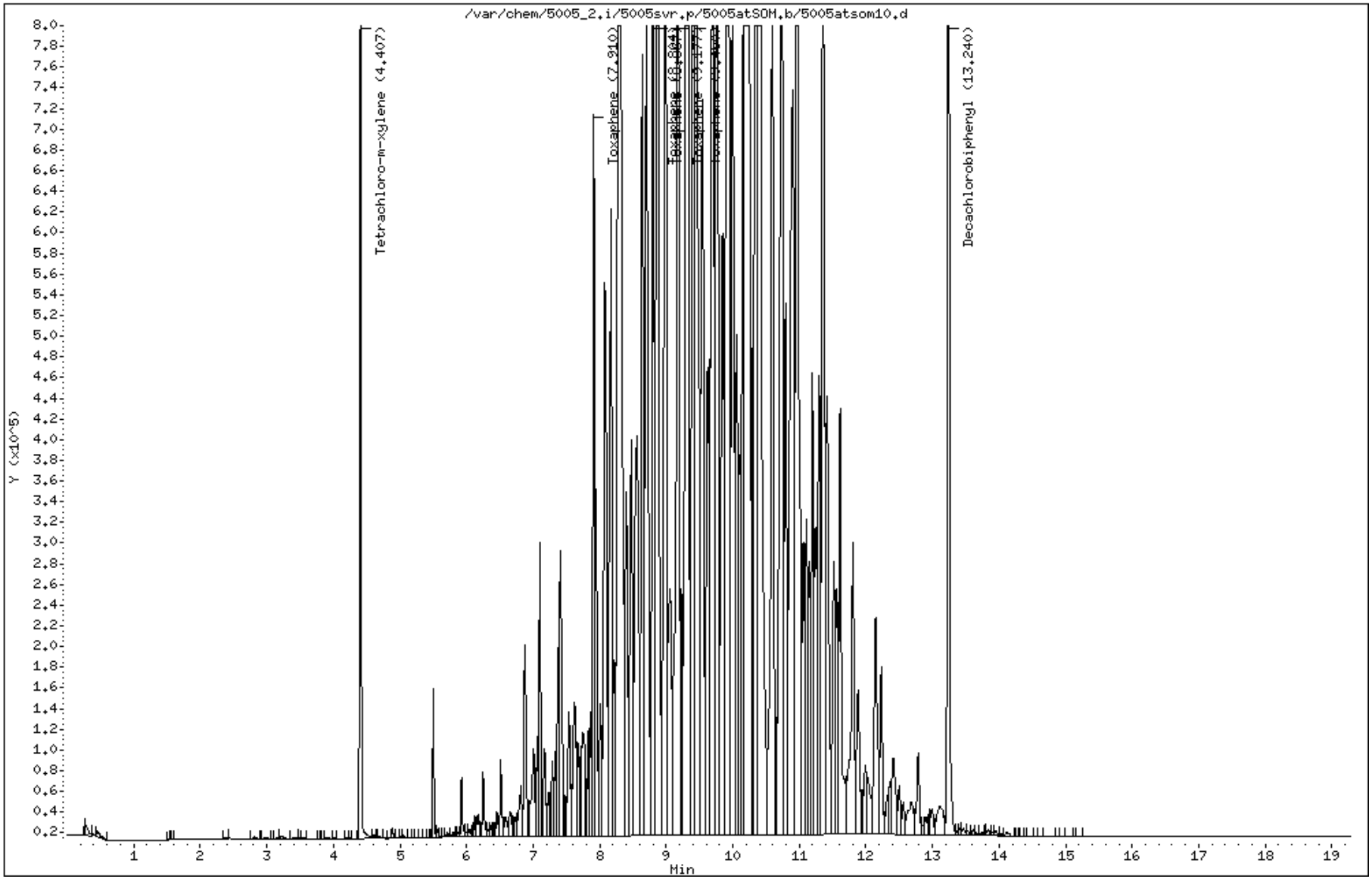
Sample Info: IC-525113,1,TOXAPH5D1

Volume Injected (uL): 1.0

Operator: RRM

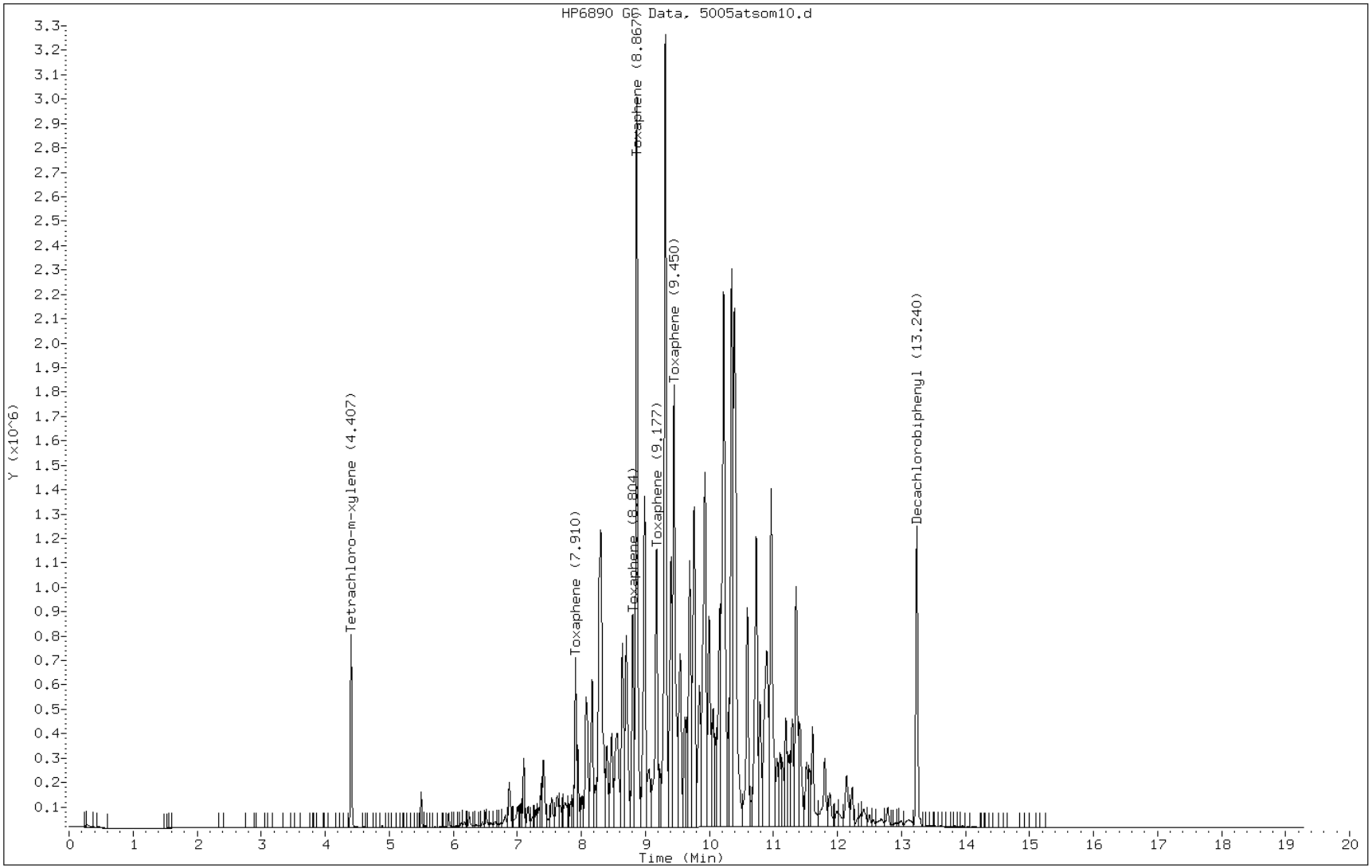
Column phase: RTX-CLPII

Column diameter: 0.32



Data File: 5005atsom10.d
Client ID: TOXAPH5D1
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: IC-525113,1,TOXAPH5D1

Date: 25-AUG-2013 20:42
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom10.d
Lab Smp Id: IC-525113 Client Smp ID: TOXAPH5D1
Inj Date : 25-AUG-2013 20:42
Operator : RRM Inst ID: 5005_2.i
Smp Info : IC-525113,1,TOXAPH5D1
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	==========		=====
23 Toxaphene						CAS #: 8001-35-2		
7.910	7.910	0.000	696938	8.00000	7.917	80.00- 120.00		100.00(M)
8.804	8.801	0.003	873479	8.00000	7.921	60.52- 100.52		125.33
8.867	8.865	0.002	2989949	8.00000	7.624	109.35- 149.35		429.01
9.177	9.175	0.002	1137288	8.00000	7.888	83.28- 123.28		163.18
9.450	9.449	0.001	1811915	8.00000	7.987	59.18- 99.18		259.98
		Average of Peak Amounts =			7.867			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
4.407	4.402	0.005	791694	0.08000	0.06546	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.240	13.241	-0.001	1233733	0.16000	0.1531	80.00- 120.00		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

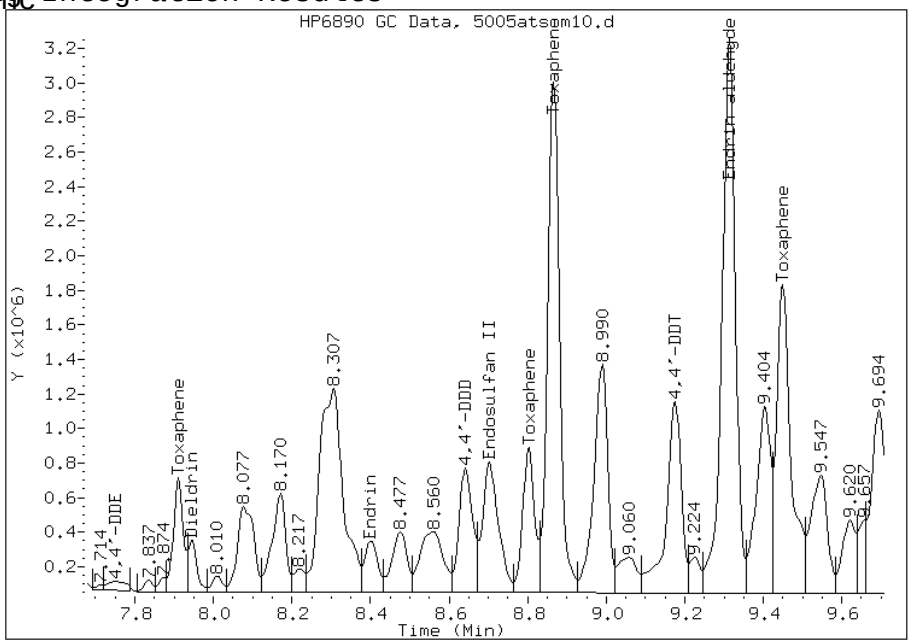
Manual Integration Report

Data File: 5005atsom10.d
Lab Sample ID: IC-525113
Inj. Date and Time: 25-AUG-2013 20:42
Instrument ID: 5005_2.i
Client ID: TOXAPH5D1
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/28/2013

Processing Integration Results

RT	Response	Conc
7.91	658341*	7.48
8.80	840796*	7.62
8.87	2957687*	7.54
9.18	1107094*	7.68
9.45	1783623*	7.86

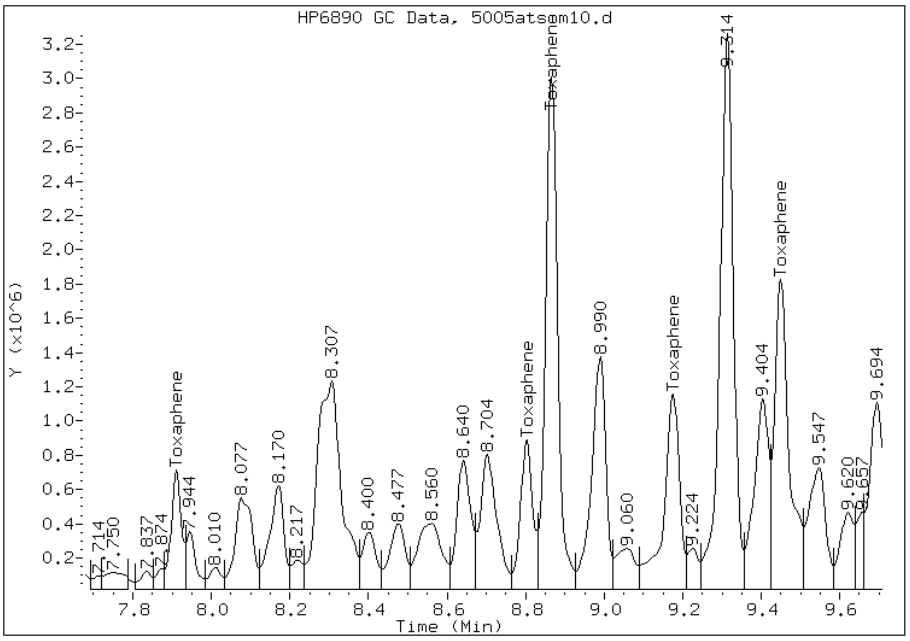
Final Conc		7.64



Manual Integration Results

RT	Response	Conc
7.91	696938*	7.92
8.80	873479*	7.92
8.87	2989949*	7.62
9.18	1137288*	7.89
9.45	1811915*	7.99

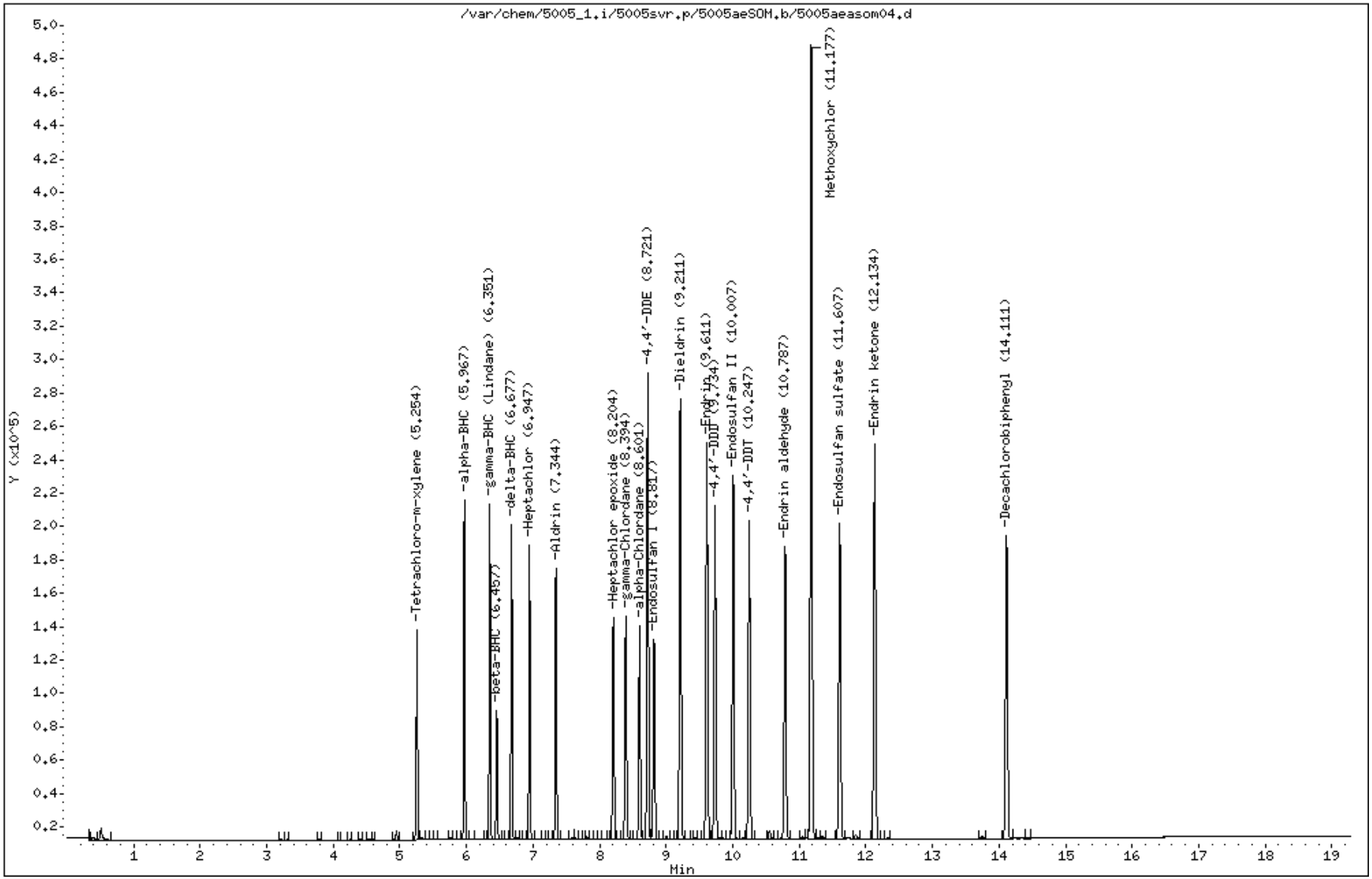
Final Conc		7.87



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aeasom04.d
Date : 05-MAR-2013 23:52
Client ID: INDC3FB
Sample Info: CCV-444300,1,INDC3FB
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: KTL
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aeasom04.d
Lab Smp Id: CCV-444300 Client Smp ID: INDC3FB
Inj Date : 05-MAR-2013 23:52
Operator : KTL Inst ID: 5005_1.i
Smp Info : CCV-444300,1,INDC3FB
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:54 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 22:21 Cal File: 5005aesom18.d
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

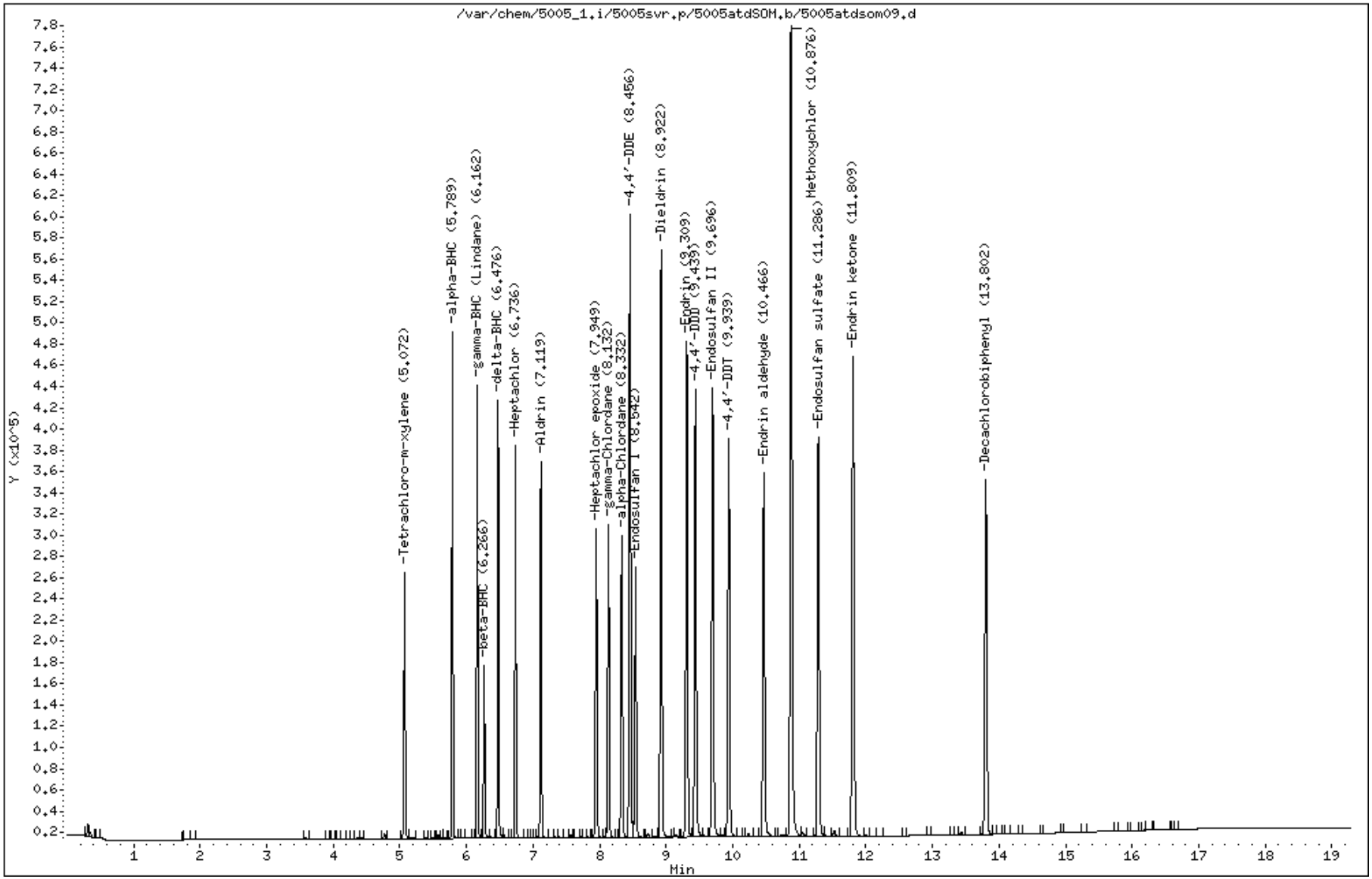
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 319-84-6	
5.254	5.254	0.000	125419	0.02000	0.01902	80.00- 120.00	100.00
2 alpha-BHC						CAS #: 319-84-6	
5.967	5.969	-0.002	203394	0.02000	0.01942	80.00- 120.00	100.00
3 gamma-BHC (Lindane)						CAS #: 58-89-9	
6.351	6.350	0.001	200840	0.02000	0.01952	80.00- 120.00	100.00
4 beta-BHC						CAS #: 319-85-7	
6.457	6.459	-0.002	77265	0.02000	0.01883	80.00- 120.00	100.00
5 delta-BHC						CAS #: 319-86-8	
6.677	6.678	-0.001	188390	0.02000	0.01905	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.947	6.949	-0.002	176173	0.02000	0.01948	80.00- 120.00	100.00
7 Aldrin						CAS #: 309-00-2	
7.344	7.344	0.000	162075	0.02000	0.01874	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide						CAS #: 1024-57-3	
8.204	8.205	-0.001	133194	0.02000	0.01866	80.00- 120.00	100.00
9 gamma-Chlordane						CAS #: 5103-74-2	
8.394	8.394	0.000	133663	0.02000	0.01862	80.00- 120.00	100.00
10 alpha-Chlordane						CAS #: 5103-71-9	
8.601	8.600	0.001	128343	0.02000	0.01855	80.00- 120.00	100.00
11 4,4'-DDE						CAS #: 72-55-9	
8.721	8.721	0.000	279125	0.04000	0.03751	80.00- 120.00	100.00
12 Endosulfan I						CAS #: 959-98-8	
8.817	8.819	-0.002	119475	0.02000	0.01882	80.00- 120.00	100.00
13 Dieldrin						CAS #: 60-57-1	
9.211	9.211	0.000	263457	0.04000	0.03777	80.00- 120.00	100.00
14 Endrin						CAS #: 72-20-8	
9.611	9.610	0.001	237726	0.04000	0.03838	80.00- 120.00	100.00
15 4,4'-DDD						CAS #: 72-54-8	
9.734	9.733	0.001	199841	0.04000	0.03862	80.00- 120.00	100.00
16 Endosulfan II						CAS #: 33213-65-9	
10.007	10.009	-0.002	217778	0.04000	0.03893	80.00- 120.00	100.00
17 4,4'-DDT						CAS #: 50-29-3	
10.247	10.249	-0.002	190966	0.04000	0.04040	80.00- 120.00	100.00
18 Endrin aldehyde						CAS #: 7421-93-4	
10.787	10.789	-0.002	174966	0.04000	0.03866	80.00- 120.00	100.00
19 Methoxychlor						CAS #: 72-43-5	
11.177	11.180	-0.003	475557	0.20000	0.2029	80.00- 120.00	100.00
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.607	11.609	-0.002	189137	0.04000	0.03981	80.00- 120.00	100.00
21 Endrin ketone						CAS #: 53494-70-5	
12.134	12.134	0.000	236602	0.04000	0.04033	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.111	14.111	0.000	181655	0.04000	0.03676	80.00- 120.00	100.00

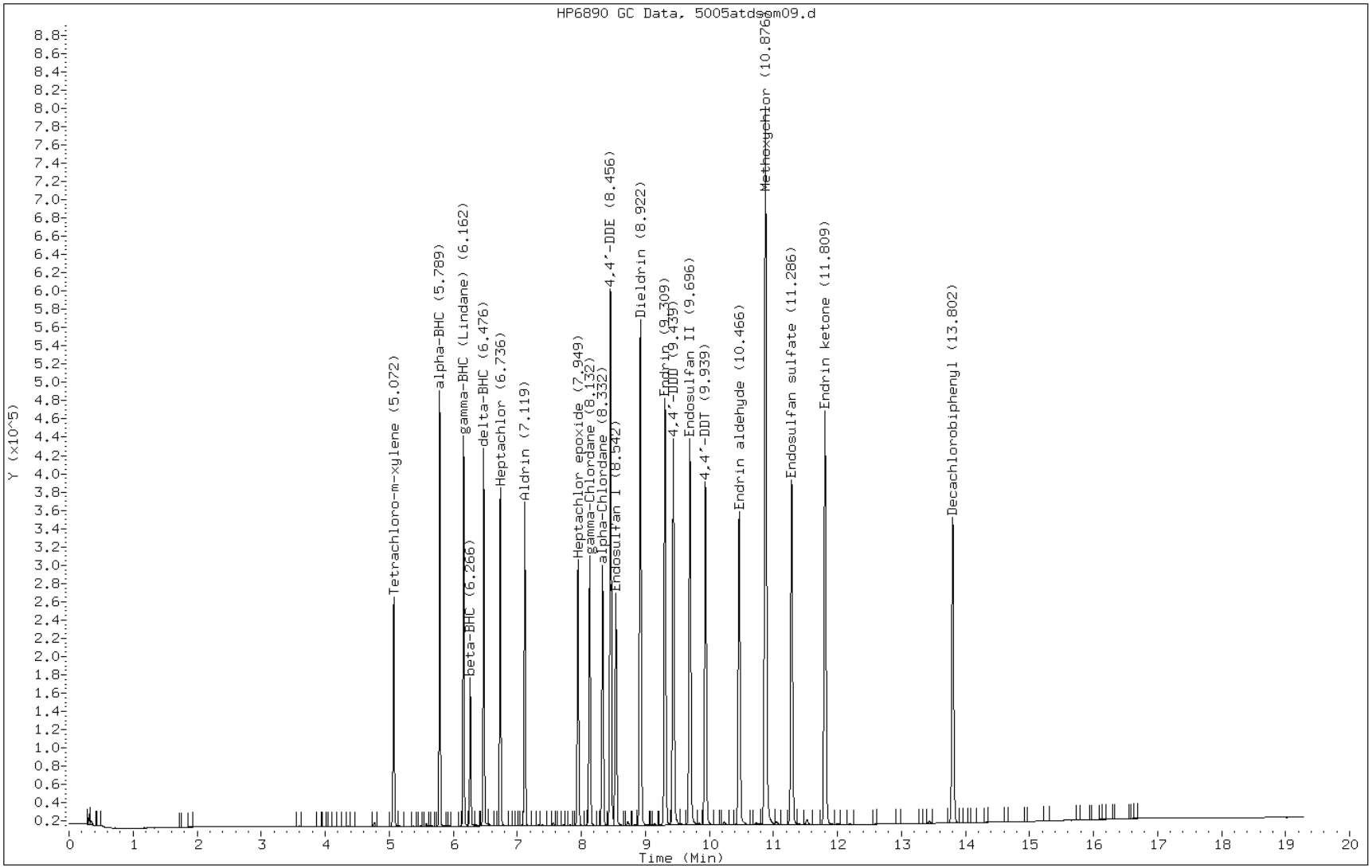
Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom09.d
Date : 28-AUG-2013 11:41
Client ID: INDC3D6
Sample Info: CCV-525174
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



Data File: 5005atdsom09.d
Client ID: INDC3D6
Operator: RRM
Column Type:
Stationary Phase: RTX-CLP
Sample Info: CCV-525174

Date: 28-AUG-2013 11:41
Instrument: 5005_1.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom09.d
Lab Smp Id: CCV-525174 Client Smp ID: INDC3D6
Inj Date : 28-AUG-2013 11:41
Operator : RRM Inst ID: 5005_1.i
Smp Info : CCV-525174
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

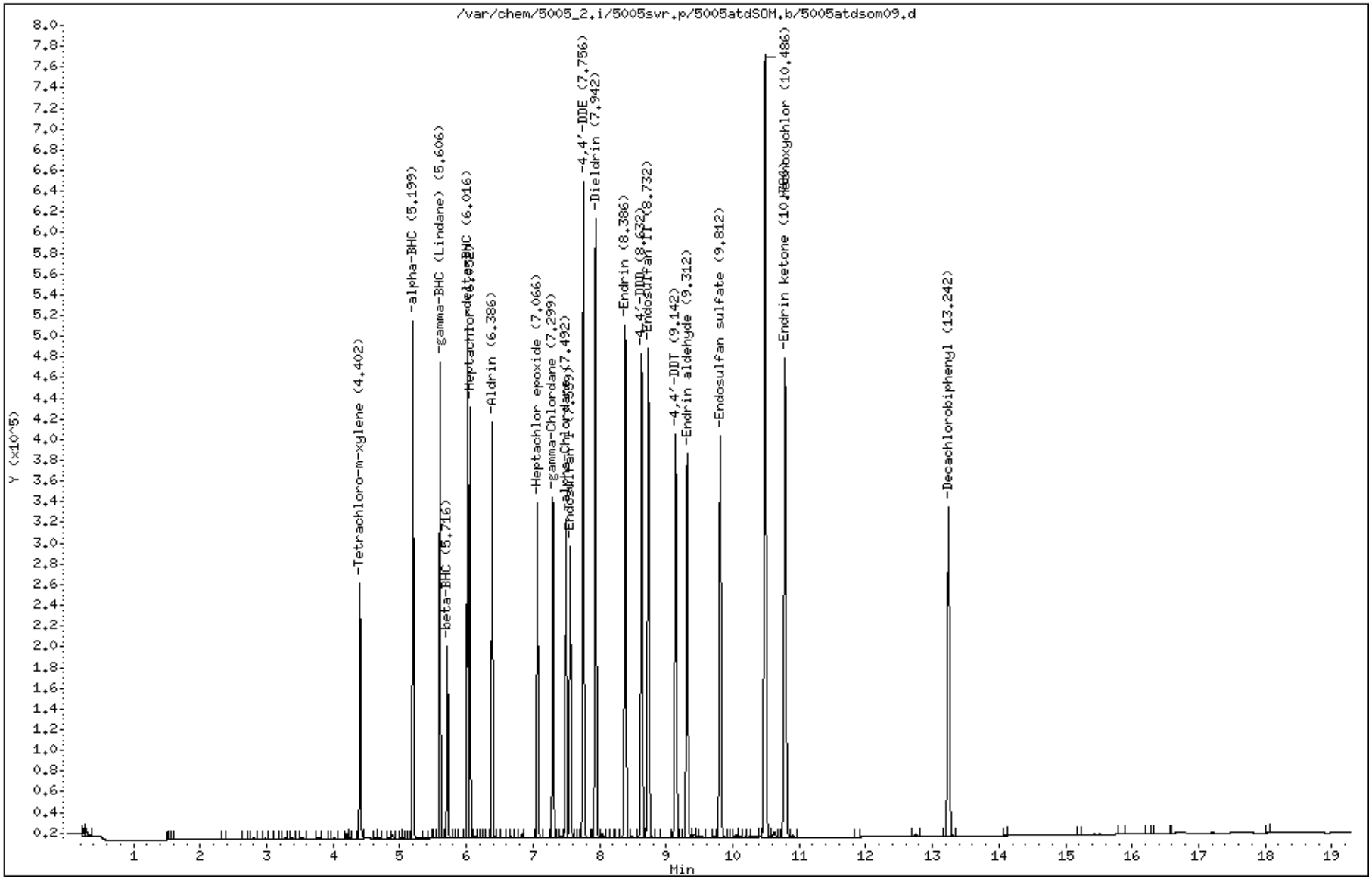
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	251342	0.02000	0.02034	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.789	5.789	0.000	476841	0.01000	0.02249	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.162	6.160	0.002	426998	0.01000	0.02133	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
6.266	6.264	0.002	162074	0.01000	0.02085	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.476	6.477	-0.001	412873	0.00000	0.02135	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.736	6.734	0.002	370425	0.00000	0.02171	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
7.119	7.118	0.001	354704	0.00000	0.02108	80.00- 120.00	100.00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.949	7.949	0.000	291085	0.00000	0.02163	80.00- 120.00	100.00
9 gamma-Chlordane					CAS #: 5103-74-2		
8.132	8.130	0.002	294666	0.00000	0.02108	80.00- 120.00	100.00
10 alpha-Chlordane					CAS #: 5103-71-9		
8.332	8.330	0.002	284544	0.00000	0.02129	80.00- 120.00	100.00
11 4,4'-DDE					CAS #: 72-55-9		
8.456	8.454	0.002	586978	0.00000	0.04119	80.00- 120.00	100.00
12 Endosulfan I					CAS #: 959-98-8		
8.542	8.540	0.002	254169	0.00000	0.02139	80.00- 120.00	100.00
13 Dieldrin					CAS #: 60-57-1		
8.922	8.920	0.002	553239	0.00000	0.04328	80.00- 120.00	100.00
14 Endrin					CAS #: 72-20-8		
9.309	9.308	0.001	467301	0.05000	0.04138	80.00- 120.00	100.00
15 4,4'-DDD					CAS #: 72-54-8		
9.439	9.438	0.001	422238	0.00000	0.04490	80.00- 120.00	100.00
16 Endosulfan II					CAS #: 33213-65-9		
9.696	9.691	0.005	422529	0.00000	0.04360	80.00- 120.00	100.00
17 4,4'-DDT					CAS #: 50-29-3		
9.939	9.939	0.000	374977	0.10000	0.04361	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.466	10.464	0.002	342484	0.00000	0.04398	80.00- 120.00	100.00
19 Methoxychlor					CAS #: 72-43-5		
10.876	10.874	0.002	785948	0.25000	0.2189	80.00- 120.00	100.00
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.286	11.281	0.005	376762	0.00000	0.04398	80.00- 120.00	100.00
21 Endrin ketone					CAS #: 53494-70-5		
11.809	11.804	0.005	452230	0.00000	0.04576	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.802	13.798	0.004	333954	0.02000	0.04024	80.00- 120.00	100.00

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom09.d
Date : 28-AUG-2013 11:41
Client ID: INDC3D6
Sample Info: CCV-525174
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom09.d
Lab Smp Id: CCV-525174 Client Smp ID: INDC3D6
Inj Date : 28-AUG-2013 11:41
Operator : RRM Inst ID: 5005_2.i
Smp Info : CCV-525174
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDC.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.402	4.402	0.000	246605	0.02000	0.02039	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.199	5.200	-0.001	500406	0.02000	0.02122	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.606	5.601	0.005	460008	0.02000	0.02114	80.00- 120.00	100.00
4 beta-BHC					CAS #: 319-85-7		
5.716	5.715	0.001	185034	0.02000	0.02114	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.016	6.019	-0.003	496084	0.02000	0.02119	80.00- 120.00	100.00
6 Heptachlor					CAS #: 76-44-8		
6.052	6.050	0.002	416781	0.02000	0.02139	80.00- 120.00	100.00
7 Aldrin					CAS #: 309-00-2		
6.386	6.389	-0.003	401524	0.02000	0.02129	80.00- 120.00	100.00

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
8 Heptachlor epoxide						CAS #: 1024-57-3		
7.066	7.061	0.005	323025	0.02000	0.02149	80.00- 120.00		100.00
9 gamma-Chlordane						CAS #: 5103-74-2		
7.299	7.300	-0.001	329194	0.02000	0.02163	80.00- 120.00		100.00
10 alpha-Chlordane						CAS #: 5103-71-9		
7.492	7.491	0.001	307877	0.02000	0.02126	80.00- 120.00		100.00
11 4,4'-DDE						CAS #: 72-55-9		
7.756	7.759	-0.003	634463	0.04000	0.04136	80.00- 120.00		100.00
12 Endosulfan I						CAS #: 959-98-8		
7.559	7.559	0.000	280786	0.02000	0.02142	80.00- 120.00		100.00
13 Dieldrin						CAS #: 60-57-1		
7.942	7.940	0.002	597991	0.04000	0.04278	80.00- 120.00		100.00
14 Endrin						CAS #: 72-20-8		
8.386	8.386	0.000	494707	0.04000	0.04197	80.00- 120.00		100.00
15 4,4'-DDD						CAS #: 72-54-8		
8.632	8.630	0.002	467973	0.04000	0.04553	80.00- 120.00		100.00
16 Endosulfan II						CAS #: 33213-65-9		
8.732	8.730	0.002	473048	0.04000	0.04424	80.00- 120.00		100.00
17 4,4'-DDT						CAS #: 50-29-3		
9.142	9.141	0.001	388896	0.04000	0.04172	80.00- 120.00		100.00
18 Endrin aldehyde						CAS #: 7421-93-4		
9.312	9.311	0.001	371315	0.04000	0.04381	80.00- 120.00		100.00
19 Methoxychlor						CAS #: 72-43-5		
10.486	10.485	0.001	756538	0.20000	0.2033	80.00- 120.00		100.00
20 Endosulfan sulfate						CAS #: 1031-07-8		
9.812	9.810	0.002	387393	0.04000	0.04332	80.00- 120.00		100.00
21 Endrin ketone						CAS #: 53494-70-5		
10.786	10.785	0.001	463327	0.04000	0.04582	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.242	13.241	0.001	318801	0.04000	0.03955	80.00- 120.00		100.00

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom10.d

Page 1

Date : 28-AUG-2013 15:30

Client ID: TOXAPH3D6

Instrument: 5005_1.i

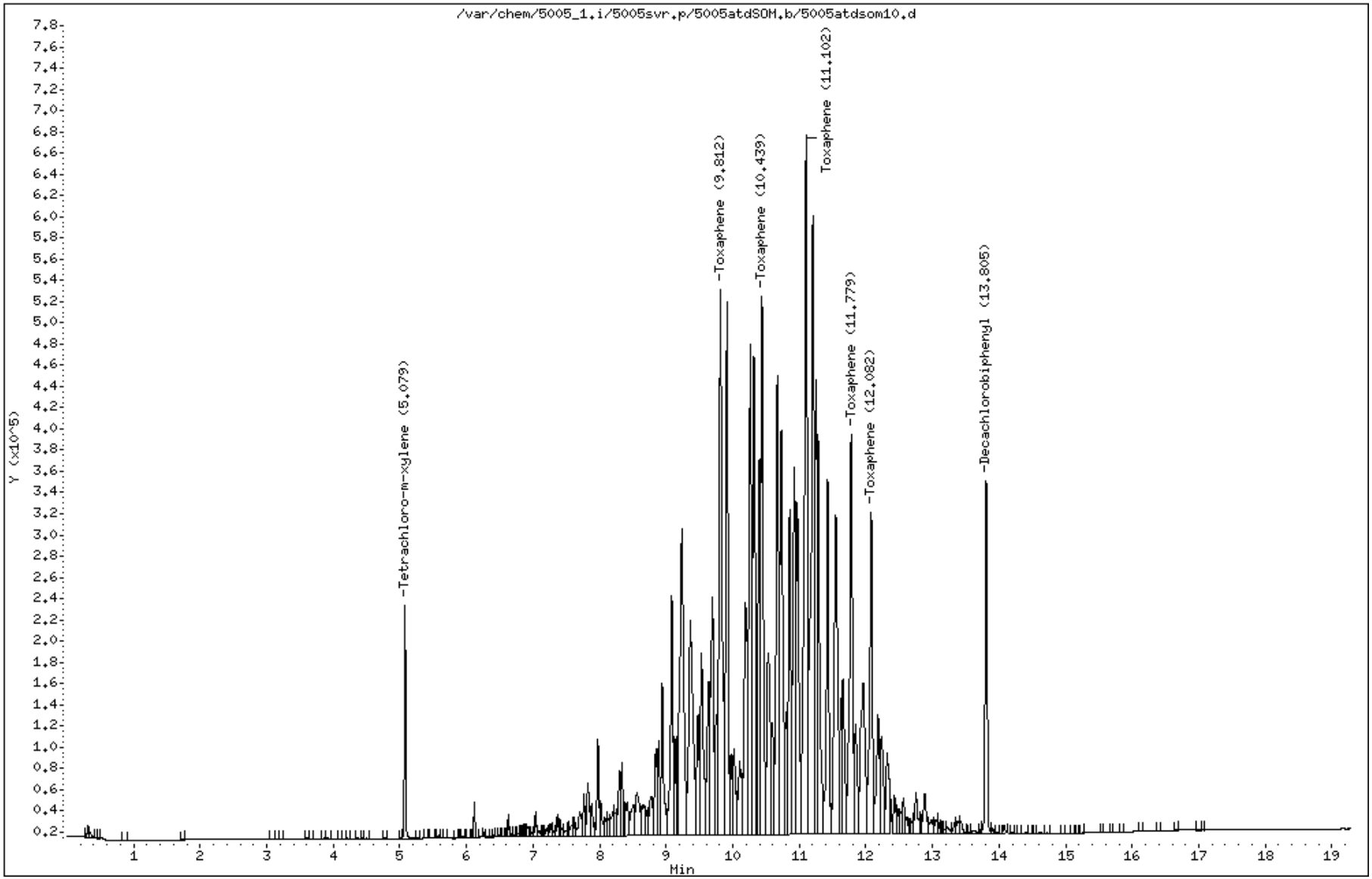
Sample Info: CCV-525153

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLP

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom10.d
Lab Smp Id: CCV-525153 Client Smp ID: TOXAPH3D6
Inj Date : 28-AUG-2013 15:30
Operator : RRM Inst ID: 5005_1.i
Smp Info : CCV-525153
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 13:22 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
23 Toxaphene						CAS #: 8001-35-2		
9.812	9.801	0.011	513671	2.00000	2.220	80.00- 120.00		100.00(M)
10.439	10.429	0.010	507480	2.00000	2.186	60.52- 100.52		98.79
11.102	11.090	0.012	658379	2.00000	2.207	109.35- 149.35		128.17
11.779	11.770	0.009	377008	2.00000	2.223	83.28- 123.28		73.39
12.082	12.070	0.012	302613	2.00000	2.070	59.18- 99.18		58.91
Average of Peak Amounts =					2.181			
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.079	5.070	0.009	220332	0.02000	0.01783	80.00- 120.00		100.00
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.805	13.798	0.007	332100	0.04000	0.04002	80.00- 120.00		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

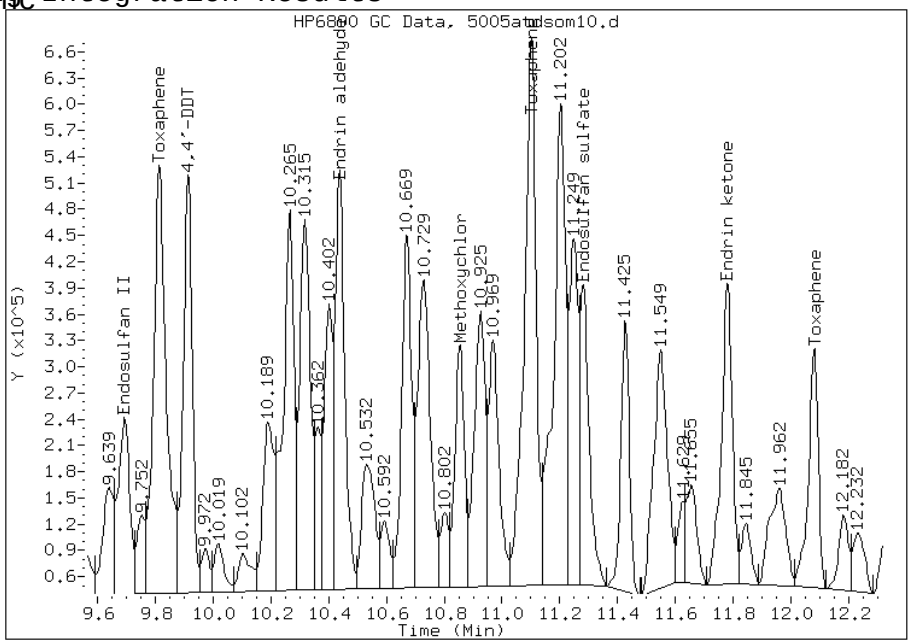
Manual Integration Report

Data File: 5005atdsom10.d
Lab Sample ID: CCV-525153
Inj. Date and Time: 28-AUG-2013 15:30
Instrument ID: 5005_1.i
Client ID: TOXAPH3D6
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/29/2013

Processing Integration Results

RT	Response	Conc
9.81	489700*	2.12
10.44	479319*	2.06
11.10	626410*	2.10
11.78	343834*	2.03
12.08	273706*	1.87

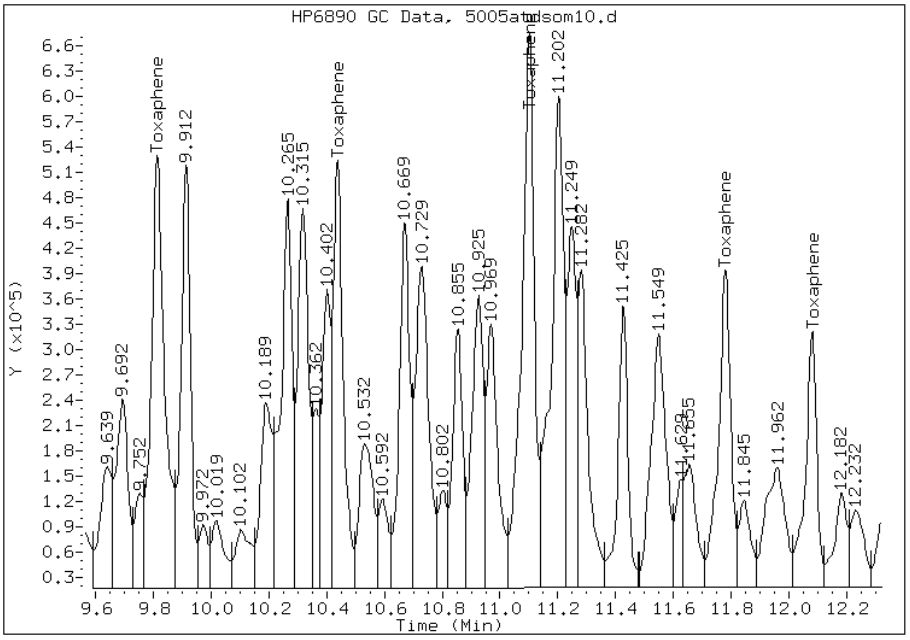
Final Conc		2.04



Manual Integration Results

RT	Response	Conc
9.81	513671*	2.22
10.44	507480*	2.19
11.10	658379*	2.21
11.78	377008*	2.22
12.08	302613*	2.07

Final Conc		2.18



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom10.d
Lab Sample ID: CCV-525153
Inj. Date and Time: 28-AUG-2013 15:30
Instrument ID: 5005_1.i
Client ID: TOXAPH3D6
Compound: 22 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/29/2013

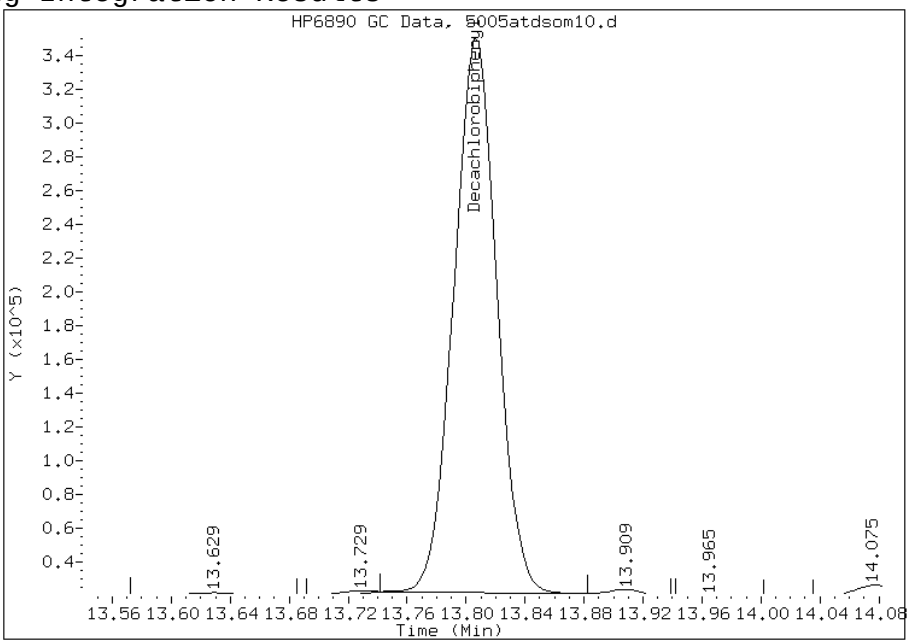
Processing Integration Results

RT: 13.81

Response: 329119

Amount: 0.039662

Conc: 0.039660



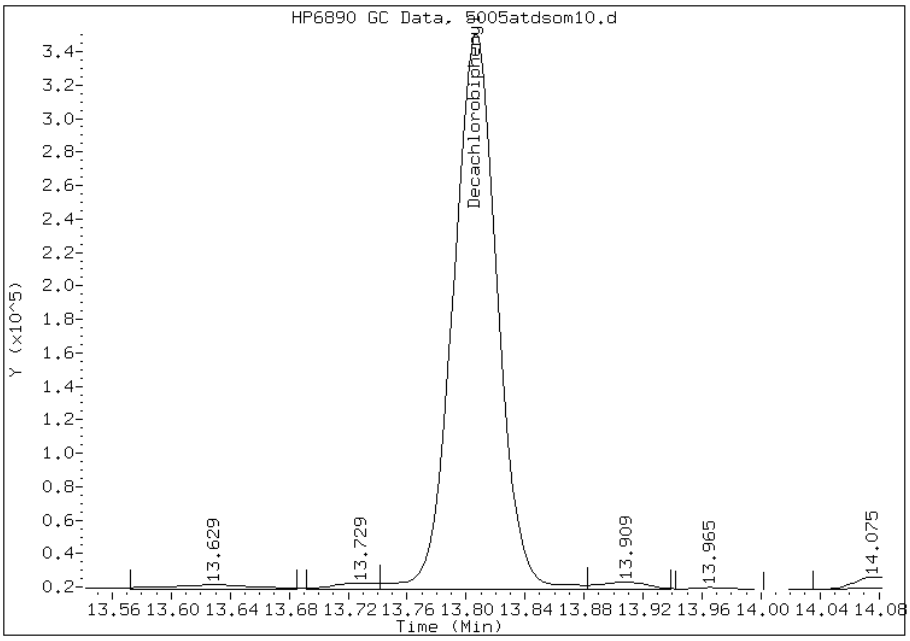
Manual Integration Results

RT: 13.81

Response: 332100

Amount: 0.040021

Conc: 0.040020



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom10.d

Page 1

Date : 28-AUG-2013 15:30

Client ID: TOXAPH3D6

Instrument: 5005_2.i

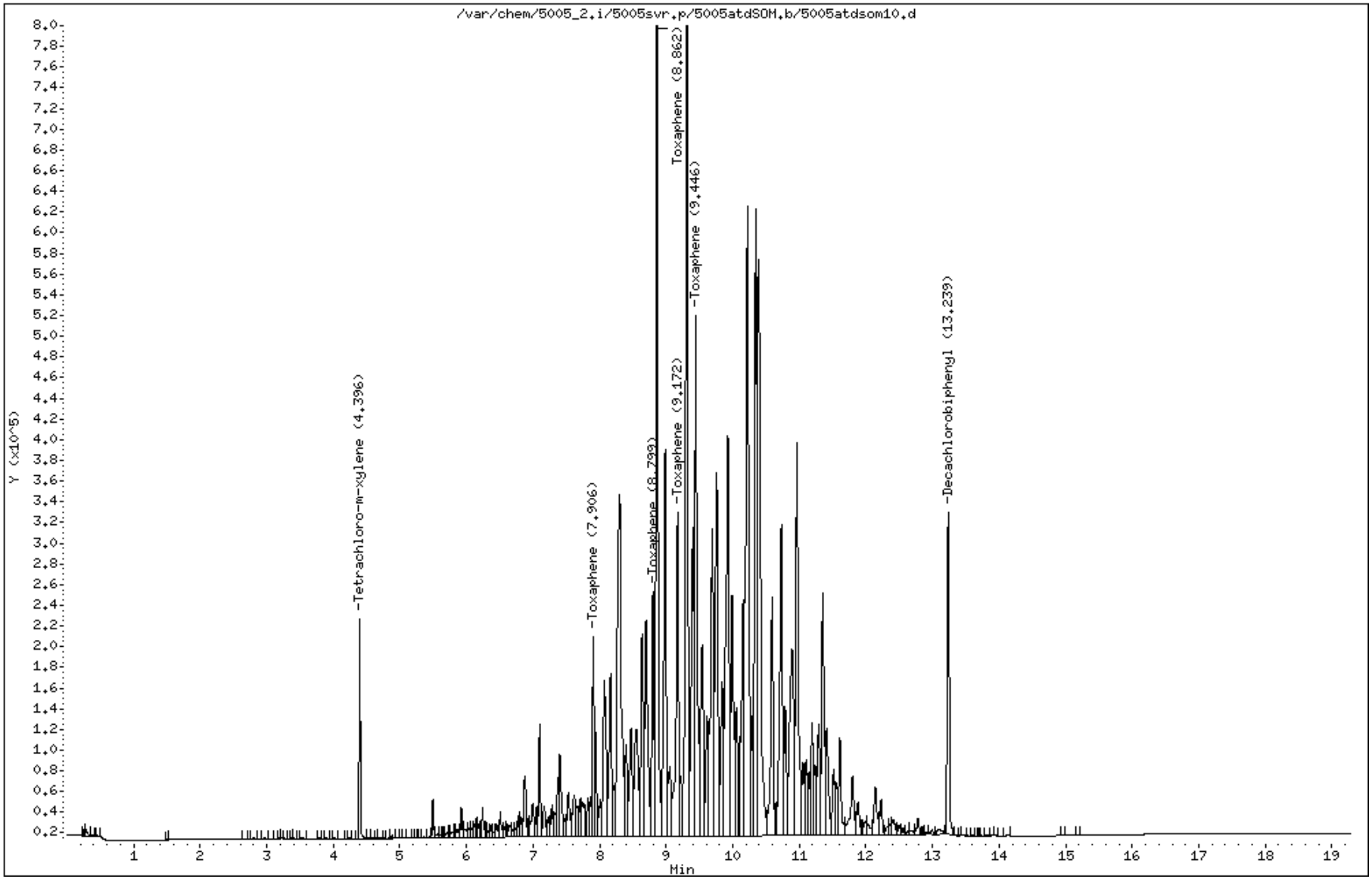
Sample Info: CCV-525153

Volume Injected (uL): 1.0

Operator: RRM

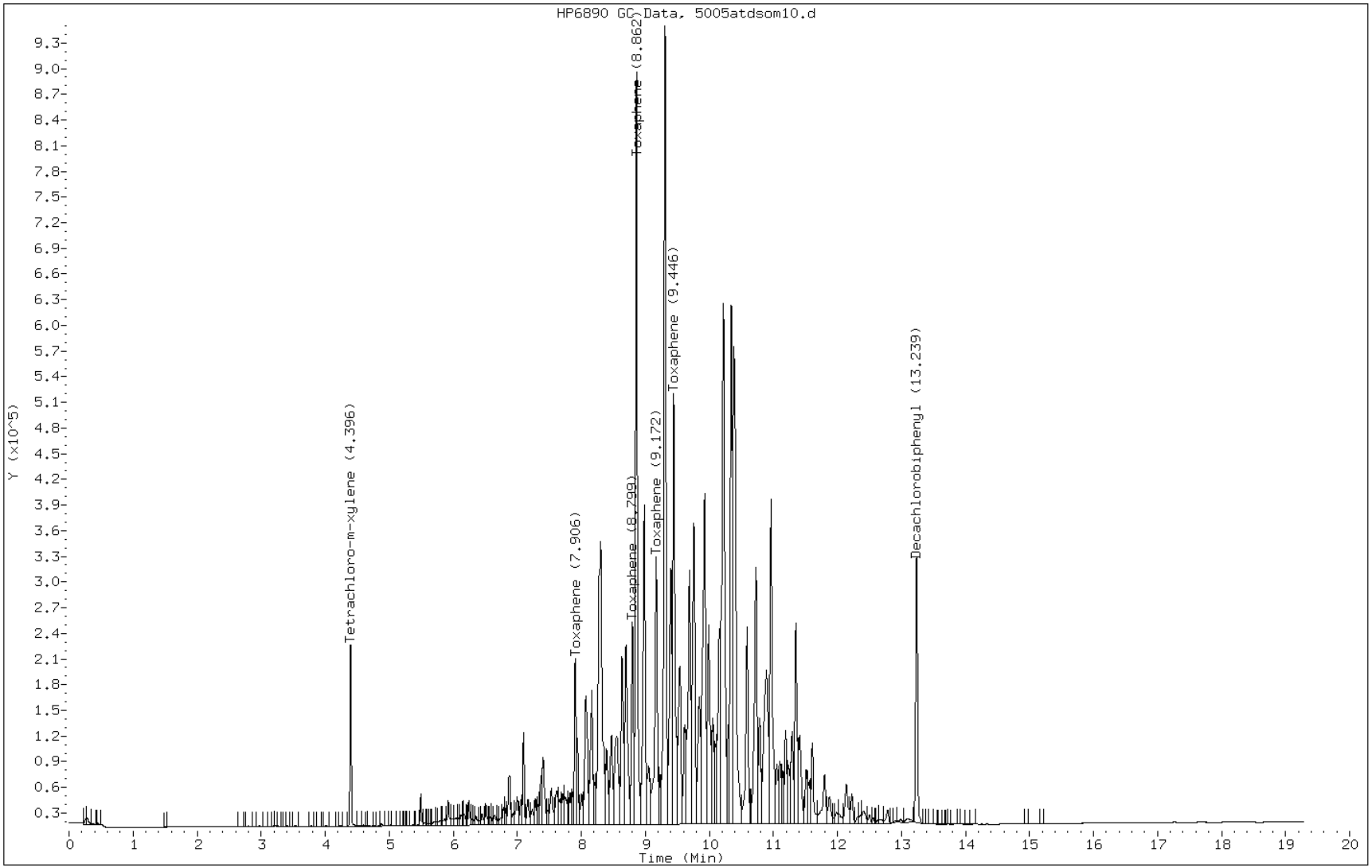
Column phase: RTX-CLPII

Column diameter: 0.32



Data File: 5005atdsom10.d
Client ID: TOXAPH3D6
Operator: RRM
Column Type:
Stationary Phase: RTX-CLPII
Sample Info: CCV-525153

Date: 28-AUG-2013 15:30
Instrument: 5005_2.i
Inj Vol: 1.0
Diameter: 0.3



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom10.d
Lab Smp Id: CCV-525153 Client Smp ID: TOXAPH3D6
Inj Date : 28-AUG-2013 15:30
Operator : RRM Inst ID: 5005_2.i
Smp Info : CCV-525153
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
23 Toxaphene					CAS #: 8001-35-2		
7.906	7.910	-0.004	193665	0.00000	2.200	80.00- 120.00	100.00(M)
8.799	8.801	-0.002	236534	2.00000	2.145	60.52- 100.52	122.14
8.862	8.865	-0.003	879812	2.00000	2.243	109.35- 149.35	454.30
9.172	9.175	-0.003	312793	2.00000	2.169	83.28- 123.28	161.51
9.446	9.449	-0.003	503107	2.00000	2.218	59.18- 99.18	259.78
Average of Peak Amounts =					2.195		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.396	4.402	-0.006	211870	0.02000	0.01752	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.239	13.241	-0.002	311142	0.02000	0.03860	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

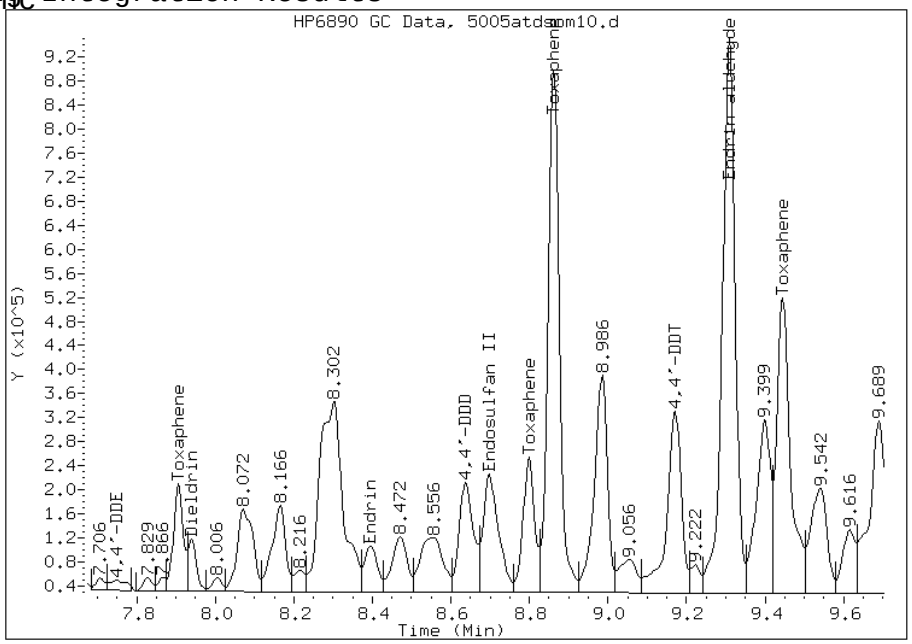
Manual Integration Report

Data File: 5005atdsom10.d
Lab Sample ID: CCV-525153
Inj. Date and Time: 28-AUG-2013 15:30
Instrument ID: 5005_2.i
Client ID: TOXAPH3D6
Compound: 23 Toxaphene
CAS #: 8001-35-2
Report Date: 08/29/2013

Processing Integration Results

RT	Response	Conc
7.91	179505*	2.04
8.80	224561*	2.04
8.86	867995*	2.21
9.17	301736*	2.09
9.45	492740*	2.17

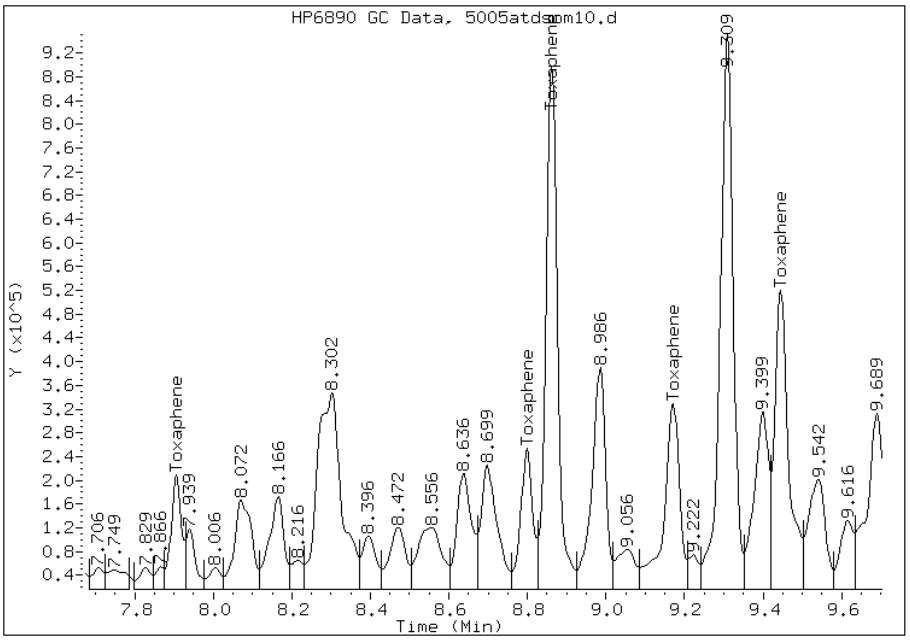
Final Conc		2.11



Manual Integration Results

RT	Response	Conc
7.91	193665*	2.20
8.80	236534*	2.15
8.86	879812*	2.24
9.17	312793*	2.17
9.45	503107*	2.22

Final Conc		2.19



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom10.d
Lab Sample ID: CCV-525153
Inj. Date and Time: 28-AUG-2013 15:30
Instrument ID: 5005_2.i
Client ID: TOXAPH3D6
Compound: 22 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/29/2013

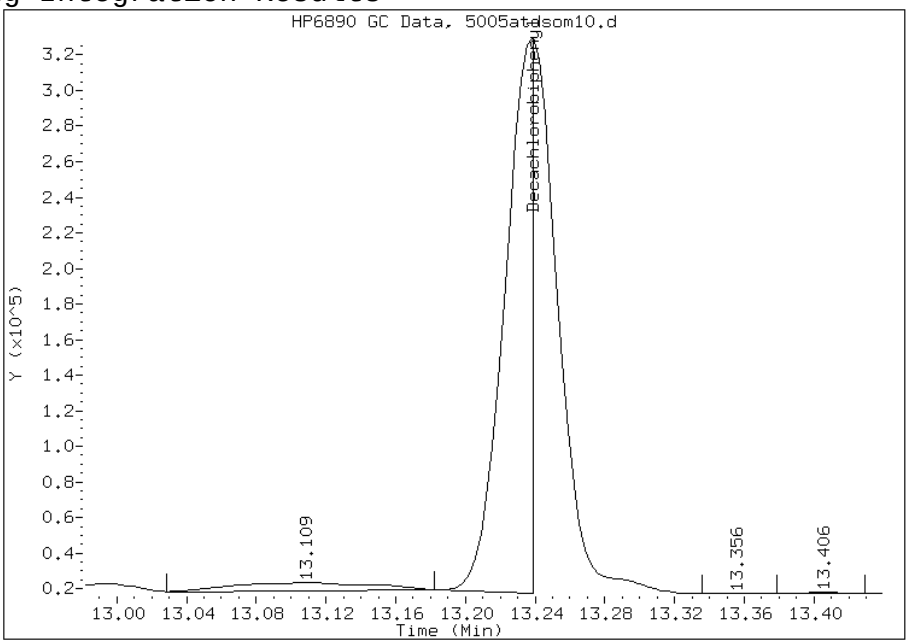
Processing Integration Results

RT: 13.24

Response: 312407

Amount: 0.038759

Conc: 0.038760



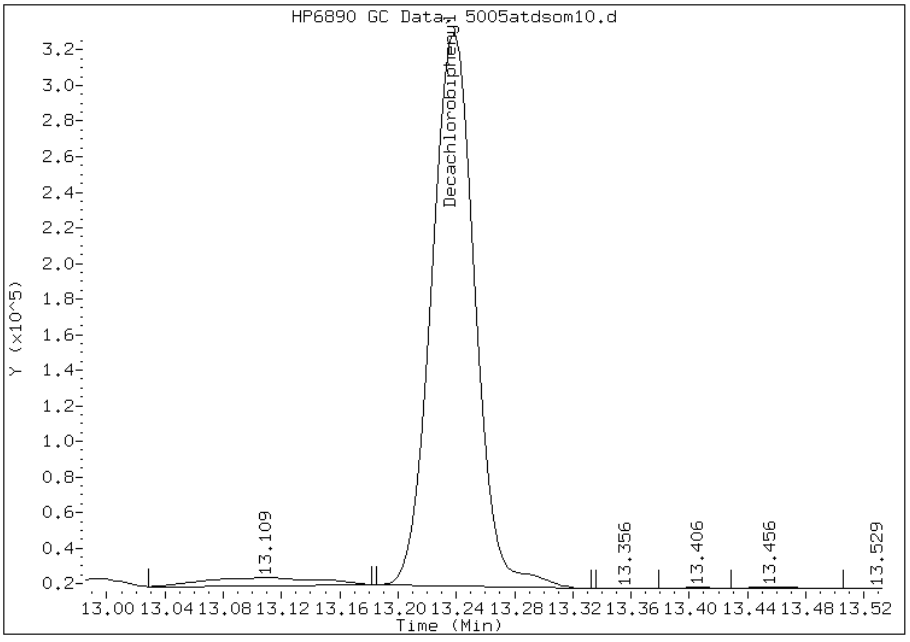
Manual Integration Results

RT: 13.24

Response: 311142

Amount: 0.038602

Conc: 0.038600



File Uploaded By: rrm
Manual Integration Reason: Baseline event

EPA SAMPLE NO.

PBLKX7

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59240/1-D

Sample wt/vol: 29.4 (g/mL) g Lab File ID: 5005ATDSOM04.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/2013

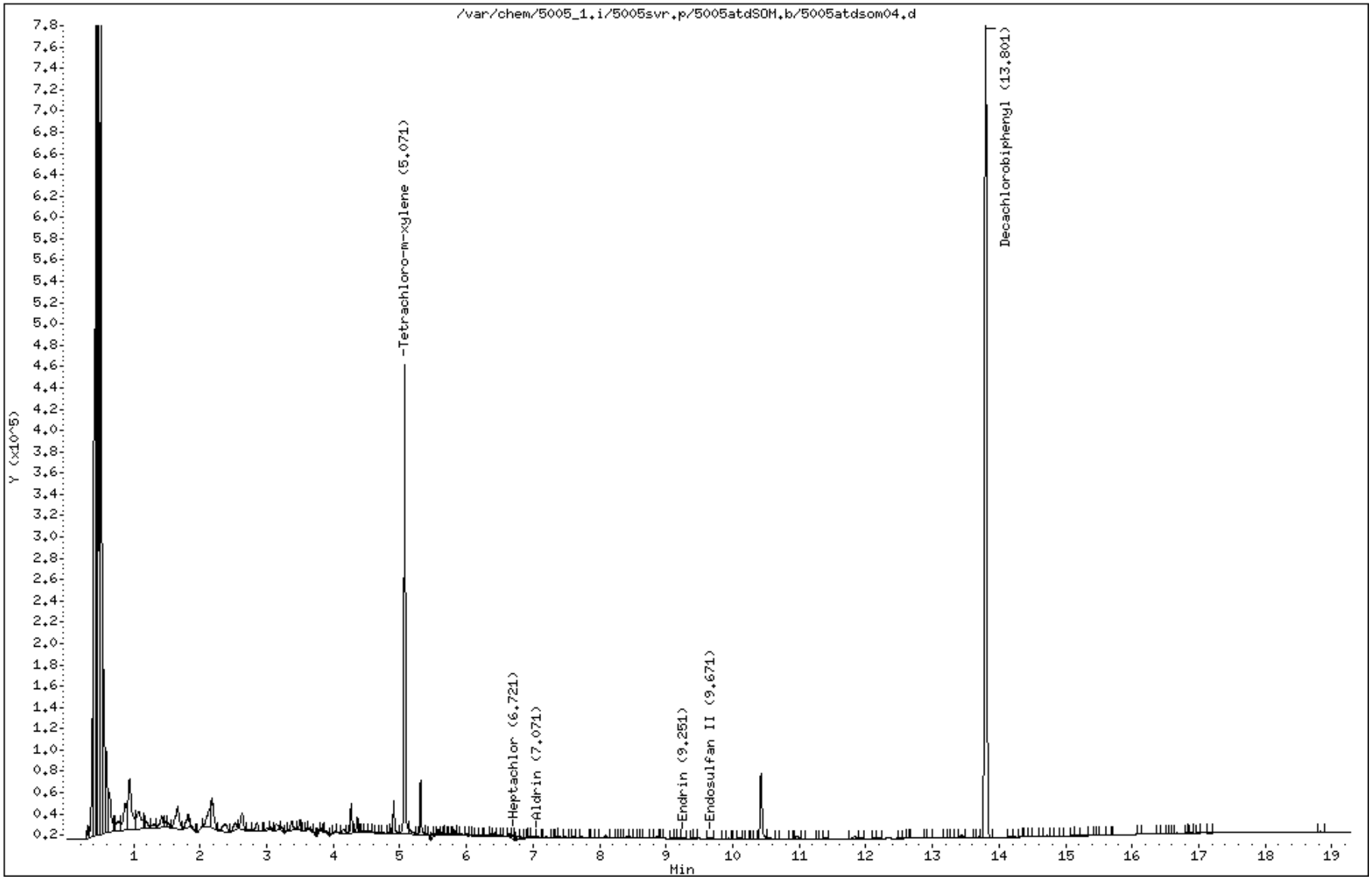
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	0.029	J P
309-00-2	Aldrin	0.019	J P
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	0.019	J P
33213-65-9	Endosulfan II	0.0065	J P
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.4	U
7421-93-4	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom04.d
Date : 28-AUG-2013 09:40
Client ID: PBLKX7
Sample Info: MB 200-59240/1-D
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom04.d
Lab Smp Id: MB 200-59240/1-D Client Smp ID: PBLKX7
Inj Date : 28-AUG-2013 09:40
Operator : RRM Inst ID: 5005_1.i
Smp Info : MB 200-59240/1-D
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.071	5.070	0.001	440682	0.03567	0.03567	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.721	6.734	-0.013	5016	0.000294	0.0002939	80.00- 120.00	100.00(a)
7 Aldrin						CAS #: 309-00-2	
7.071	7.118	-0.047	1832	0.000109	0.0001089	80.00- 120.00	100.00(aM)
14 Endrin						CAS #: 72-20-8	
9.251	9.308	-0.057	1156	0.000102	0.0001024	80.00- 120.00	100.00(a)
16 Endosulfan II						CAS #: 33213-65-9	
9.671	9.691	-0.020	1155	0.000119	0.0001192	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.801	13.798	0.003	871519	0.10503	0.1050	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom04.d
Lab Sample ID: MB 200-59240/1-D
Inj. Date and Time: 28-AUG-2013 09:40
Instrument ID: 5005_1.i
Client ID: PBLKX7
Compound: 7 Aldrin
CAS #: 309-00-2
Report Date: 08/29/2013

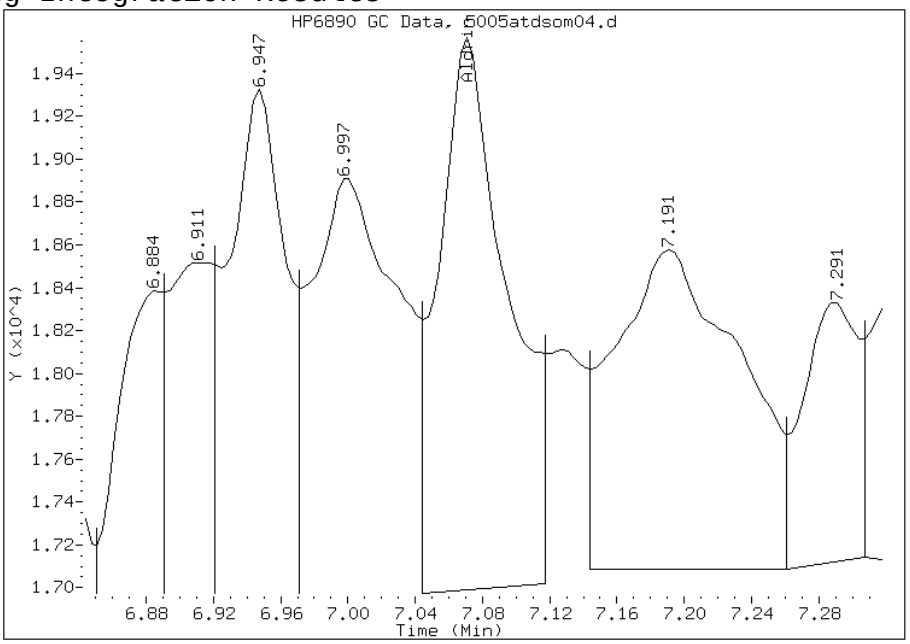
Processing Integration Results

RT: 7.07

Response: 2578

Amount: 0.000153

Conc: 0.000153



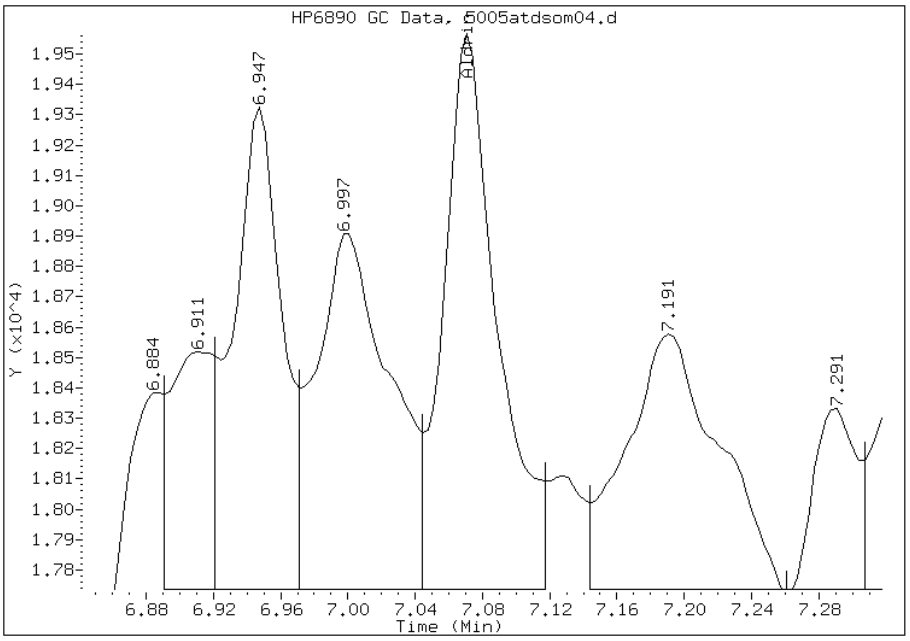
Manual Integration Results

RT: 7.07

Response: 1832

Amount: 0.000109

Conc: 0.000109



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom04.d

Date : 28-AUG-2013 09:40

Client ID: PBLKX7

Instrument: 5005_2.i

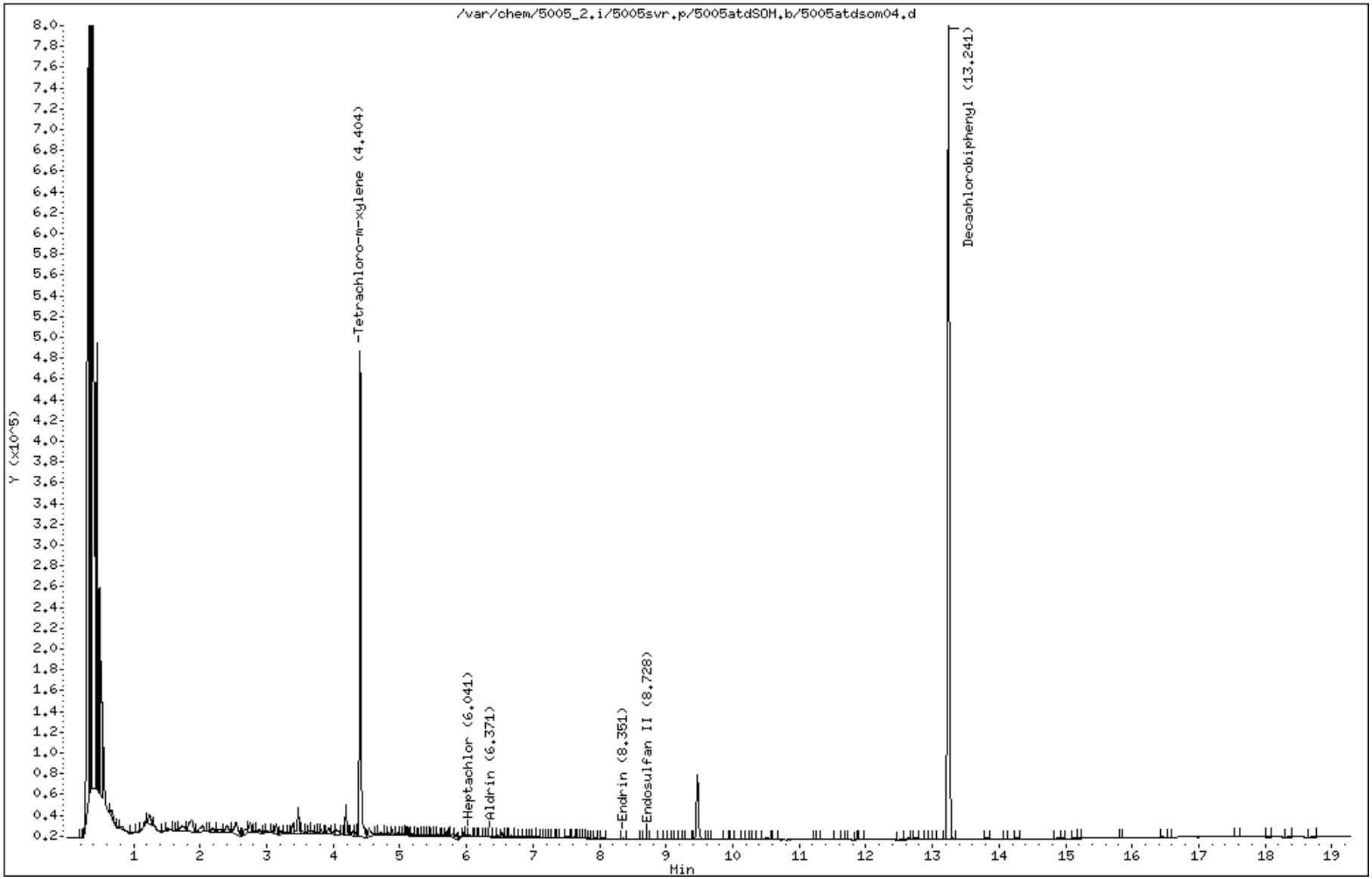
Sample Info: MB 200-59240/1-D

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLPII

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom04.d
Lab Smp Id: MB 200-59240/1-D Client Smp ID: PBLKX7
Inj Date : 28-AUG-2013 09:40
Operator : RRM Inst ID: 5005_2.i
Smp Info : MB 200-59240/1-D
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.404	4.402	0.002	466972	0.03861	0.03861	80.00- 120.00	100.00
6 Heptachlor						CAS #: 76-44-8	
6.041	6.050	-0.009	1649	<0.0	0.00008464	80.00- 120.00	100.00(aM)
7 Aldrin						CAS #: 309-00-2	
6.371	6.389	-0.018	1043	<0.0	0.00005531	80.00- 120.00	100.00(aM)
14 Endrin						CAS #: 72-20-8	
8.351	8.386	-0.035	656	<0.0	0.00005565	80.00- 120.00	100.00(a)
16 Endosulfan II						CAS #: 33213-65-9	
8.728	8.730	-0.002	203	<0.0	0.00001899	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
13.241	13.241	0.000	844236	0.10474	0.1047	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom04.d
Lab Sample ID: MB 200-59240/1-D
Inj. Date and Time: 28-AUG-2013 09:40
Instrument ID: 5005_2.i
Client ID: PBLKX7
Compound: 6 Heptachlor
CAS #: 76-44-8
Report Date: 08/29/2013

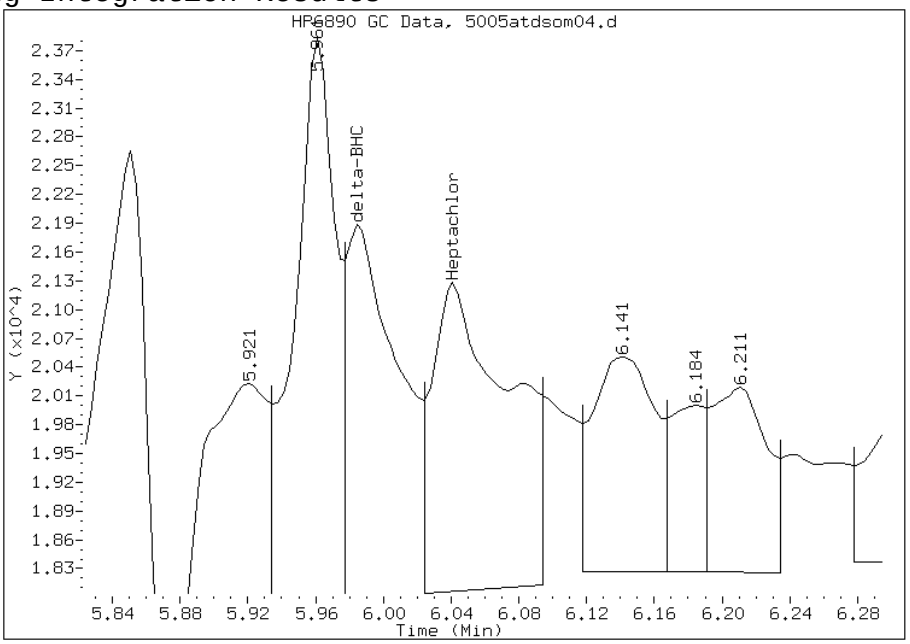
Processing Integration Results

RT: 6.04

Response: 3219

Amount: 0.000165

Conc: 0.000165



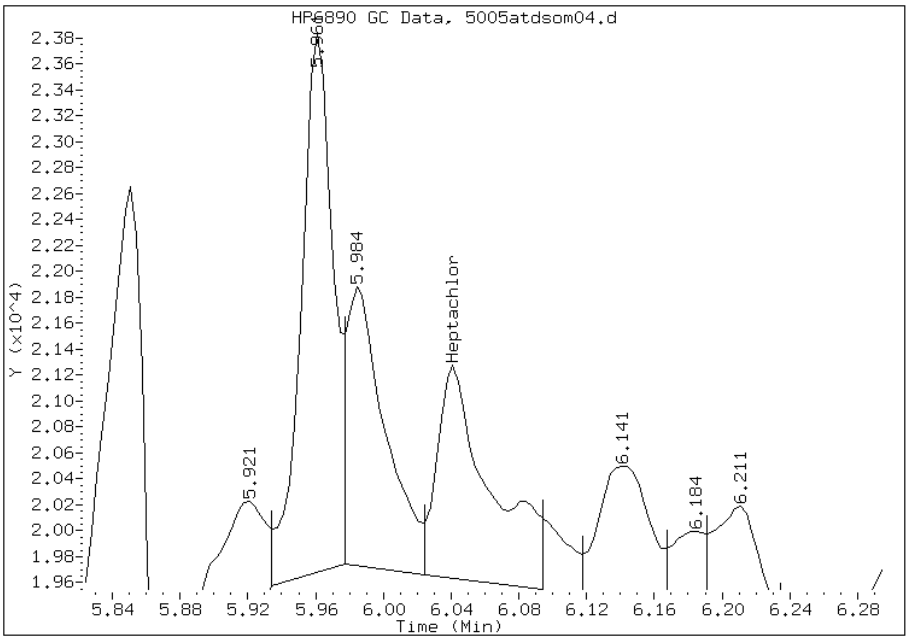
Manual Integration Results

RT: 6.04

Response: 1649

Amount: 0.000085

Conc: 0.000085



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom04.d
Lab Sample ID: MB 200-59240/1-D
Inj. Date and Time: 28-AUG-2013 09:40
Instrument ID: 5005_2.i
Client ID: PBLKX7
Compound: 7 Aldrin
CAS #: 309-00-2
Report Date: 08/29/2013

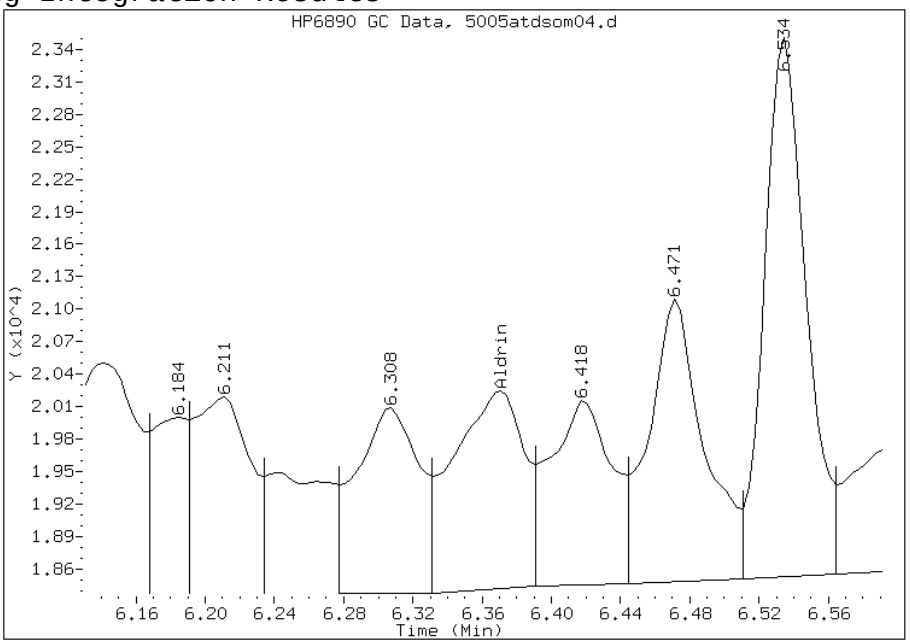
Processing Integration Results

RT: 6.37

Response: 1836

Amount: 0.000097

Conc: 0.000097



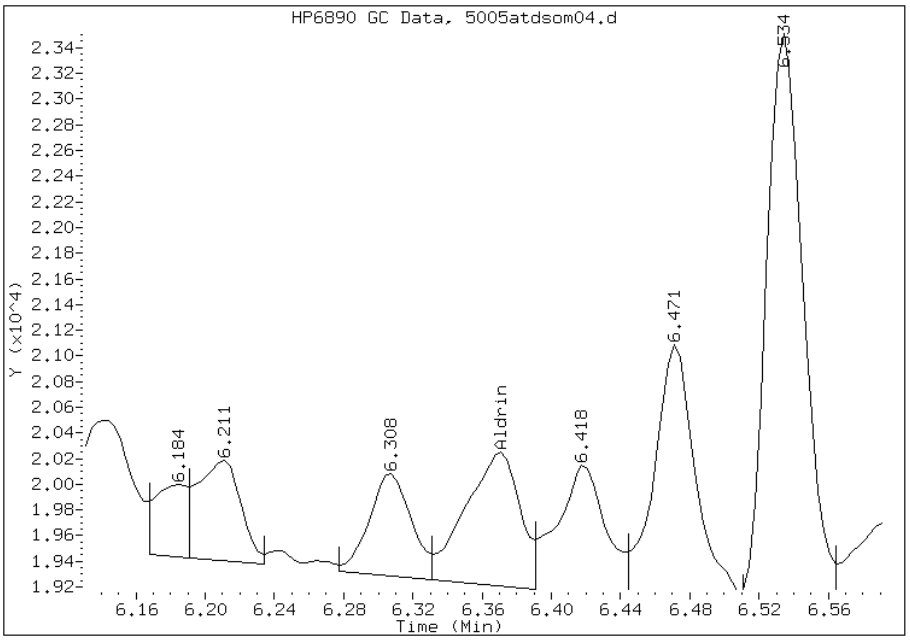
Manual Integration Results

RT: 6.37

Response: 1043

Amount: 0.000055

Conc: 0.000055



File Uploaded By: rrm
Manual Integration Reason: Baseline event

EPA SAMPLE NO.

PIBLKFC(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-52735/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005AESOM03.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

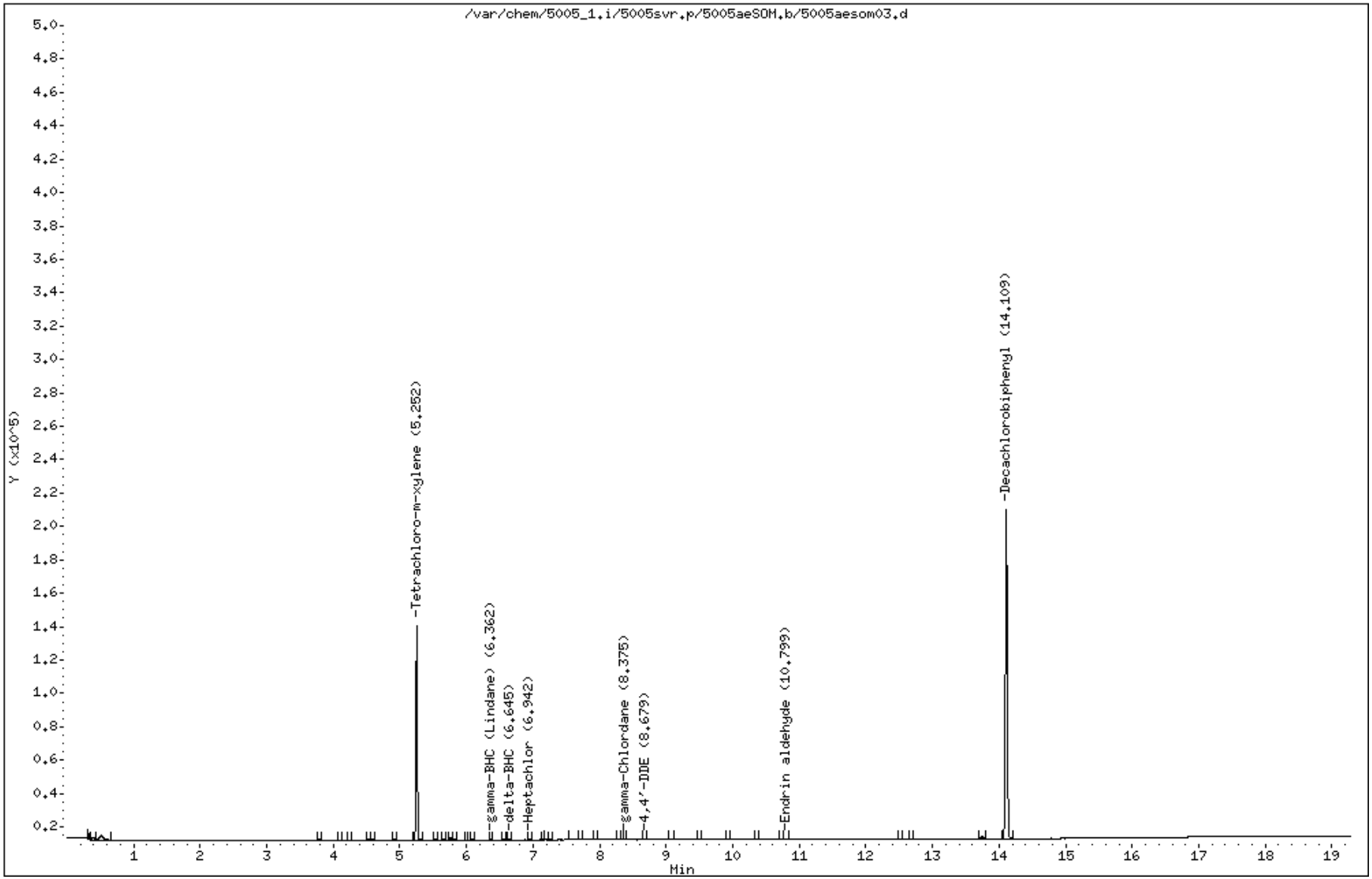
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/05/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00045	J
58-89-9	gamma-BHC (Lindane)	0.00045	J
76-44-8	Heptachlor	0.00046	J
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.00046	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.00035	J
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.00037	J
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom03.d
Date : 05-MAR-2013 16:38
Client ID: PIBLKFC
Instrument: 5005_1.i
Sample Info: PIBLK-452067,1,PIBLKFC
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom03.d
Lab Smp Id: PIBLK-452067 Client Smp ID: PIBLKFC
Inj Date : 05-MAR-2013 16:38
Operator : KTL Inst ID: 5005_1.i
Smp Info : PIBLK-452067,1,PIBLKFC
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.252	5.254	-0.002	128575	0.02000	0.01950	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.362	6.350	0.012	464	0.00000	0.00004509	80.00- 120.00	100.00(a)
5 delta-BHC					CAS #: 319-86-8		
6.645	6.678	-0.033	447	0.00000	0.00004520	80.00- 120.00	100.00(a)
6 Heptachlor					CAS #: 76-44-8		
6.942	6.949	-0.007	415	0.00000	0.00004589	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.375	8.394	-0.019	263	0.00000	0.00003664	80.00- 120.00	100.00(aM)
11 4,4'-DDE					CAS #: 72-55-9		
8.679	8.721	-0.042	340	0.00000	0.00004569	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.799	10.789	0.010	159	0.00000	0.00003513	80.00- 120.00	100.00(aM)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.109	14.111	-0.002	196842	0.04000	0.03983	80.00- 120.00	100.00(a)

QC Flag Legend

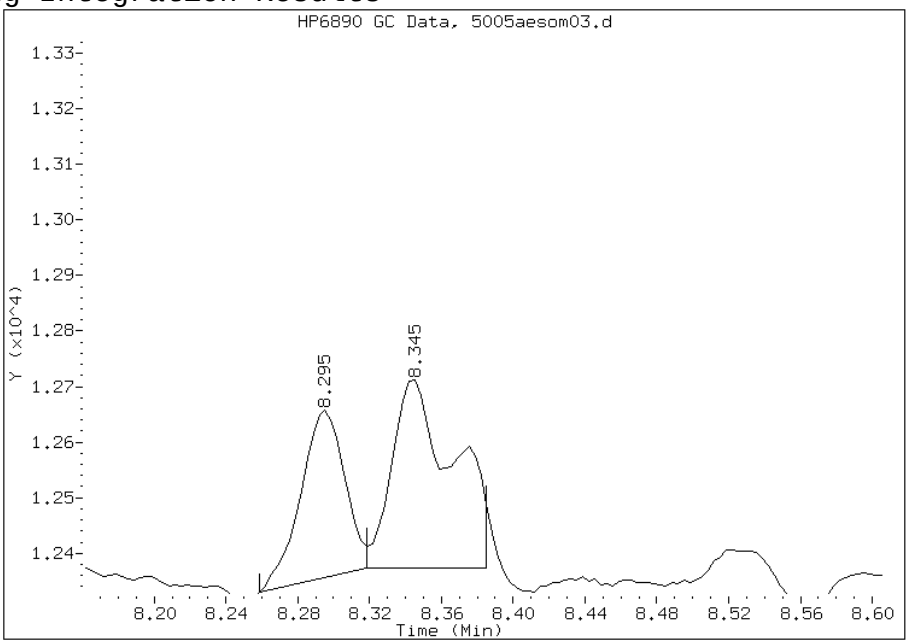
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom03.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 16:38
Instrument ID: 5005_1.i
Client ID: PIBLKFC
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 03/07/2013

Processing Integration Results

Not Detected



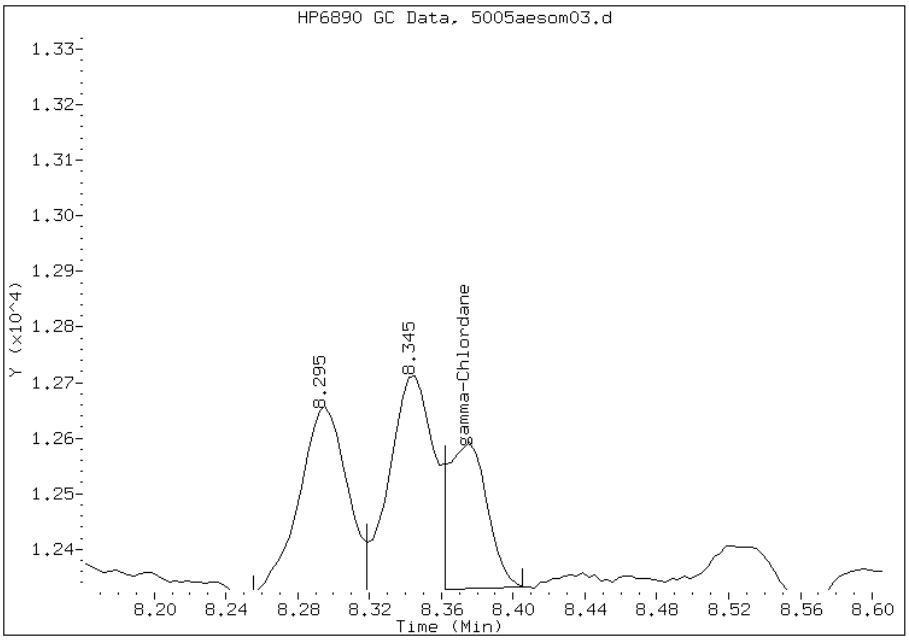
Manual Integration Results

RT: 8.38

Response: 263

Amount: 0.000037

Conc: 0.000037



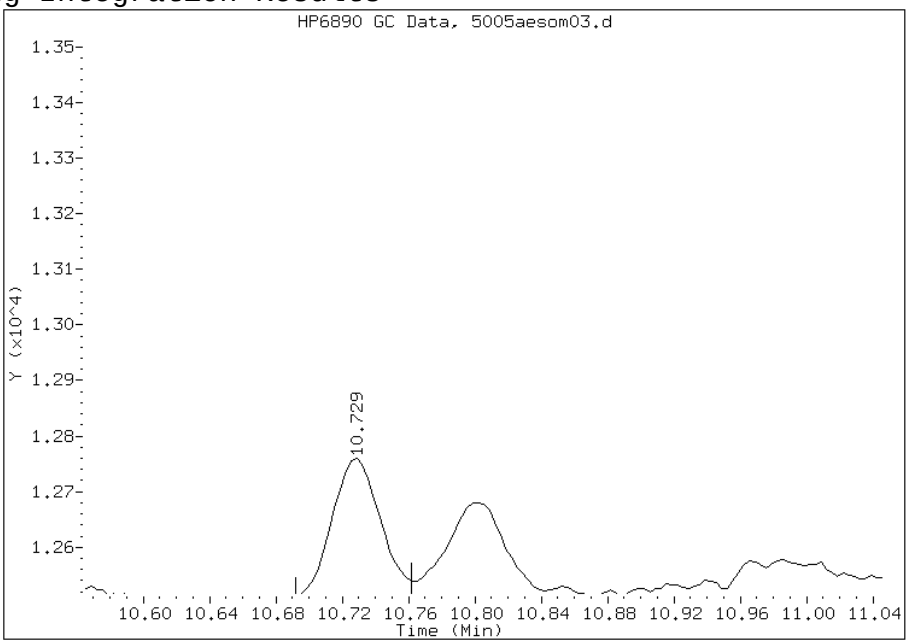
File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: 5005aesom03.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 16:38
Instrument ID: 5005_1.i
Client ID: PIBLKFC
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 03/07/2013

Processing Integration Results

Not Detected



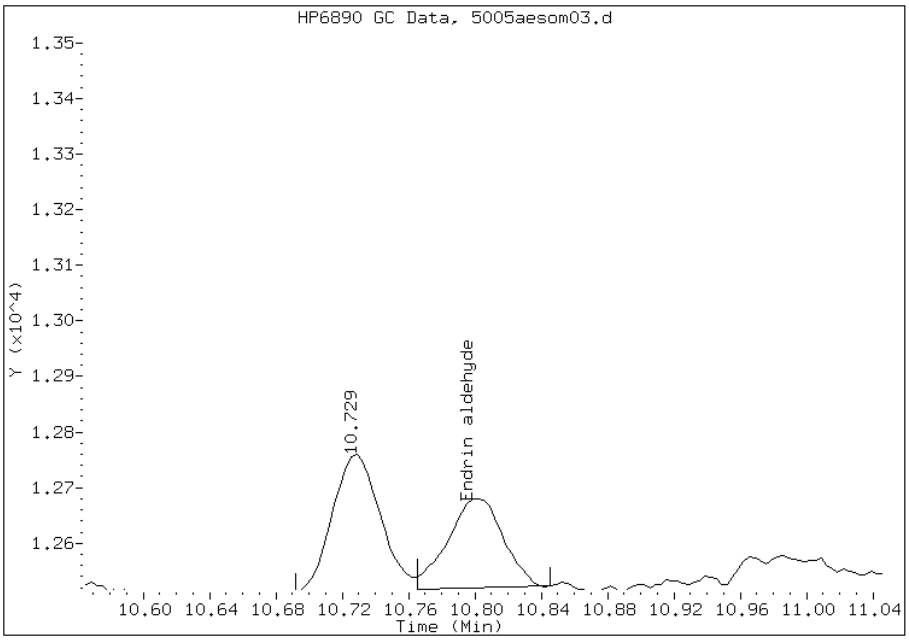
Manual Integration Results

RT: 10.80

Response: 159

Amount: 0.000035

Conc: 0.000035



File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

EPA SAMPLE NO.

PIBLKFD(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-52735/14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005AESOM16.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

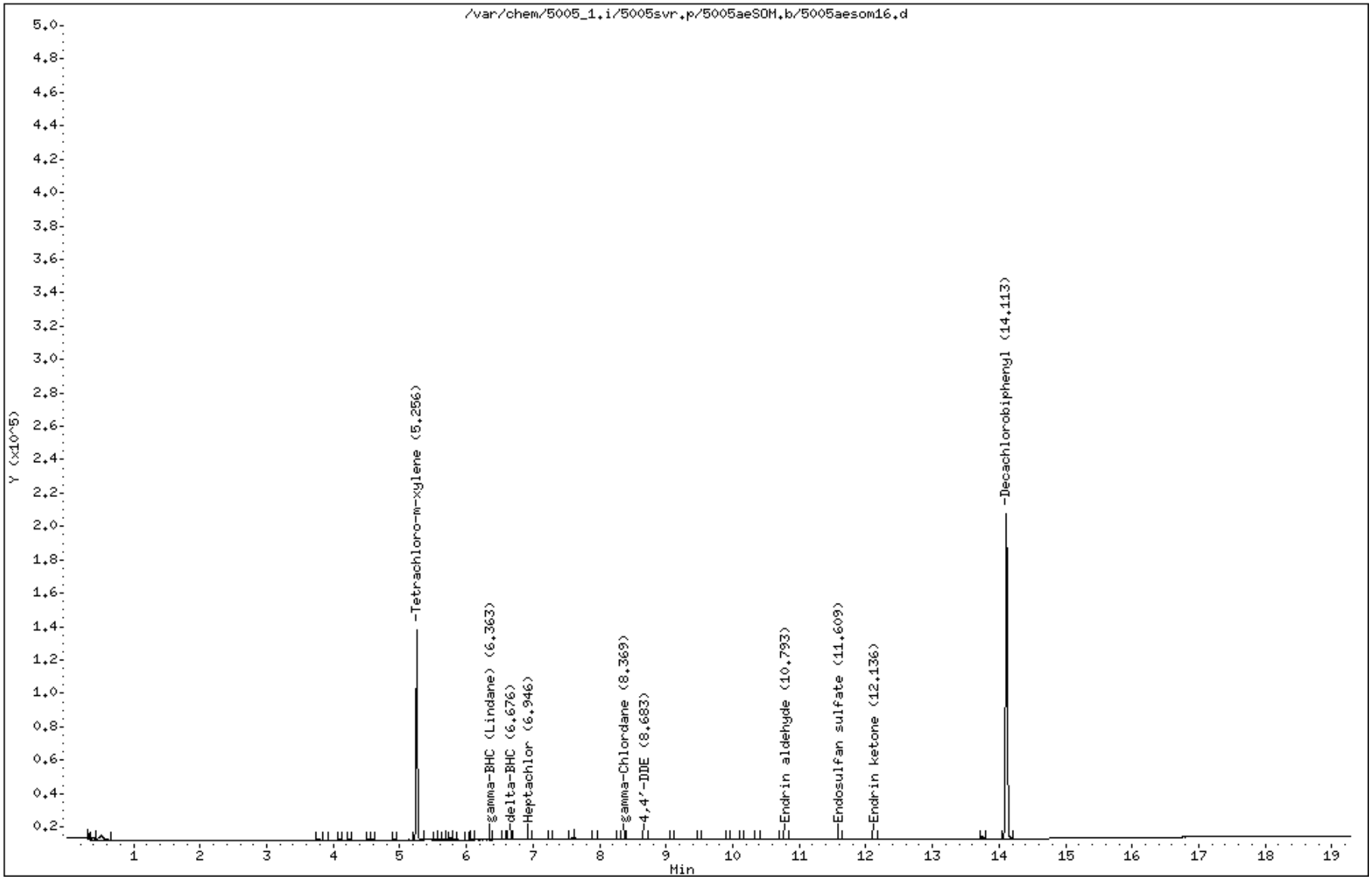
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/05/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00021	J
58-89-9	gamma-BHC (Lindane)	0.00048	J
76-44-8	Heptachlor	0.00046	J
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.00044	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.00047	J
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.00017	J
7421-93-4	Endrin aldehyde	0.00073	J
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.00013	J
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom16.d
Date : 05-MAR-2013 21:35
Client ID: PIBLKFD
Instrument: 5005_1.i
Sample Info: PIBLK-452067,1,PIBLKFD
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aesom16.d
Lab Smp Id: PIBLK-452067 Client Smp ID: PIBLKFD
Inj Date : 05-MAR-2013 21:35
Operator : KTL Inst ID: 5005_1.i
Smp Info : PIBLK-452067,1,PIBLKFD
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:51 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 21:12 Cal File: 5005aesom15.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	============		=====
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6			
5.256	5.254	0.002	125823	0.02000	0.01908	80.00- 120.00		100.00(a)
3 gamma-BHC (Lindane)					CAS #: 58-89-9			
6.363	6.350	0.013	491	0.00000	0.00004771	80.00- 120.00		100.00(a)
5 delta-BHC					CAS #: 319-86-8			
6.676	6.678	-0.002	203	0.00000	0.00002053	80.00- 120.00		100.00(aM)
6 Heptachlor					CAS #: 76-44-8			
6.946	6.949	-0.003	414	0.00000	0.00004578	80.00- 120.00		100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2			
8.369	8.394	-0.025	95	0.00000	0.00001323	80.00- 120.00		100.00(aM)
11 4,4'-DDE					CAS #: 72-55-9			
8.683	8.721	-0.038	331	0.00000	0.00004448	80.00- 120.00		100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4			
10.793	10.789	0.004	330	0.00000	0.00007292	80.00- 120.00		100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
20 Endosulfan sulfate						CAS #: 1031-07-8	
11.609	11.609	0.000	225	0.00000	0.00004735	80.00- 120.00	100.00(a)
21 Endrin ketone						CAS #: 53494-70-5	
12.136	12.134	0.002	97	0.00000	0.00001653	80.00- 120.00	100.00(aM)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3	
14.113	14.111	0.002	194754	0.04000	0.03941	80.00- 120.00	100.00(a)

QC Flag Legend

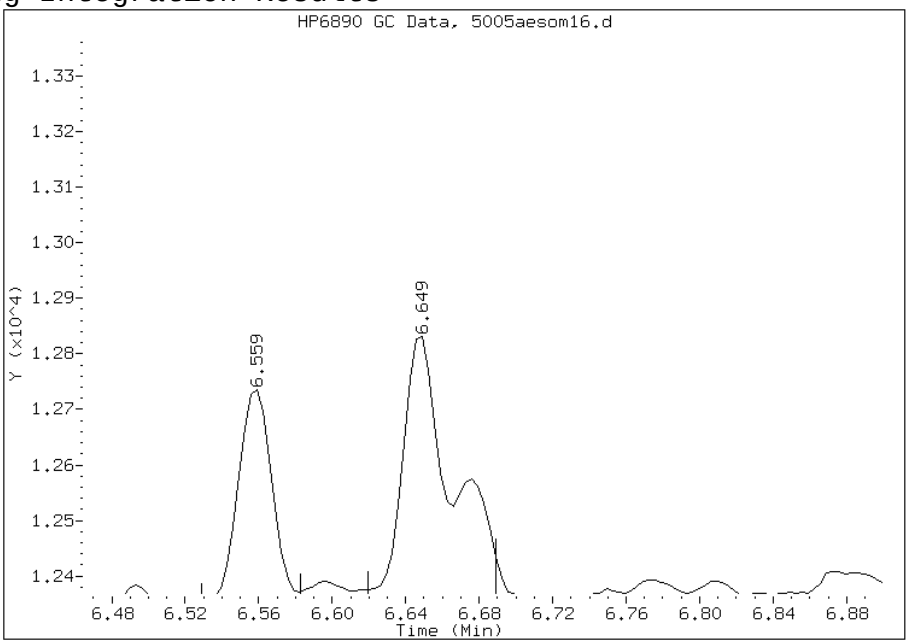
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aesom16.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 21:35
Instrument ID: 5005_1.i
Client ID: PIBLKFD
Compound: 5 delta-BHC
CAS #: 319-86-8
Report Date: 03/07/2013

Processing Integration Results

Not Detected



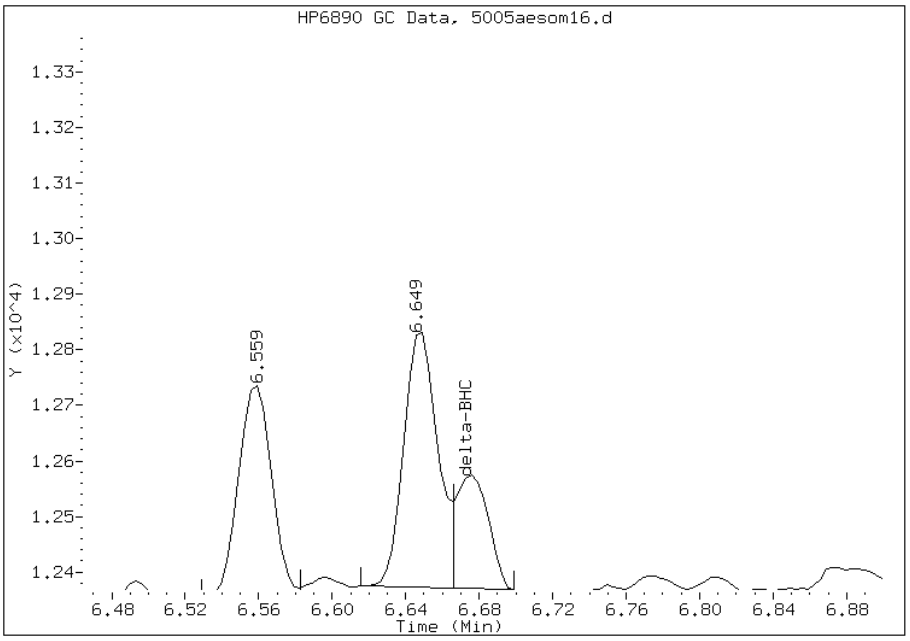
Manual Integration Results

RT: 6.68

Response: 203

Amount: 0.000021

Conc: 0.000021



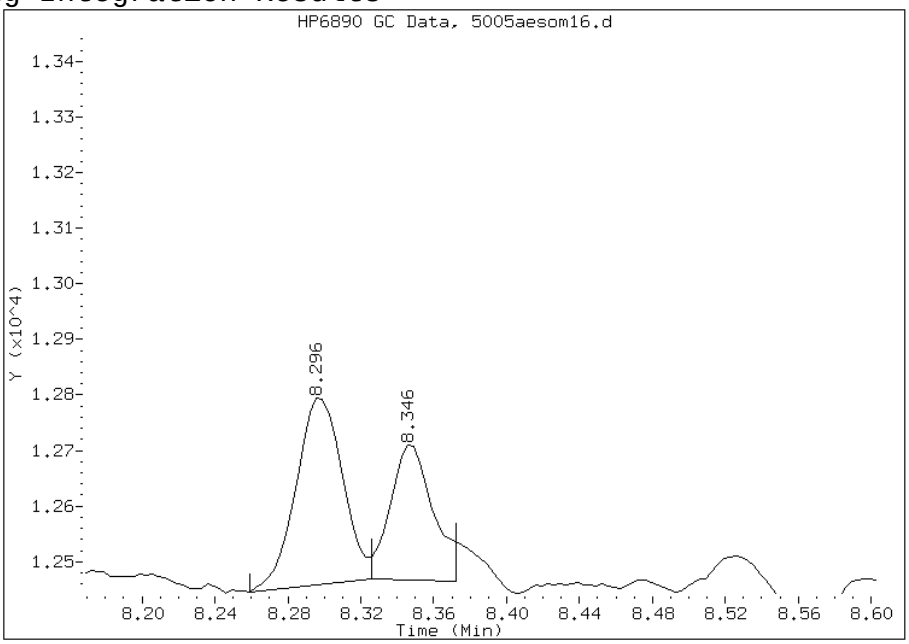
File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: 5005aesom16.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 21:35
Instrument ID: 5005_1.i
Client ID: PIBLKFD
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 03/07/2013

Processing Integration Results

Not Detected



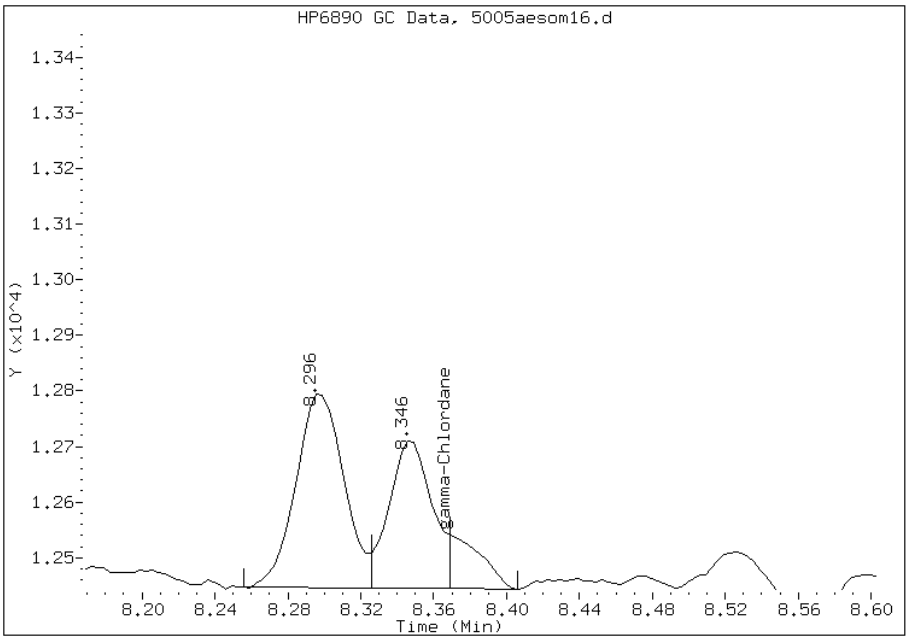
Manual Integration Results

RT: 8.37

Response: 95

Amount: 0.000013

Conc: 0.000013



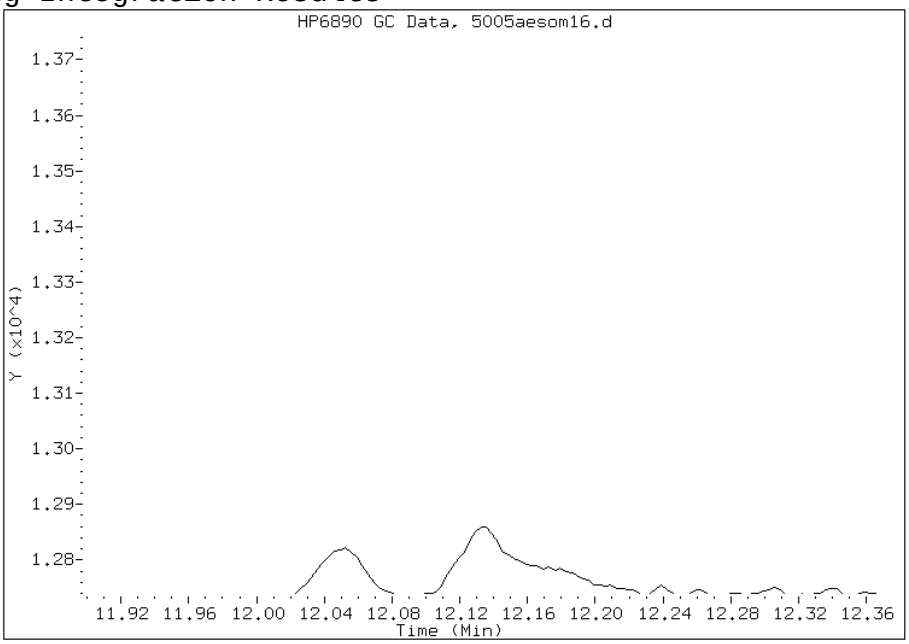
File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: 5005aesom16.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 21:35
Instrument ID: 5005_1.i
Client ID: PIBLKFD
Compound: 21 Endrin ketone
CAS #: 53494-70-5
Report Date: 03/07/2013

Processing Integration Results

Not Detected



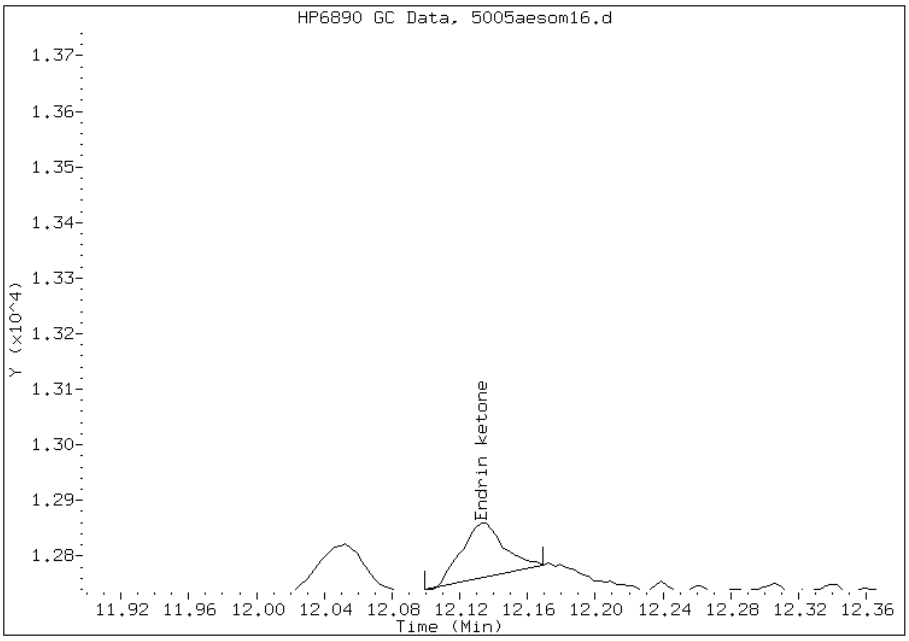
Manual Integration Results

RT: 12.14

Response: 97

Amount: 0.000017

Conc: 0.000017



File Uploaded By: ktl
Manual Integration Reason: Peak not found by the data system

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-52735/19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005AEASOM03.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

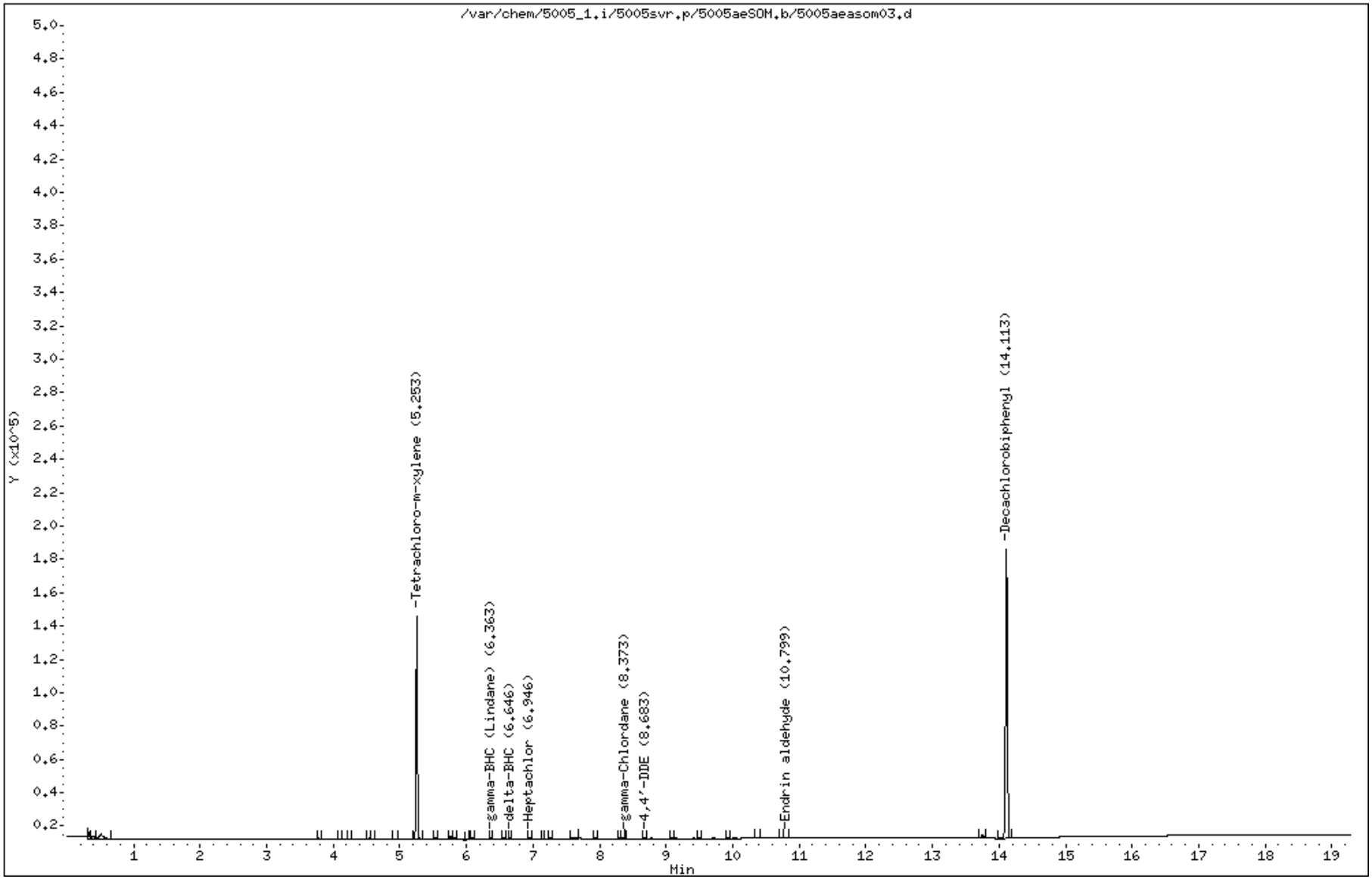
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/05/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00049	J
58-89-9	gamma-BHC (Lindane)	0.00048	J
76-44-8	Heptachlor	0.00044	J
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.00040	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.00033	J
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.00017	J
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aeasom03.d
Date : 05-MAR-2013 23:29
Client ID: PIBLKFE
Instrument: 5005_1.i
Sample Info: PIBLK-452067,1,PIBLKFE
Volume Injected (uL): 1.0
Operator: KTL
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/5005aeasom03.d
Lab Smp Id: PIBLK-452067 Client Smp ID: PIBLKFE
Inj Date : 05-MAR-2013 23:29
Operator : KTL Inst ID: 5005_1.i
Smp Info : PIBLK-452067,1,PIBLKFE
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005aeSOM.b/SOM01FLORISIL_RTXCLP.m
Meth Date : 07-Mar-2013 14:54 ktl Quant Type: ESTD
Cal Date : 05-MAR-2013 22:21 Cal File: 5005aesom18.d
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 319-84-6		
5.253	5.254	-0.001	133234	0.02000	0.02021	80.00- 120.00	100.00(a)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.363	6.350	0.013	490	0.00000	0.00004761	80.00- 120.00	100.00(a)
5 delta-BHC					CAS #: 319-86-8		
6.646	6.678	-0.032	482	0.00000	0.00004874	80.00- 120.00	100.00(a)
6 Heptachlor					CAS #: 76-44-8		
6.946	6.949	-0.003	394	0.00000	0.00004356	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.373	8.394	-0.021	123	0.00000	0.00001713	80.00- 120.00	100.00(aM)
11 4,4'-DDE					CAS #: 72-55-9		
8.683	8.721	-0.038	299	0.00000	0.00004018	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.799	10.789	0.010	151	0.00000	0.00003337	80.00- 120.00	100.00(aM)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
14.113	14.111	0.002	173687	0.04000	0.03515	80.00- 120.00	100.00(a)

QC Flag Legend

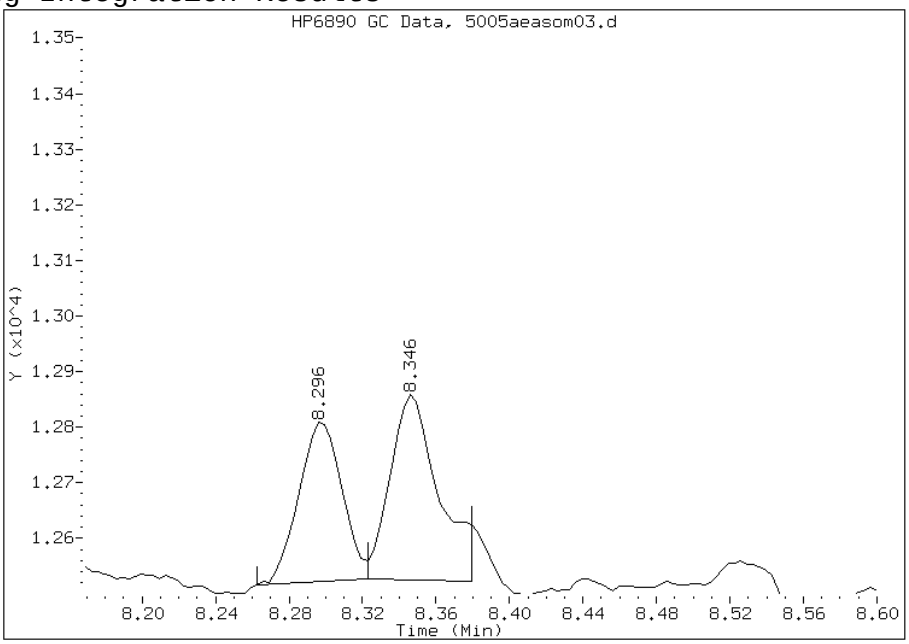
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005aeasom03.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 23:29
Instrument ID: 5005_1.i
Client ID: PIBLKFE
Compound: 9 gamma-Chlordane
CAS #: 5103-74-2
Report Date: 03/07/2013

Processing Integration Results

Not Detected



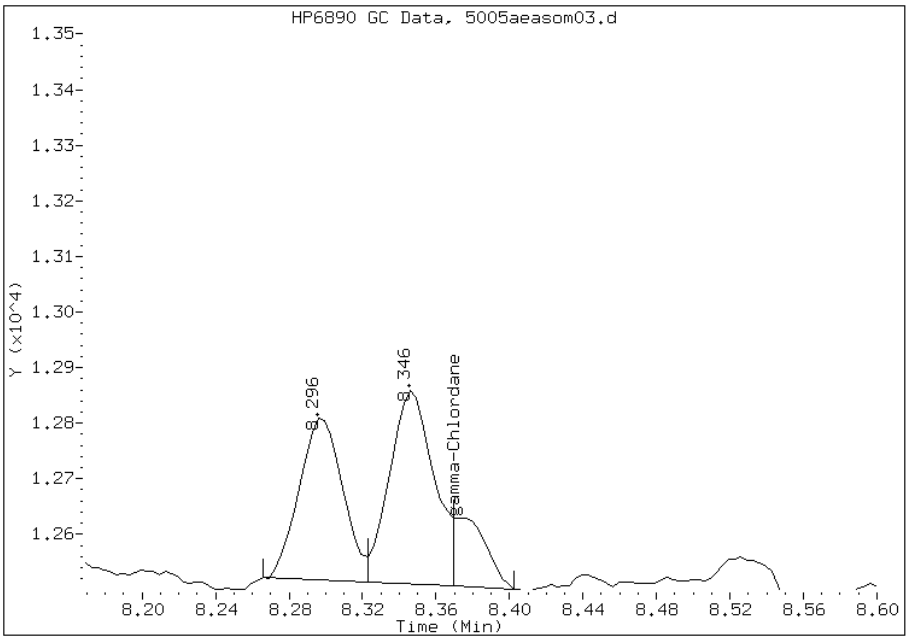
Manual Integration Results

RT: 8.37

Response: 123

Amount: 0.000017

Conc: 0.000017



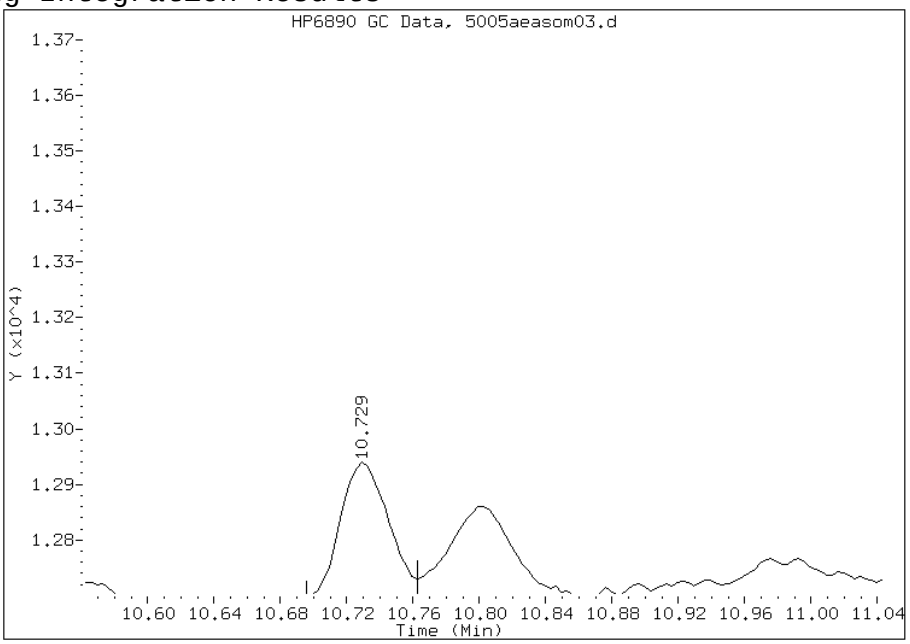
File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

Manual Integration Report

Data File: 5005aeasom03.d
Lab Sample ID: PIBLK-452067
Inj. Date and Time: 05-MAR-2013 23:29
Instrument ID: 5005_1.i
Client ID: PIBLKFE
Compound: 18 Endrin aldehyde
CAS #: 7421-93-4
Report Date: 03/07/2013

Processing Integration Results

Not Detected



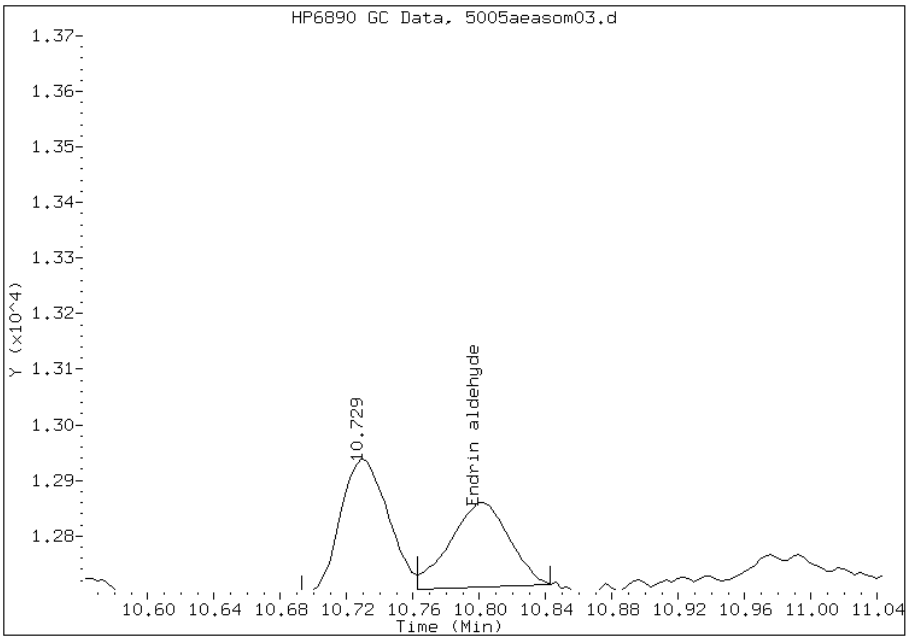
Manual Integration Results

RT: 10.80

Response: 151

Amount: 0.000033

Conc: 0.000033



File Uploaded By: ktl
Manual Integration Reason: Analyte misidentified by the data system

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59959/3

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ASSOM03.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/16/2013

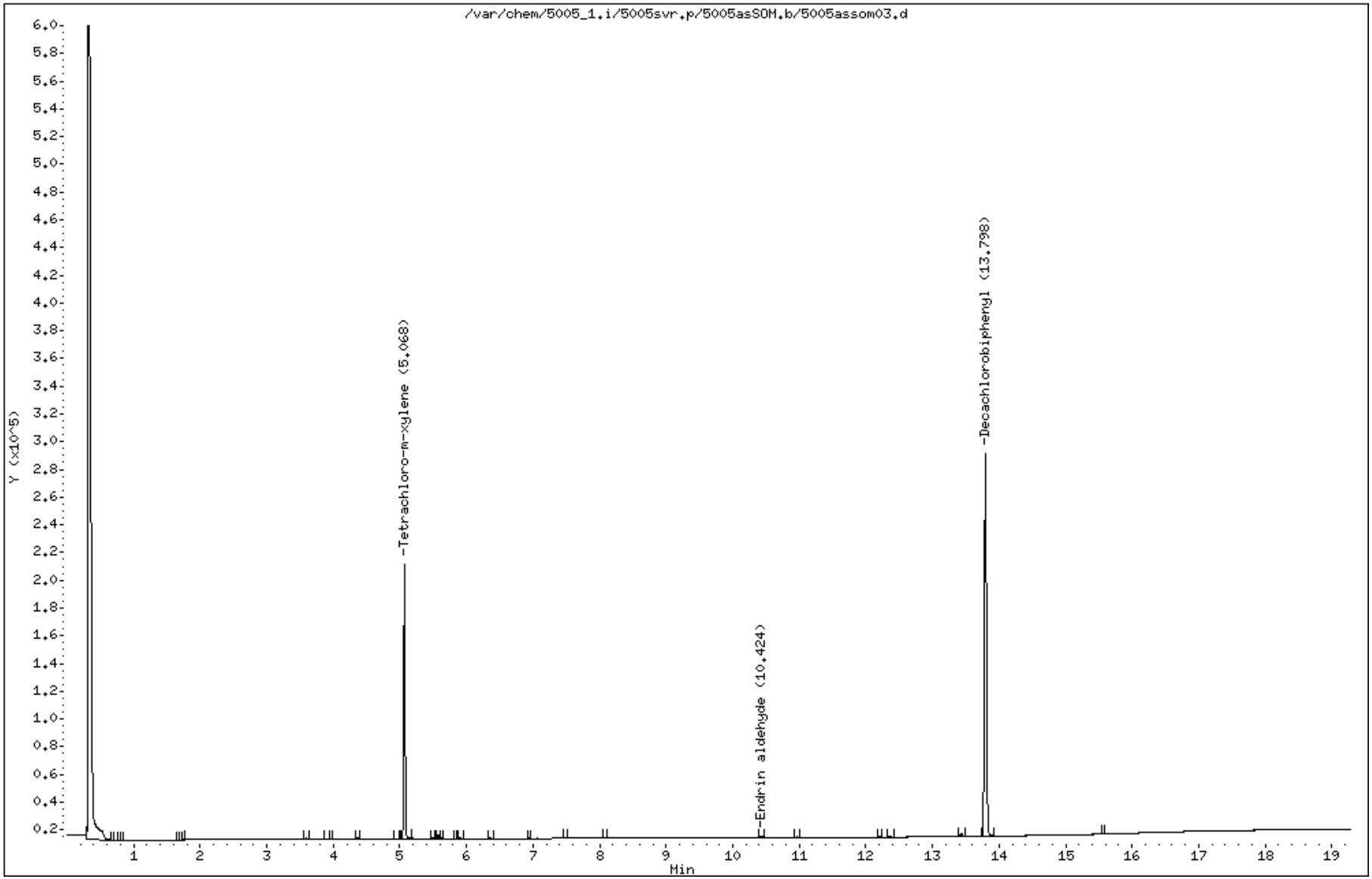
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.0013	J
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom03.d
Date : 16-AUG-2013 18:15
Client ID: PIBLKA3
Sample Info: PIBLK-521198,1,PIBLKA3
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom03.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKA3
Inj Date : 16-AUG-2013 18:15
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLKA3
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.068	5.070	-0.002	198462	0.02000	0.01989	80.00- 120.00	100.00
18 Endrin aldehyde					CAS #: 7421-93-4		
10.424	10.461	-0.037	796	0.00000	0.0001272	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	275766	0.02000	0.04144	80.00- 120.00	100.00

QC Flag Legend

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

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59959/16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ASSOM16.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/16/2013

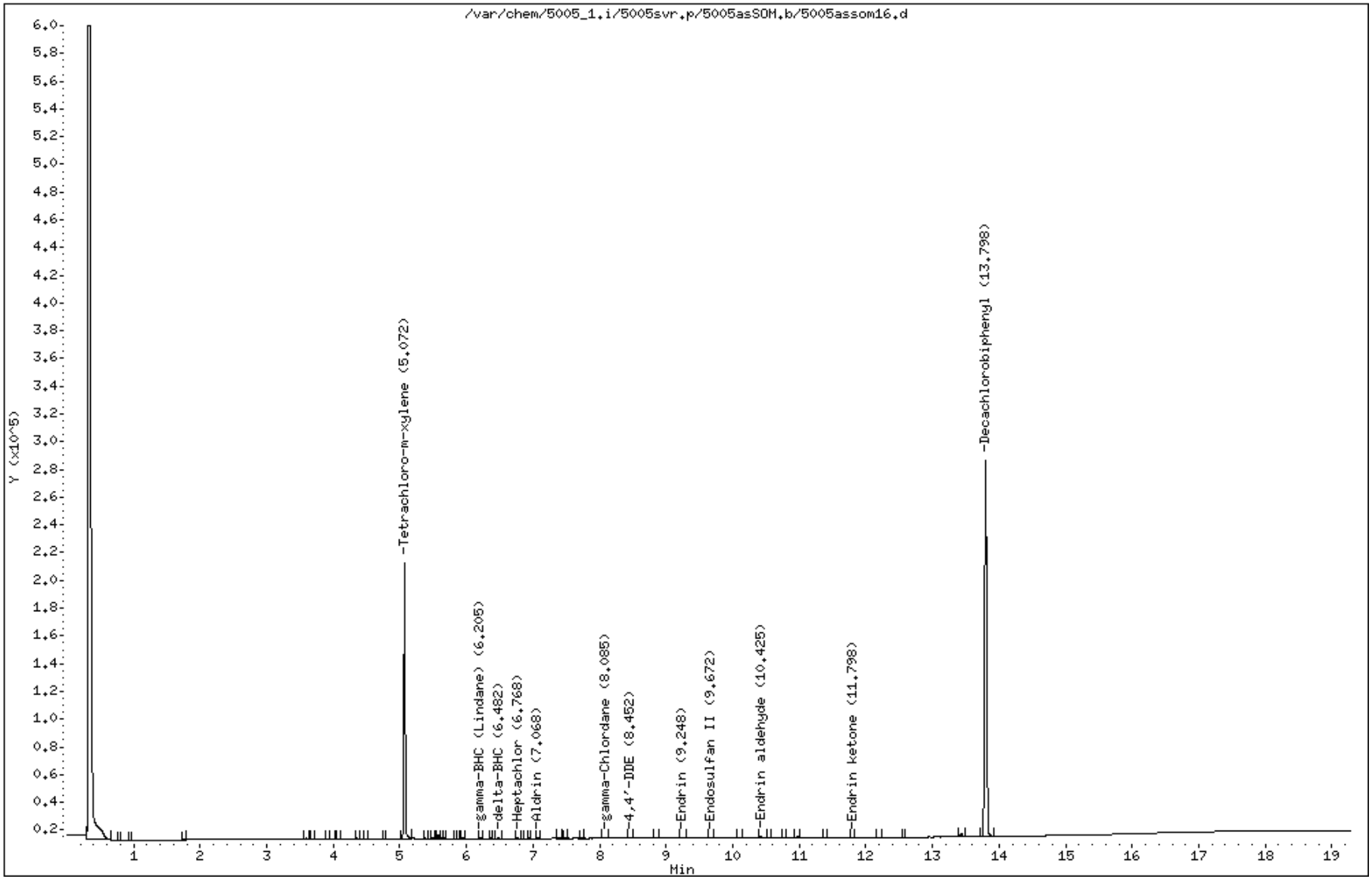
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00033	J
58-89-9	gamma-BHC (Lindane)	0.00030	J
76-44-8	Heptachlor	0.00035	J
309-00-2	Aldrin	0.00034	J
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.00037	J
72-20-8	Endrin	0.00044	J
33213-65-9	Endosulfan II	0.00046	J
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.00026	J
7421-93-4	Endrin aldehyde	0.0013	J
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.00059	J
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom16.d
Date : 16-AUG-2013 23:09
Client ID: PIBLKA4
Sample Info: PIBLK-521198,1,PIBLKA4
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/5005assom16.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKA4
Inj Date : 16-AUG-2013 23:09
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLKA4
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005asSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 19-Aug-2013 14:56 lmt Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.072	5.070	0.002	198432	0.02000	0.01989	80.00- 120.00	100.00
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.205	6.160	0.045	488	0.01000	0.00003003	80.00- 120.00	100.00(a)
5 delta-BHC					CAS #: 319-86-8		
6.482	6.473	0.009	512	0.00000	0.00003252	80.00- 120.00	100.00(a)
6 Heptachlor					CAS #: 76-44-8		
6.768	6.731	0.037	471	0.00000	0.00003508	80.00- 120.00	100.00(a)
7 Aldrin					CAS #: 309-00-2		
7.068	7.114	-0.046	445	0.00000	0.00003368	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.085	8.130	-0.045	640	0.00000	0.00005914	80.00- 120.00	100.00(a)
11 4,4'-DDE					CAS #: 72-55-9		
8.452	8.453	-0.001	393	0.00000	0.00003716	80.00- 120.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
14 Endrin					CAS #: 72-20-8		
9.248	9.305	-0.057	386	0.05000	0.00004449	80.00- 120.00	100.00(a)
16 Endosulfan II					CAS #: 33213-65-9		
9.672	9.691	-0.019	357	0.00000	0.00004569	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.425	10.461	-0.036	783	0.00000	0.0001251	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
11.798	11.802	-0.004	209	0.00000	0.00002573	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.798	13.798	0.000	270815	0.02000	0.04069	80.00- 120.00	100.00

QC Flag Legend

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

EPA SAMPLE NO.

PIBLKB7(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60339/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ASHSOM02.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

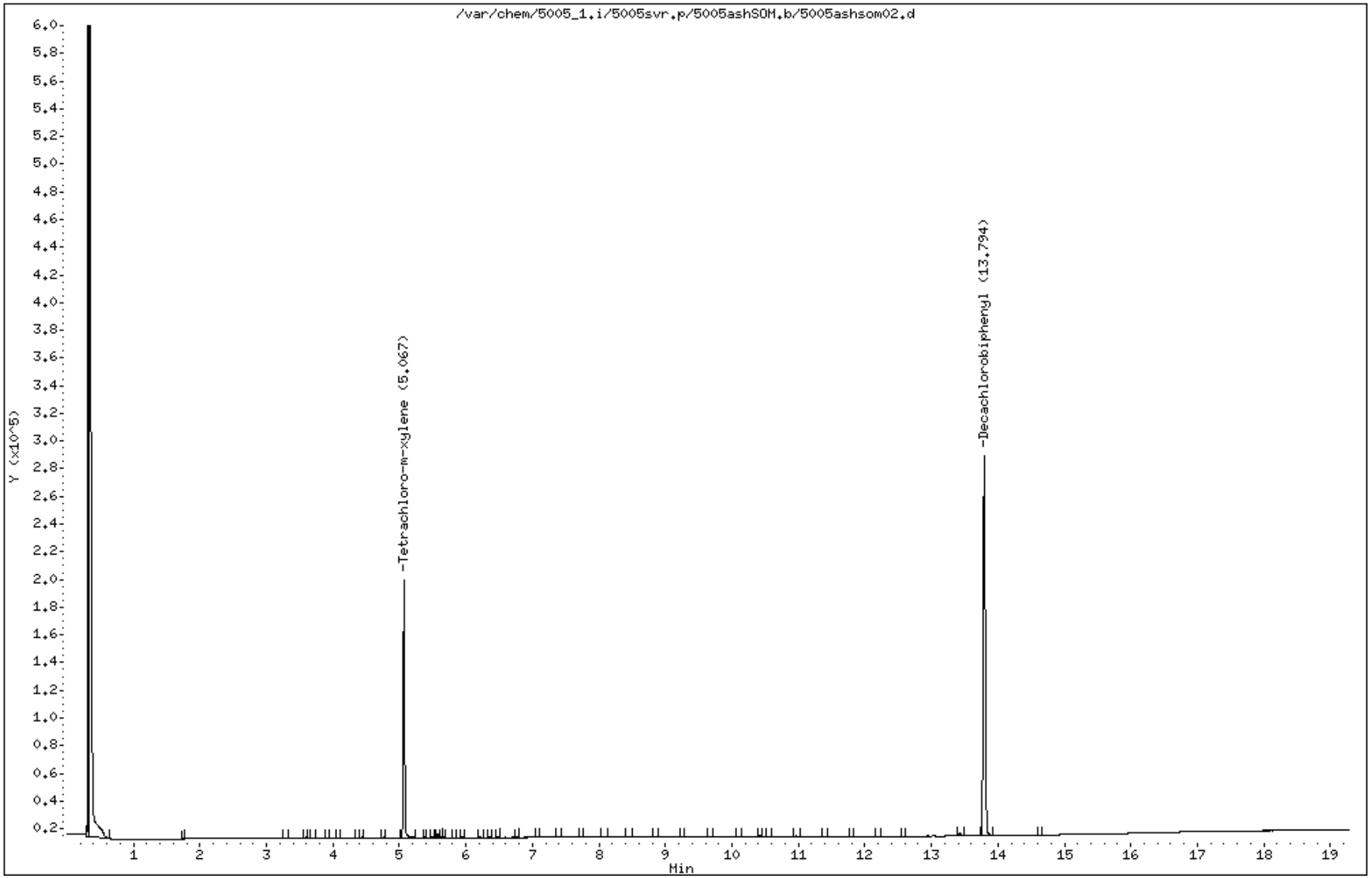
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/23/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
60-57-1	Dieldrin	0.10	U
72-20-8	Endrin	0.10	U
50-29-3	4,4'-DDT	0.10	U

Data File: /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/5005ashsom02.d
Date : 23-AUG-2013 14:48
Client ID: PIBLKB7
Instrument: 5005_1.i
Sample Info: PIBLK-521198,1,PIBLK
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/5005ashsom02.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKB7
Inj Date : 23-AUG-2013 14:48
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLK
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 27-Aug-2013 11:22 rrm Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.067	5.070	-0.003	185944	0.02000	0.01864	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.794	13.798	-0.004	274567	0.04000	0.04126	80.00- 120.00	100.00

EPA SAMPLE NO.

PIBLKB8(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60339/10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ASHSOM11.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/23/2013

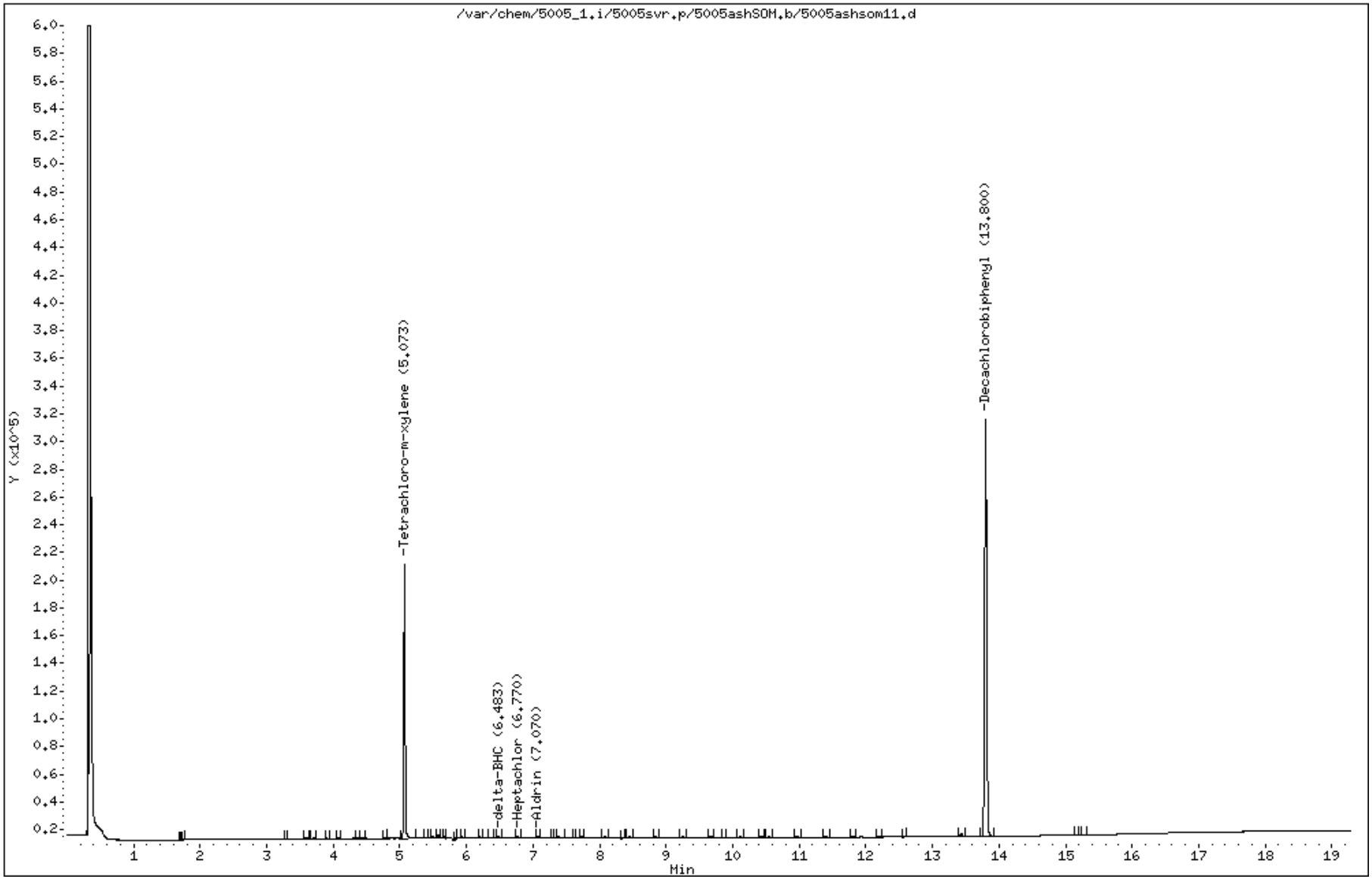
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.00079	J
309-00-2	Aldrin	0.00072	J
60-57-1	Dieldrin	0.10	U
72-20-8	Endrin	0.10	U
50-29-3	4,4'-DDT	0.10	U

Data File: /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/5005ashsom11.d
Date : 23-AUG-2013 18:11
Client ID: PIBLKB8
Sample Info: PIBLK-521198,1,PIBLKB8
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/5005ashsom11.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKB8
Inj Date : 23-AUG-2013 18:11
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLKB8
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005ashSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 27-Aug-2013 11:22 rrm Quant Type: ESTD
Cal Date : 16-AUG-2013 22:47 Cal File: 5005assom15.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.073	5.070	0.003	197370	0.02000	0.01978	80.00- 120.00		100.00
5 delta-BHC						CAS #: 319-86-8		
6.483	6.473	0.010	985	0.02000	0.00006256	80.00- 120.00		100.00(aM)
6 Heptachlor						CAS #: 76-44-8		
6.770	6.731	0.039	1065	0.02000	0.00007932	80.00- 120.00		100.00(a)
7 Aldrin						CAS #: 309-00-2		
7.070	7.114	-0.044	950	0.02000	0.00007190	80.00- 120.00		100.00(a)
$ 22 Decachlorobiphenyl						CAS #: 2051-24-3		
13.800	13.798	0.002	300441	0.04000	0.04514	80.00- 120.00		100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

EPA SAMPLE NO.

PIBLKD3(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60388/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATSOM03.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/2013

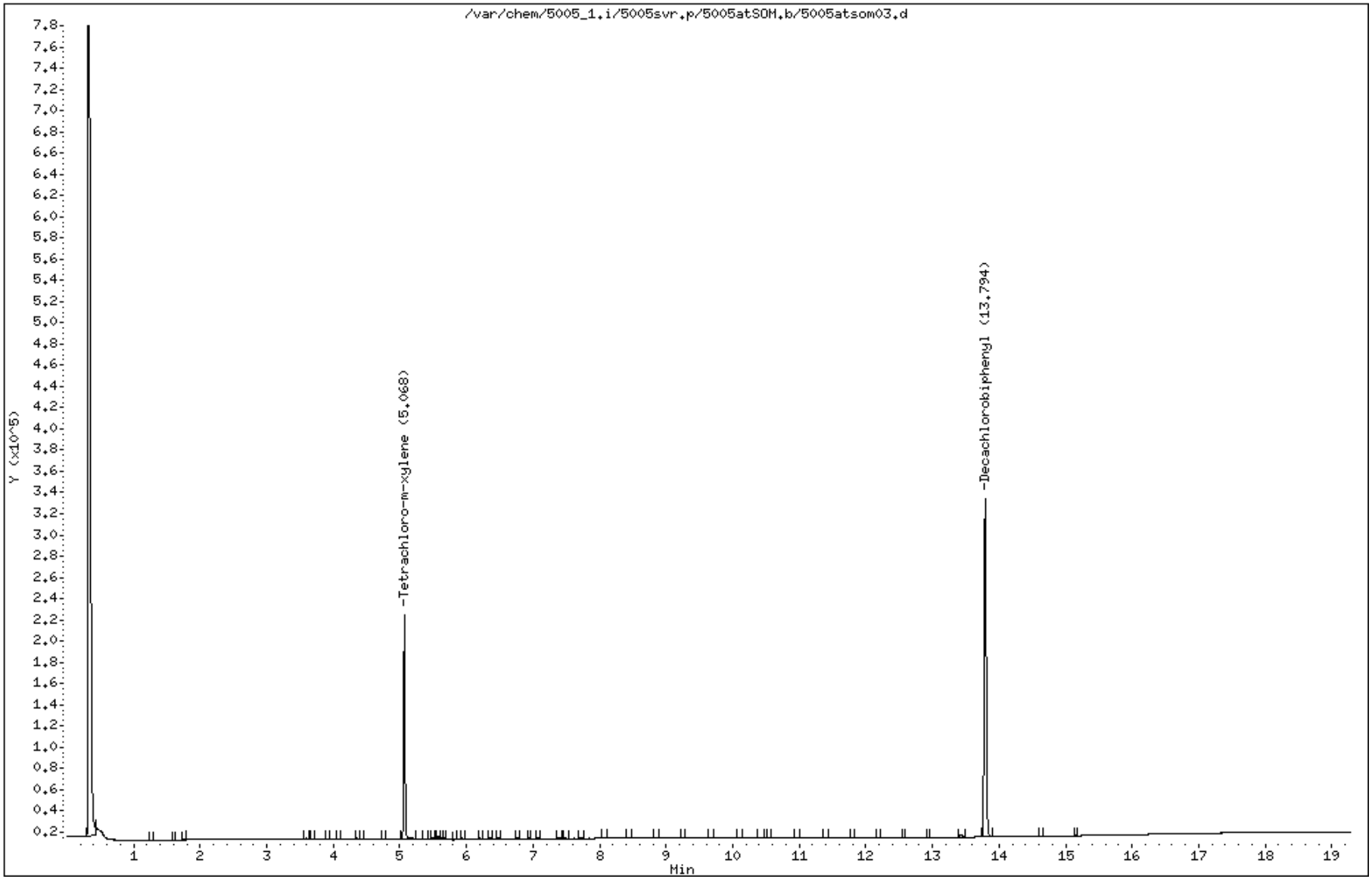
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom03.d
Date : 25-AUG-2013 18:03
Client ID: PIBLKD3
Sample Info: PIBLK-521198,1,PIBLKD3
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



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Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom03.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKD3
Inj Date : 25-AUG-2013 18:03
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLKD3
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.068	5.070	-0.002	211011	0.02000	0.01708	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.794	13.798	-0.004	319282	0.02000	0.03848	80.00- 120.00	100.00

EPA SAMPLE NO.

PIBLKD3(2)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60388/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATSOM03.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

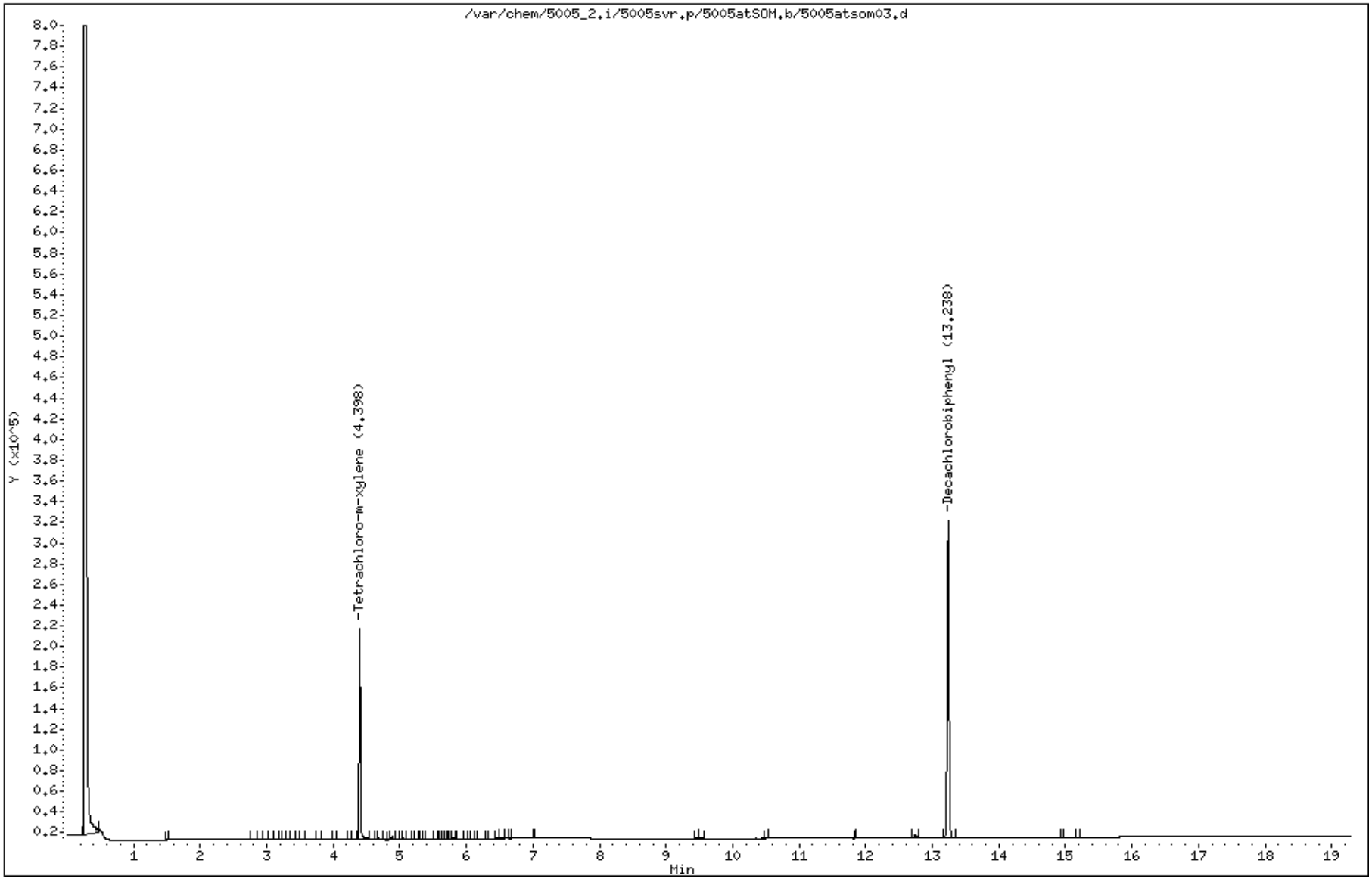
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom03.d
Date : 25-AUG-2013 18:03
Client ID: PIBLKD3
Instrument: 5005_2.i
Sample Info: PIBLK-521198,1,PIBLKD3
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLPII
Column diameter: 0.32



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Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom03.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKD3
Inj Date : 25-AUG-2013 18:03
Operator : RRM Inst ID: 5005_2.i
Smp Info : PIBLK-521198,1,PIBLKD3
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.398	4.402	-0.004	203036	0.02000	0.01679	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.238	13.241	-0.003	306370	0.04000	0.03801	80.00- 120.00	100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60388/14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATSOM16.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

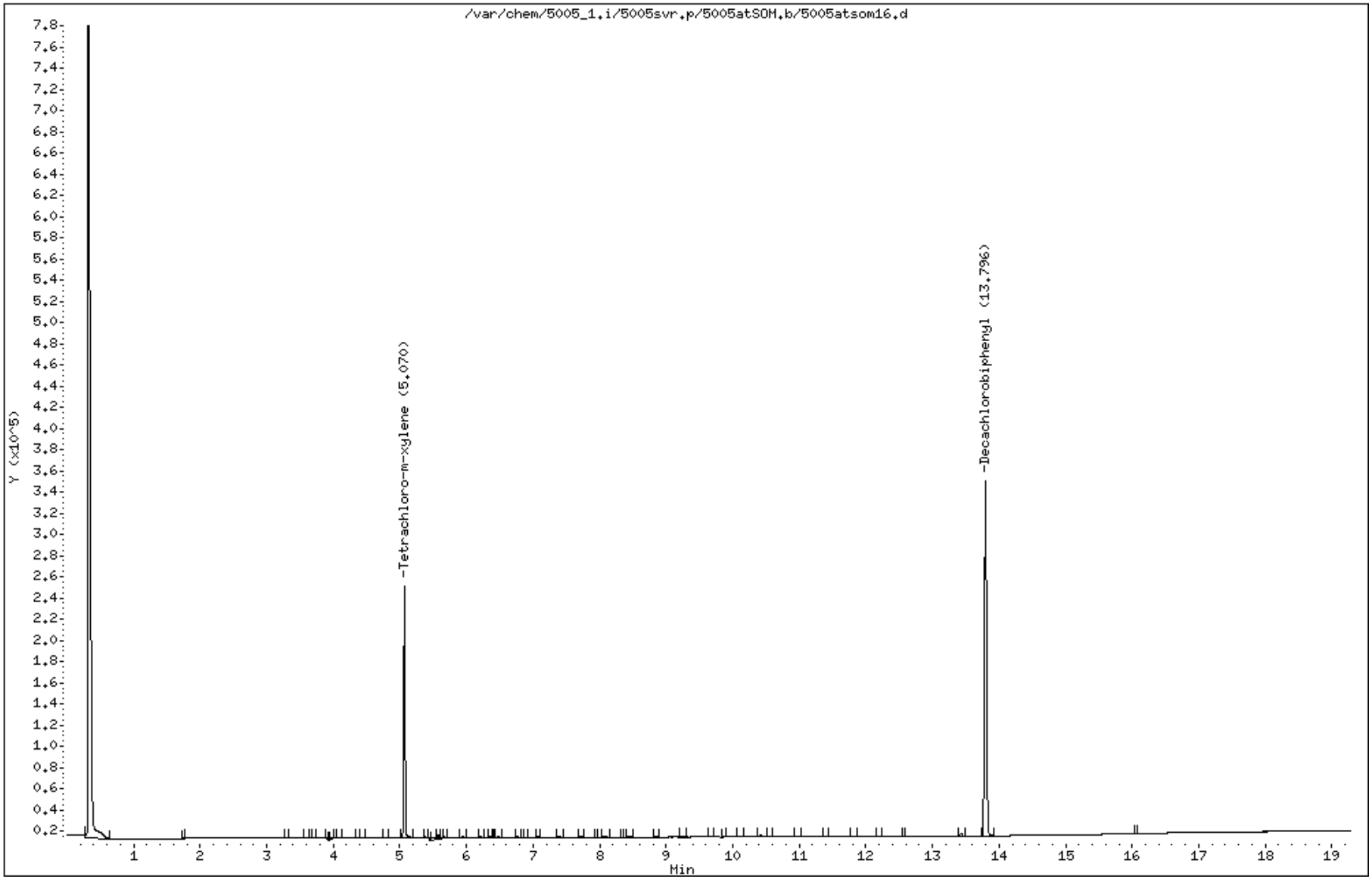
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom16.d
Date : 25-AUG-2013 22:57
Client ID: PIBLKD4
Instrument: 5005_1.i
Sample Info: PIBLK-521198,1,PIBLKD4
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLP
Column diameter: 0.32



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Data file : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/5005atsom16.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKD4
Inj Date : 25-AUG-2013 22:57
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198,1,PIBLKD4
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 28-Aug-2013 09:14 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.070	5.070	0.000	237555	0.02000	0.01923	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.796	13.798	-0.002	334772	0.02000	0.04034	80.00- 120.00	100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60388/14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATSOM16.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

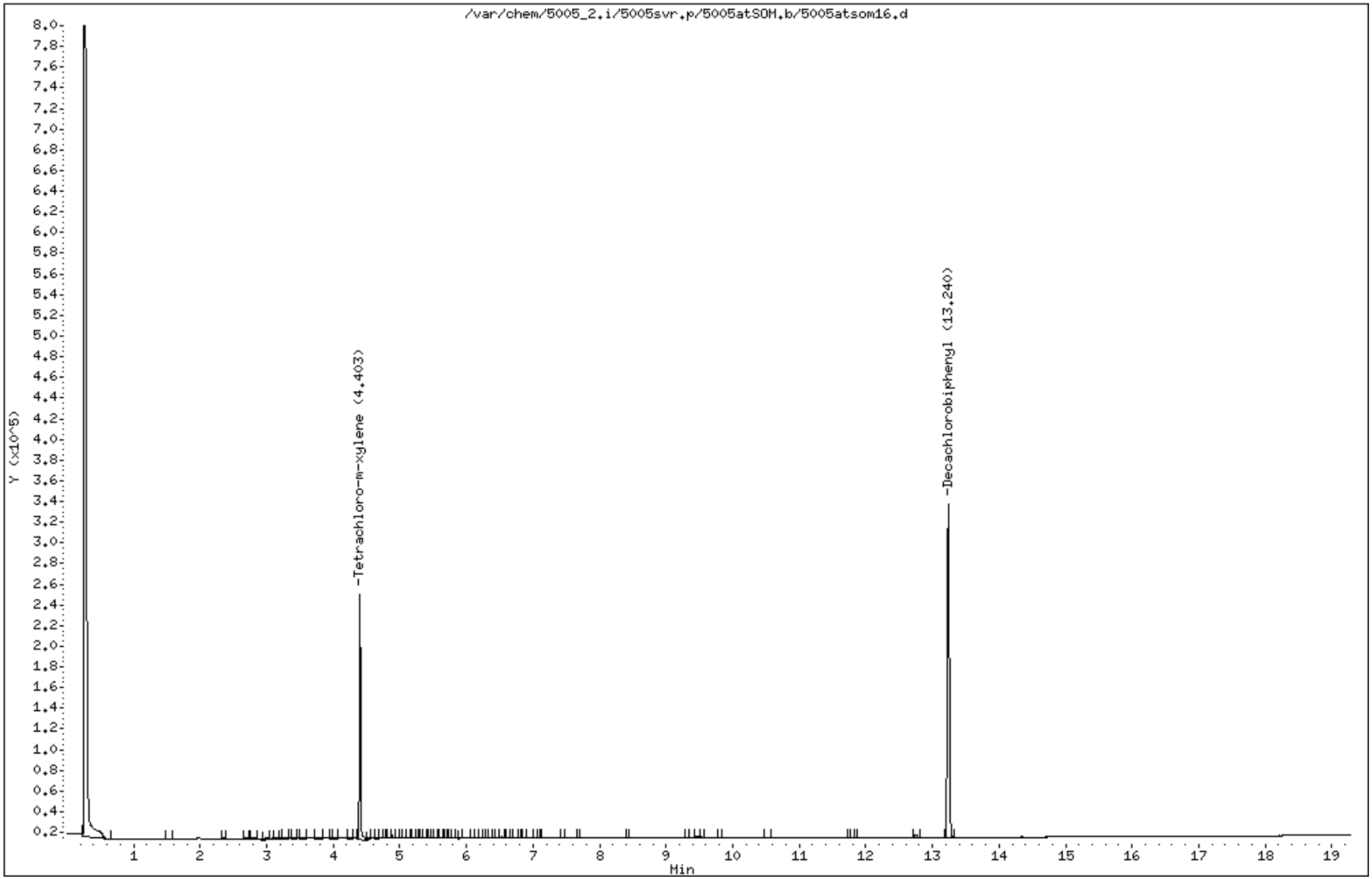
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom16.d
Date : 25-AUG-2013 22:57
Client ID: PIBLKD4
Instrument: 5005_2.i
Sample Info: PIBLK-521198,1,PIBLKD4
Volume Injected (uL): 1.0
Operator: RRM
Column phase: RTX-CLPII
Column diameter: 0.32



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Data file : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/5005atsom16.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKD4
Inj Date : 25-AUG-2013 22:57
Operator : RRM Inst ID: 5005_2.i
Smp Info : PIBLK-521198,1,PIBLKD4
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 28-Aug-2013 09:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.403	4.402	0.001	236074	0.02000	0.01952	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.240	13.241	-0.001	321653	0.04000	0.03991	80.00- 120.00	100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60479/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATDSOM02.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/28/2013

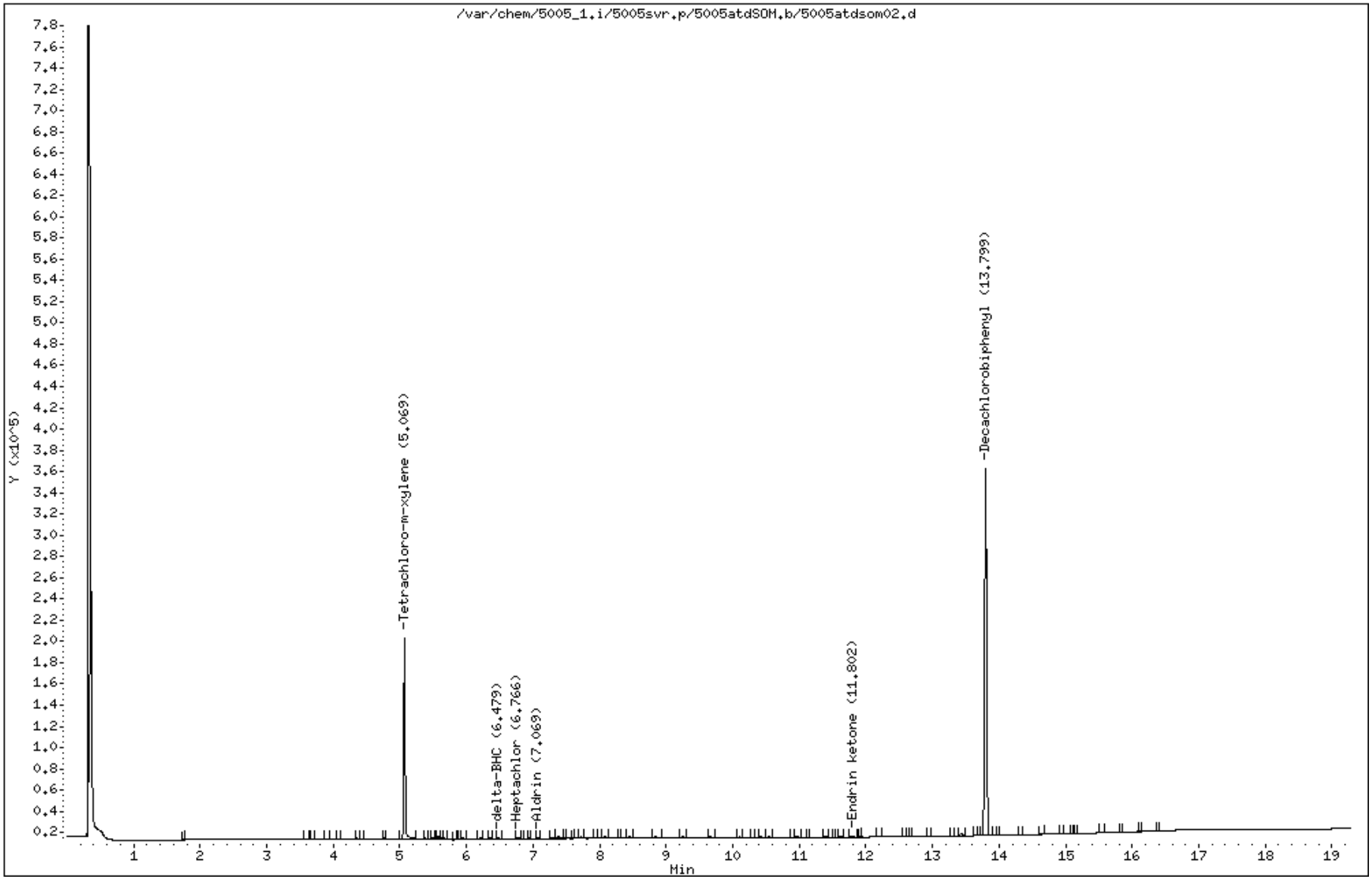
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00070	J
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.00076	J
309-00-2	Aldrin	0.00077	J
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.00072	J
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom02.d
Date : 28-AUG-2013 08:55
Client ID: PIBLKE4
Sample Info: PIBLK-521198
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom02.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKE4
Inj Date : 28-AUG-2013 08:55
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 30-Aug-2013 11:59 rjh Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.069	5.070	-0.001	188433	0.02000	0.01525	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.479	6.477	0.002	1354	0.00000	0.00007003	80.00- 120.00	100.00(a)
6 Heptachlor					CAS #: 76-44-8		
6.766	6.734	0.032	1303	0.00000	0.00007635	80.00- 120.00	100.00(a)
7 Aldrin					CAS #: 309-00-2		
7.069	7.118	-0.049	1298	0.00000	0.00007713	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
11.802	11.804	-0.002	714	0.00000	0.00007224	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.799	13.798	0.001	344992	0.04000	0.04157	80.00- 120.00	100.00

QC Flag Legend

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

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60479/1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATDSOM02.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/28/2013

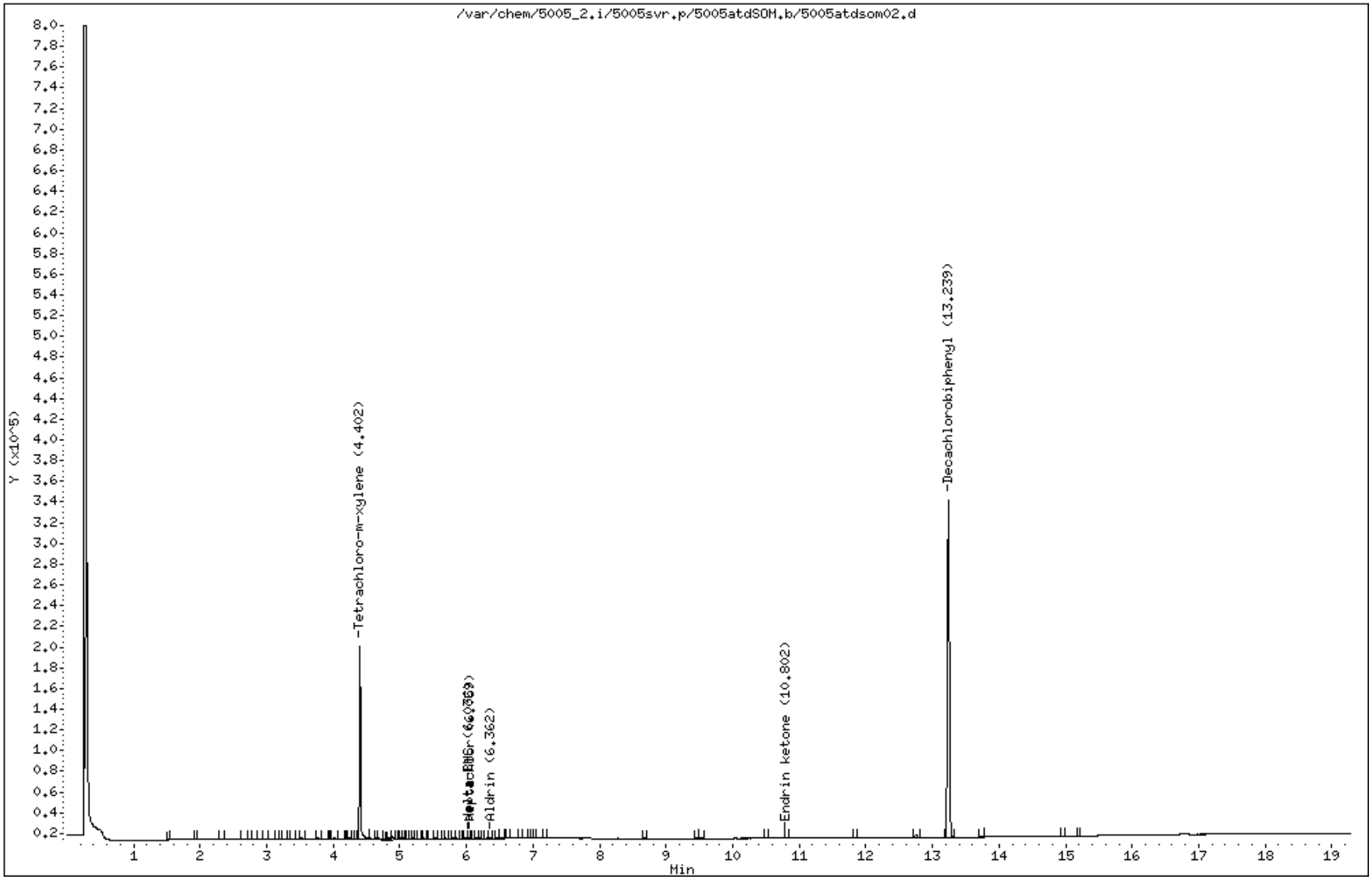
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.00020	J
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.00014	J
309-00-2	Aldrin	0.00011	J
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.00029	J
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom02.d
Date : 28-AUG-2013 08:55
Client ID: PIBLKE4
Sample Info: PIBLK-521198
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom02.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKE4
Inj Date : 28-AUG-2013 08:55
Operator : RRM Inst ID: 5005_2.i
Smp Info : PIBLK-521198
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 30-Aug-2013 12:01 rjh Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.402	4.402	0.000	186403	0.02000	0.01541	80.00- 120.00	100.00
5 delta-BHC					CAS #: 319-86-8		
6.036	6.019	0.017	472	0.00000	0.00002016	80.00- 120.00	100.00(aM)
6 Heptachlor					CAS #: 76-44-8		
6.059	6.050	0.009	281	0.00000	0.00001442	80.00- 120.00	100.00(aM)
7 Aldrin					CAS #: 309-00-2		
6.362	6.389	-0.027	212	0.00000	0.00001124	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
10.802	10.785	0.017	298	0.00000	0.00002947	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.239	13.241	-0.002	325915	0.04000	0.04043	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom02.d
Lab Sample ID: PIBLK-521198
Inj. Date and Time: 28-AUG-2013 08:55
Instrument ID: 5005_2.i
Client ID: PIBLKE4
Compound: 5 delta-BHC
CAS #: 319-86-8
Report Date: 08/30/2013

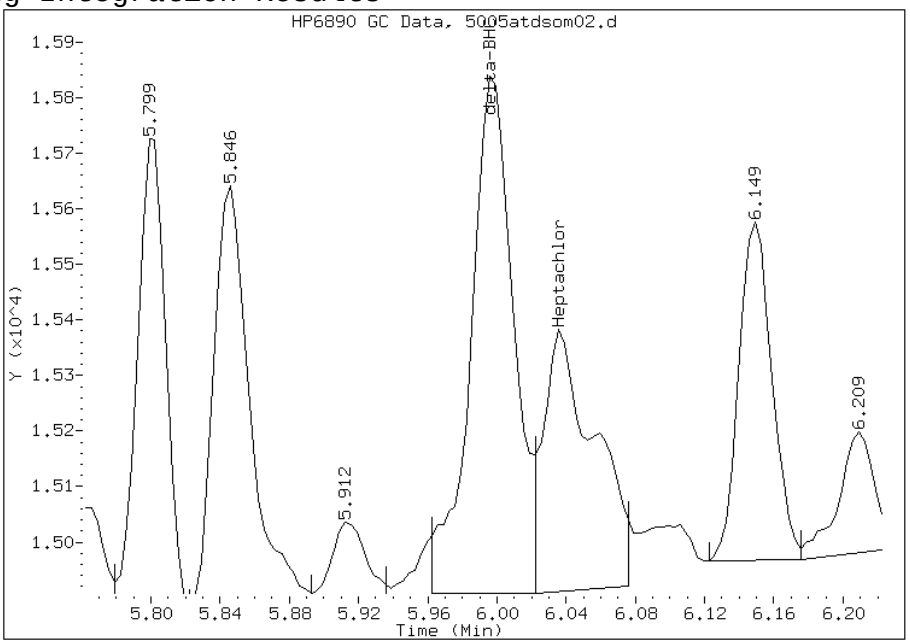
Processing Integration Results

RT: 6.00

Response: 930

Amount: 0.000040

Conc: 0.000040



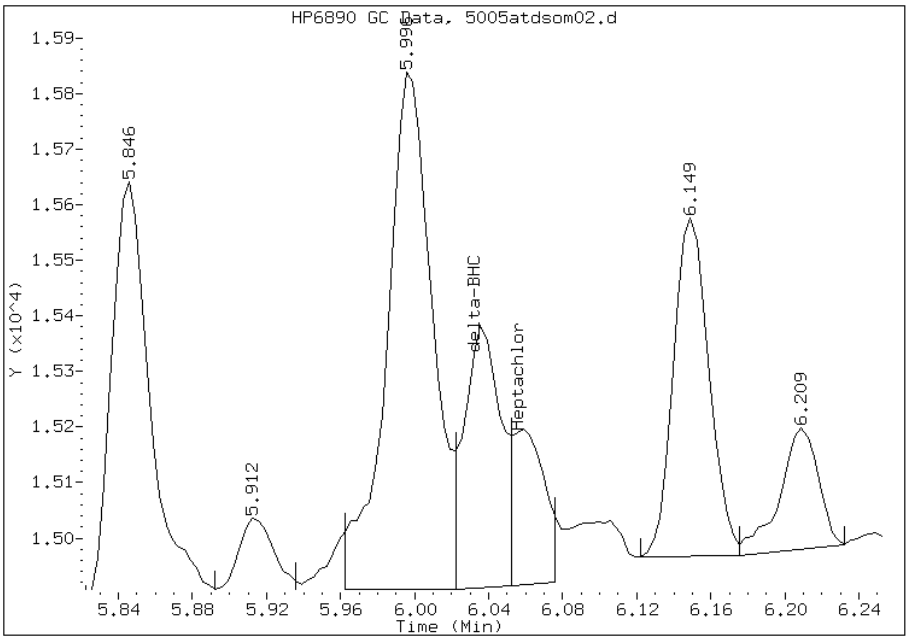
Manual Integration Results

RT: 6.04

Response: 472

Amount: 0.000020

Conc: 0.000020



File Uploaded By: rjh
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom02.d
Lab Sample ID: PIBLK-521198
Inj. Date and Time: 28-AUG-2013 08:55
Instrument ID: 5005_2.i
Client ID: PIBLKE4
Compound: 6 Heptachlor
CAS #: 76-44-8
Report Date: 08/30/2013

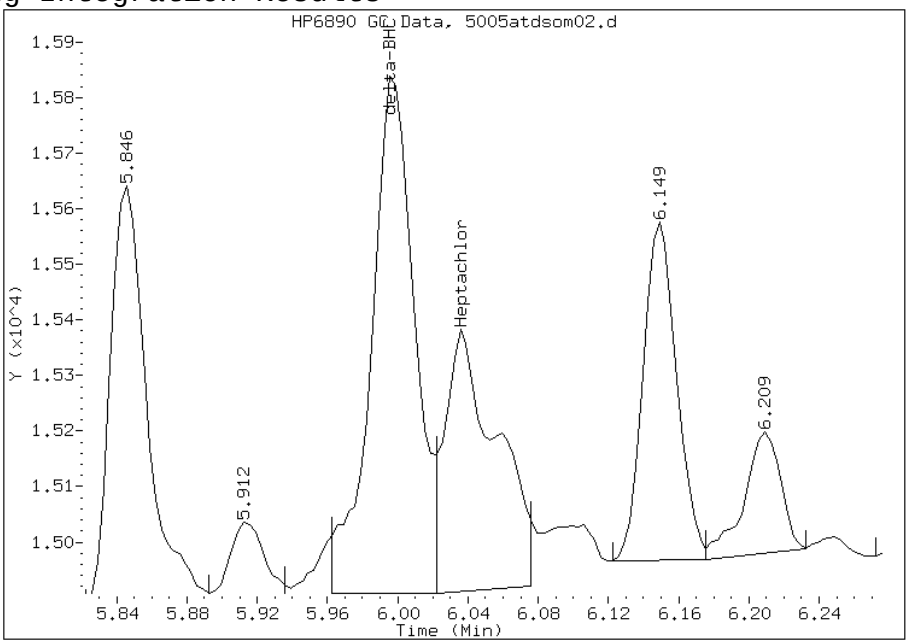
Processing Integration Results

RT: 6.04

Response: 472

Amount: 0.000024

Conc: 0.000024



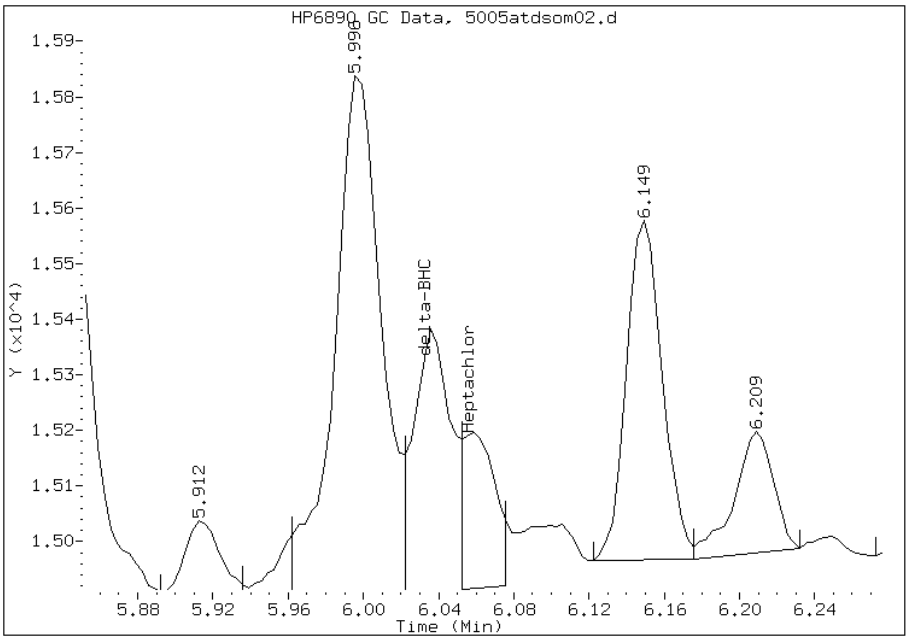
Manual Integration Results

RT: 6.06

Response: 281

Amount: 0.000014

Conc: 0.000014



File Uploaded By: rjh
Manual Integration Reason: Baseline event

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60479/7

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATDSOM08.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/28/2013

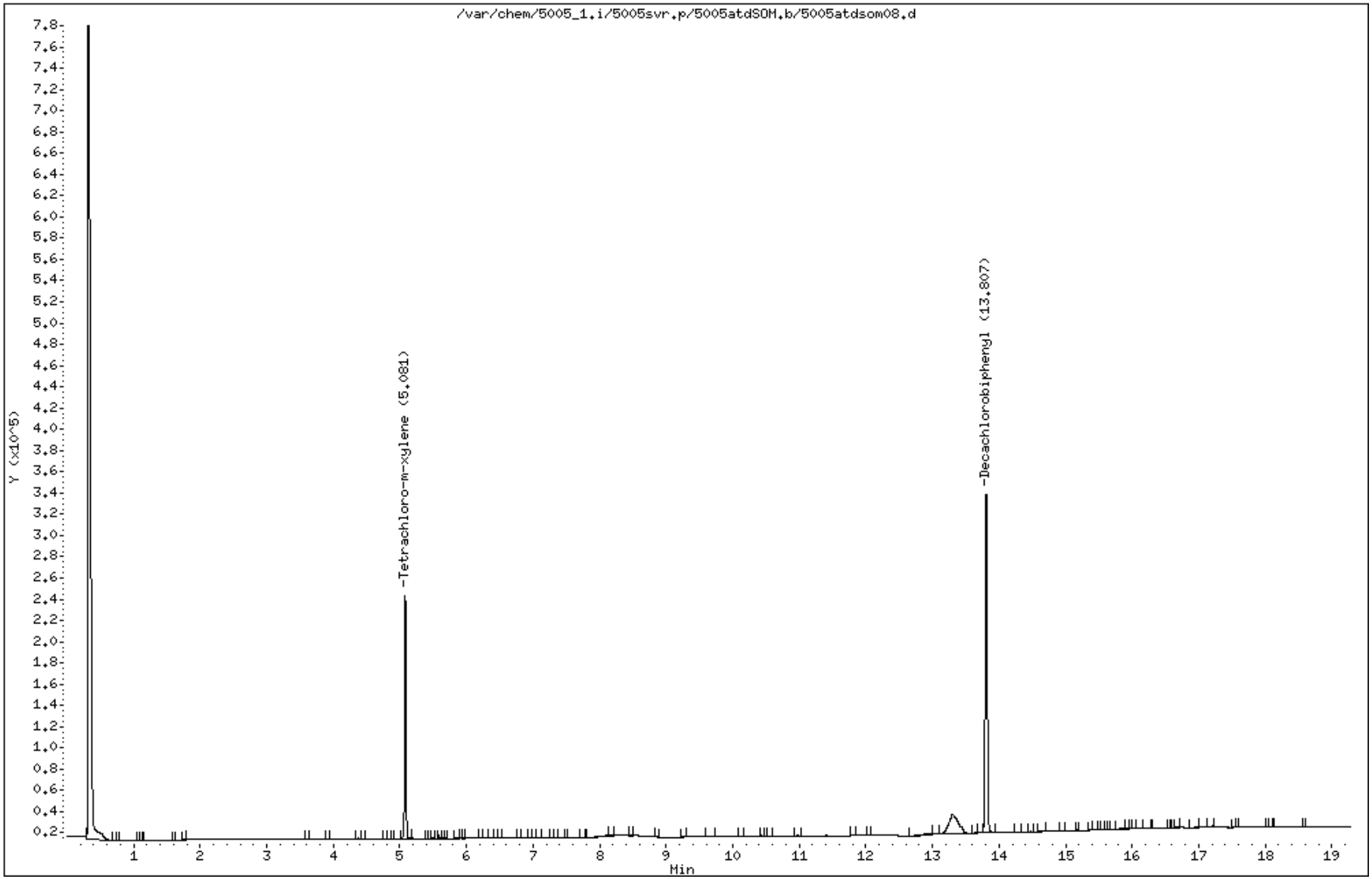
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom08.d
Date : 28-AUG-2013 11:19
Client ID: PIBLKE5
Sample Info: PIBLK-521198
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom08.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKE5
Inj Date : 28-AUG-2013 11:19
Operator : RRM Inst ID: 5005_1.i
Smp Info : PIBLK-521198
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 30-Aug-2013 11:59 rjh Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.081	5.070	0.011	229301	0.02000	0.01856	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.807	13.798	0.009	318258	0.04000	0.03835	80.00- 120.00	100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60479/7

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5005ATDSOM08.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/28/2013

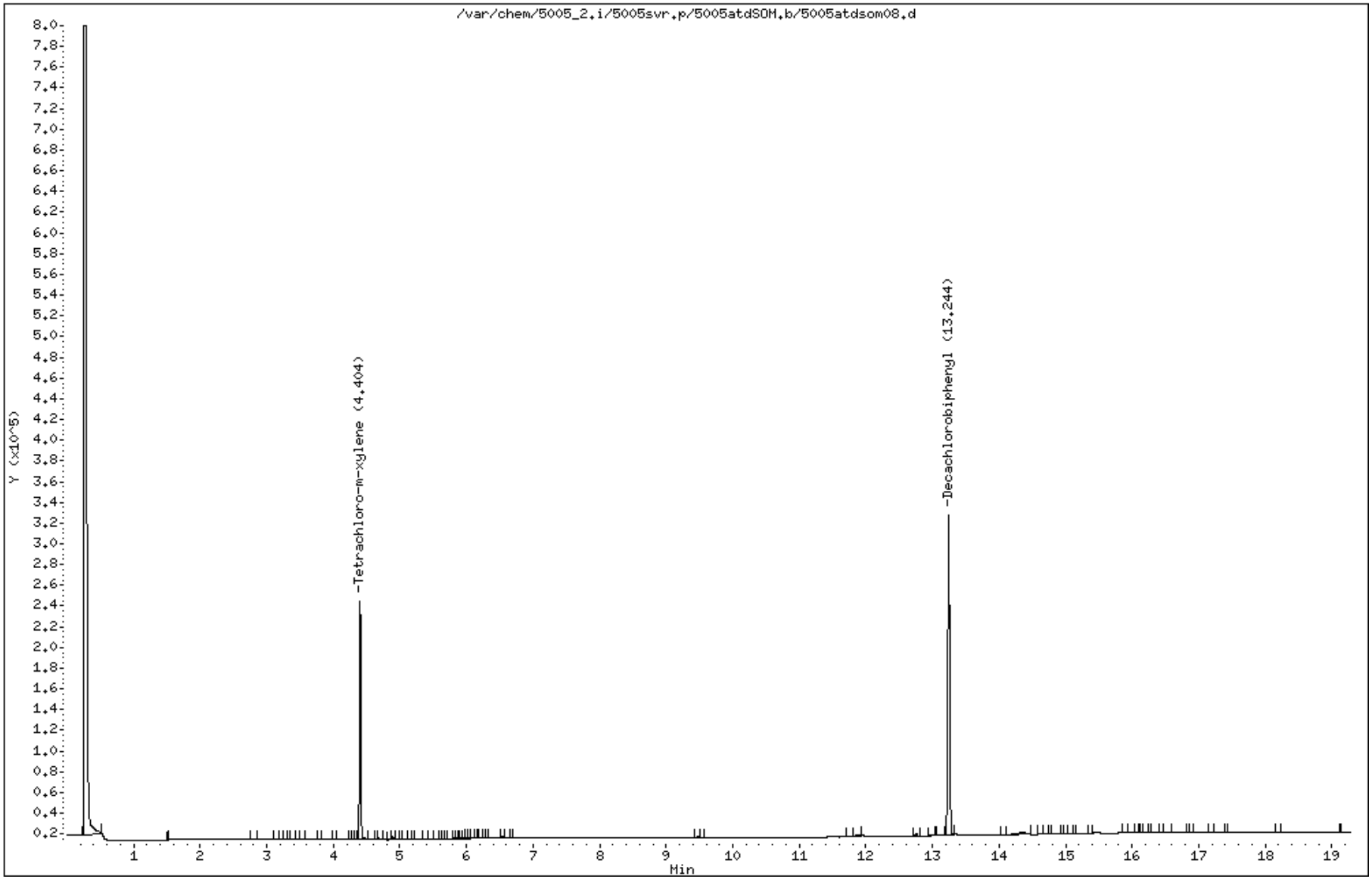
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom08.d
Date : 28-AUG-2013 11:19
Client ID: PIBLKE5
Sample Info: PIBLK-521198
Volume Injected (uL): 1.0
Column phase: RTX-CLPII

Instrument: 5005_2.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom08.d
Lab Smp Id: PIBLK-521198 Client Smp ID: PIBLKE5
Inj Date : 28-AUG-2013 11:19
Operator : RRM Inst ID: 5005_2.i
Smp Info : PIBLK-521198
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 30-Aug-2013 12:01 rjh Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.404	4.402	0.002	229739	0.02000	0.01900	80.00- 120.00	100.00
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.244	13.241	0.003	309130	0.04000	0.03835	80.00- 120.00	100.00

EPA SAMPLE NO.

PLCSX7(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: LCS 200-59240/2-D

Sample wt/vol: 29.3 (g/mL) g Lab File ID: 5005ATDSOM05.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/2013

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	0.015	J P
319-85-7	beta-BHC	0.035	J P
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	0.88	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.1	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.2	J
72-55-9	4,4'-DDE	2.0	J
72-20-8	Endrin	2.2	J B
33213-65-9	Endosulfan II	0.053	J P B
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	2.3	J
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.15	J P
7421-93-4	Endrin aldehyde	2.1	J P
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.0	J
8001-35-2	Toxaphene	170	U

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: LCS 200-59240/2-D

Sample wt/vol: 29.3 (g/mL) g Lab File ID: 5005ATDSOM05.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/2013

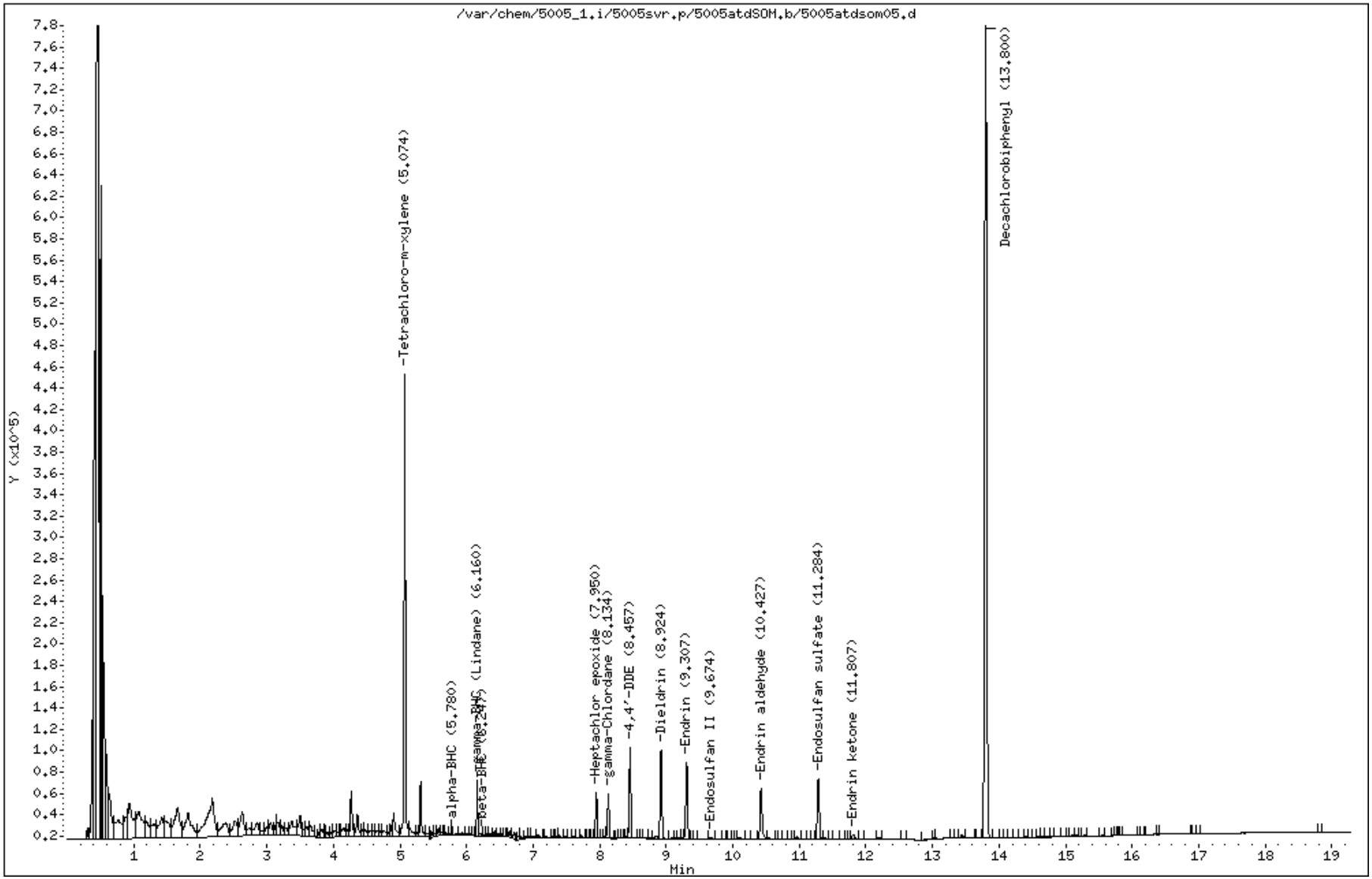
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	0.043	J
319-85-7	beta-BHC	0.24	J
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	0.92	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.1	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.2	J
72-55-9	4,4'-DDE	2.0	J
72-20-8	Endrin	2.2	J B
33213-65-9	Endosulfan II	0.024	J P B
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	2.2	J
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.12	J P
7421-93-4	Endrin aldehyde	0.093	J P
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.0	J
8001-35-2	Toxaphene	170	U

Data File: /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom05.d
Date : 28-AUG-2013 10:02
Client ID: PLCSX7
Sample Info: LCS 200-59240/2-D
Volume Injected (uL): 1.0
Column phase: RTX-CLP

Instrument: 5005_1.i
Operator: RRM
Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/5005atdsom05.d
Lab Smp Id: LCS 200-59240/2-D Client Smp ID: PLCSX7
Inj Date : 28-AUG-2013 10:02
Operator : RRM Inst ID: 5005_1.i
Smp Info : LCS 200-59240/2-D
Misc Info :
Comment :
Method : /var/chem/5005_1.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLP.m
Meth Date : 29-Aug-2013 12:05 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.074	5.070	0.004	434020	0.03513	0.03513	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.780	5.789	-0.009	959	<0.0	0.00004523	80.00- 120.00	100.00(aM)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
6.160	6.160	0.000	51443	0.00257	0.002570	80.00- 120.00	100.00(aM)
4 beta-BHC					CAS #: 319-85-7		
6.247	6.264	-0.017	803	0.000103	0.0001033	80.00- 120.00	100.00(aM)
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.950	7.949	0.001	42559	0.00316	0.003162	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
8.134	8.130	0.004	41916	0.00300	0.002999	80.00- 120.00	100.00(a)
11 4,4'-DDE					CAS #: 72-55-9		
8.457	8.454	0.003	85548	0.00600	0.006003	80.00- 120.00	100.00(a)

				CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
13 Dieldrin					CAS #: 60-57-1		
8.924	8.920	0.004	83026	0.00649	0.006494	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
9.307	9.308	-0.001	71932	0.00637	0.006370	80.00- 120.00	100.00(a)
16 Endosulfan II					CAS #: 33213-65-9		
9.674	9.691	-0.017	1493	0.000154	0.0001540	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
10.427	10.464	-0.037	47299	0.00607	0.006074	80.00- 120.00	100.00(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
11.284	11.281	0.003	56746	0.00662	0.006625	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
11.807	11.804	0.003	4330	0.000438	0.0004381	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.800	13.798	0.002	830540	0.10009	0.1001	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_1.i
Client ID: PLCSX7
Compound: 2 alpha-BHC
CAS #: 319-84-6
Report Date: 08/29/2013

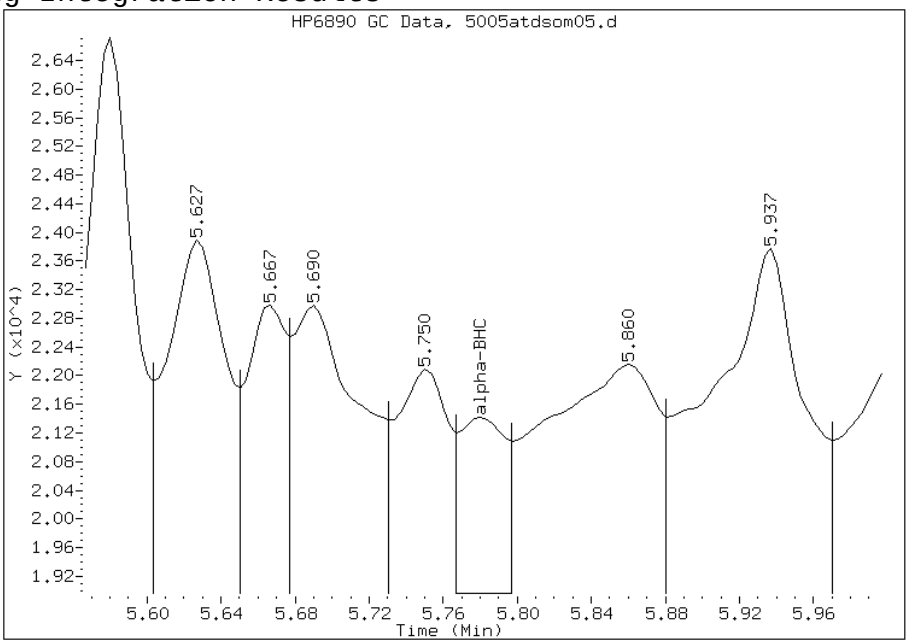
Processing Integration Results

RT: 5.78

Response: 2458

Amount: 0.000116

Conc: 0.000116



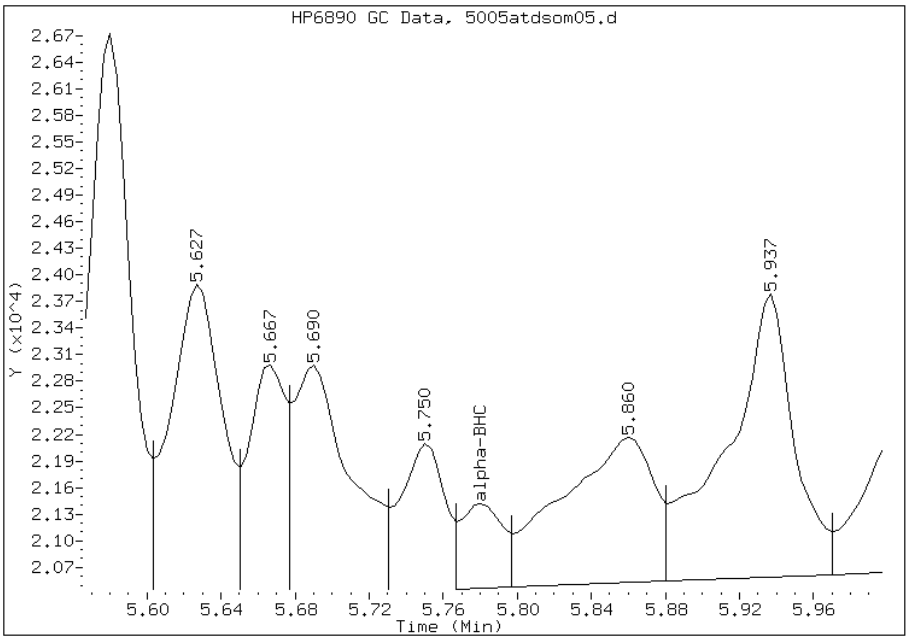
Manual Integration Results

RT: 5.78

Response: 959

Amount: 0.000045

Conc: 0.000045



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_1.i
Client ID: PLCSX7
Compound: 3 gamma-BHC (Lindane)
CAS #: 58-89-9
Report Date: 08/29/2013

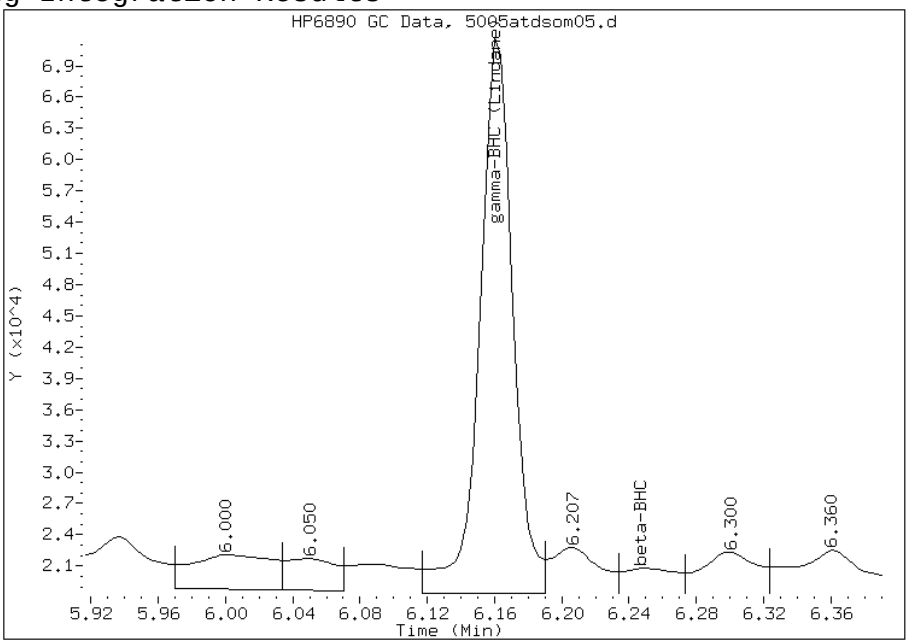
Processing Integration Results

RT: 6.16

Response: 53359

Amount: 0.002666

Conc: 0.002666



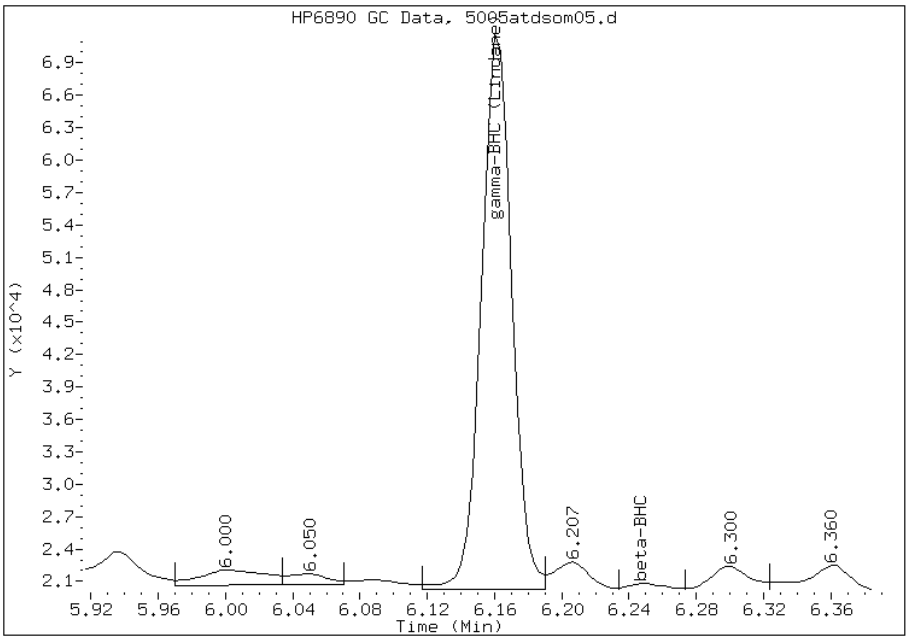
Manual Integration Results

RT: 6.16

Response: 51443

Amount: 0.002570

Conc: 0.002570



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_1.i
Client ID: PLCSX7
Compound: 4 beta-BHC
CAS #: 319-85-7
Report Date: 08/29/2013

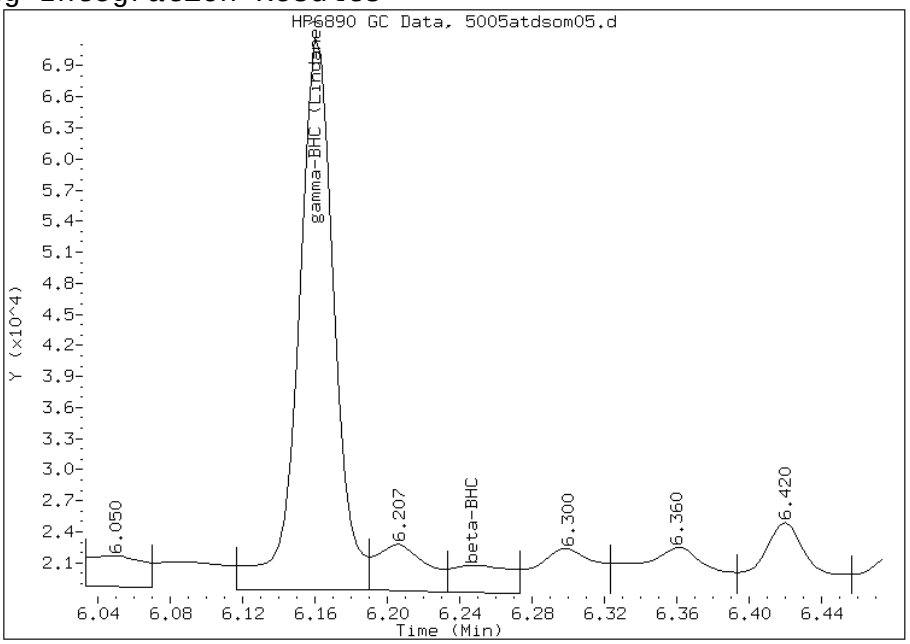
Processing Integration Results

RT: 6.25

Response: 2619

Amount: 0.000337

Conc: 0.000337



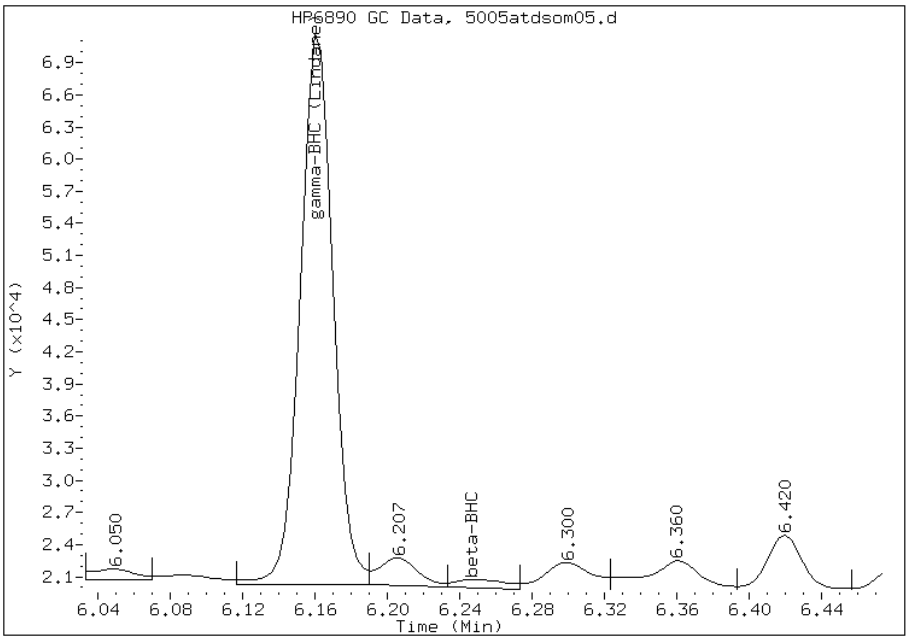
Manual Integration Results

RT: 6.25

Response: 803

Amount: 0.000103

Conc: 0.000103



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Data File: /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom05.d

Date : 28-AUG-2013 10:02

Client ID: PLCSX7

Instrument: 5005_2.i

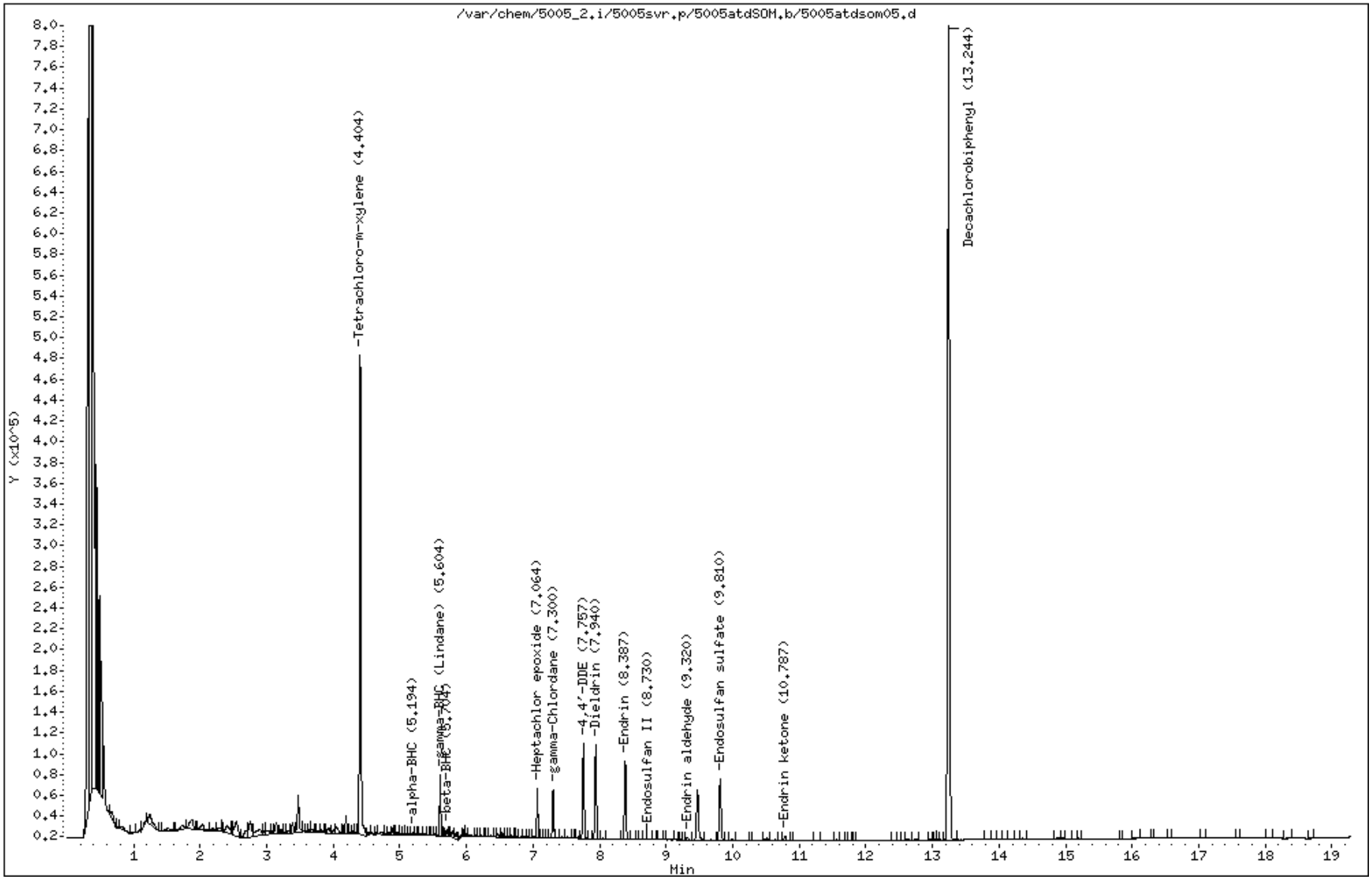
Sample Info: LCS 200-59240/2-D

Volume Injected (uL): 1.0

Operator: RRM

Column phase: RTX-CLPII

Column diameter: 0.32



TestAmerica Burlington

Data file : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/5005atdsom05.d
Lab Smp Id: LCS 200-59240/2-D Client Smp ID: PLCSX7
Inj Date : 28-AUG-2013 10:02
Operator : RRM Inst ID: 5005_2.i
Smp Info : LCS 200-59240/2-D
Misc Info :
Comment :
Method : /var/chem/5005_2.i/5005svr.p/5005atdSOM.b/SOM01PEST_RTXCLPII.m
Meth Date : 29-Aug-2013 12:34 rrm Quant Type: ESTD
Cal Date : 25-AUG-2013 22:35 Cal File: 5005atsom15.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.404	4.402	0.002	460364	0.03807	0.03807	80.00- 120.00	100.00
2 alpha-BHC					CAS #: 319-84-6		
5.194	5.200	-0.006	2963	0.000126	0.0001256	80.00- 120.00	100.00(aM)
3 gamma-BHC (Lindane)					CAS #: 58-89-9		
5.604	5.601	0.003	58823	0.00270	0.002704	80.00- 120.00	100.00(aM)
4 beta-BHC					CAS #: 319-85-7		
5.704	5.715	-0.011	6154	0.000703	0.0007030	80.00- 120.00	100.00(aM)
8 Heptachlor epoxide					CAS #: 1024-57-3		
7.064	7.061	0.003	47939	0.00319	0.003190	80.00- 120.00	100.00(a)
9 gamma-Chlordane					CAS #: 5103-74-2		
7.300	7.300	0.000	46393	0.00305	0.003048	80.00- 120.00	100.00(a)
11 4,4'-DDE					CAS #: 72-55-9		
7.757	7.759	-0.002	91584	0.00597	0.005970	80.00- 120.00	100.00(a)

				CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
13 Dieldrin					CAS #: 60-57-1		
7.940	7.940	0.000	90177	0.00645	0.006452	80.00- 120.00	100.00(a)
14 Endrin					CAS #: 72-20-8		
8.387	8.386	0.001	75797	0.00643	0.006430	80.00- 120.00	100.00(a)
16 Endosulfan II					CAS #: 33213-65-9		
8.730	8.730	0.000	750	<0.0	0.00007015	80.00- 120.00	100.00(a)
18 Endrin aldehyde					CAS #: 7421-93-4		
9.320	9.311	0.009	2311	0.000273	0.0002727	80.00- 120.00	100.00(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
9.810	9.810	0.000	58567	0.00655	0.006549	80.00- 120.00	100.00(a)
21 Endrin ketone					CAS #: 53494-70-5		
10.787	10.785	0.002	3514	0.000348	0.0003475	80.00- 120.00	100.00(a)
$ 22 Decachlorobiphenyl					CAS #: 2051-24-3		
13.244	13.241	0.003	782479	0.09708	0.09708	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_2.i
Client ID: PLCSX7
Compound: 2 alpha-BHC
CAS #: 319-84-6
Report Date: 08/29/2013

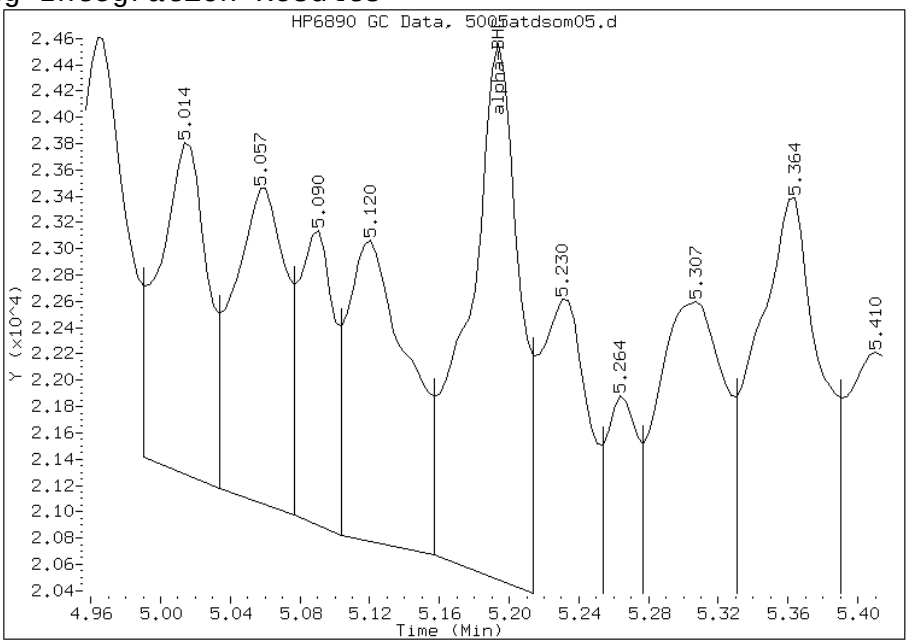
Processing Integration Results

RT: 5.19

Response: 4077

Amount: 0.000173

Conc: 0.000173



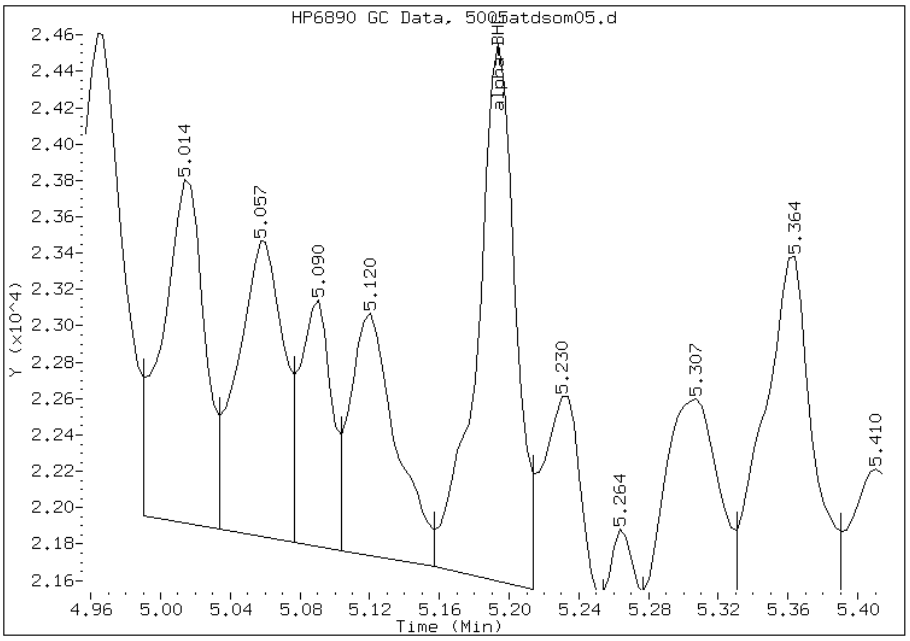
Manual Integration Results

RT: 5.19

Response: 2963

Amount: 0.000126

Conc: 0.000126



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_2.i
Client ID: PLCSX7
Compound: 3 gamma-BHC (Lindane)
CAS #: 58-89-9
Report Date: 08/29/2013

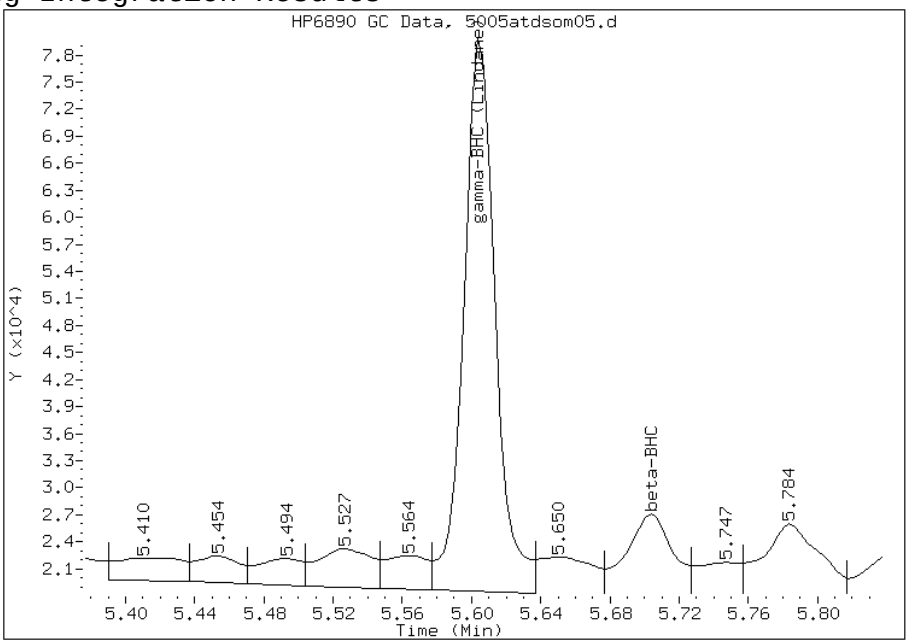
Processing Integration Results

RT: 5.60

Response: 61451

Amount: 0.002825

Conc: 0.002825



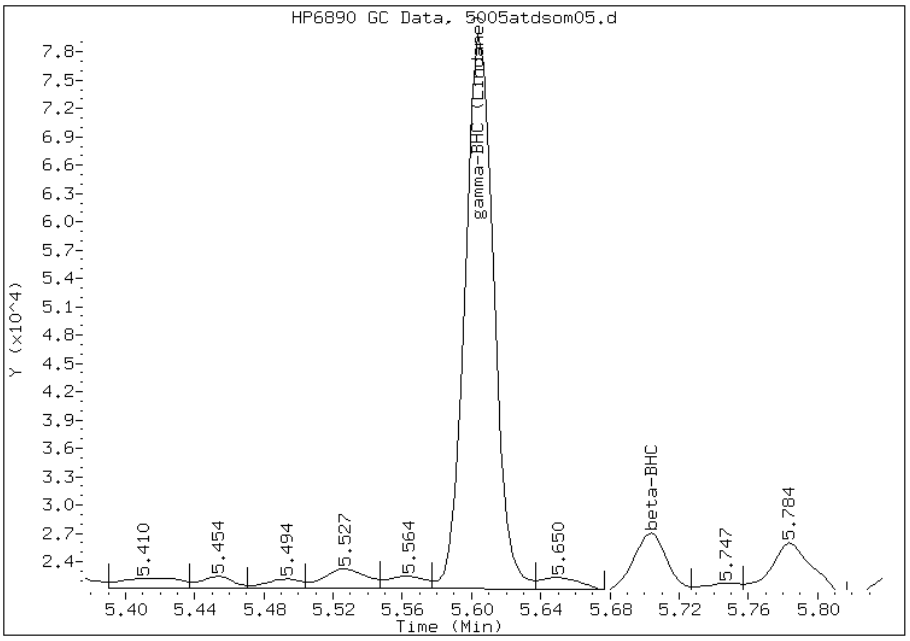
Manual Integration Results

RT: 5.60

Response: 58823

Amount: 0.002704

Conc: 0.002704



File Uploaded By: rrm
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5005atdsom05.d
Lab Sample ID: LCS 200-59240/2-D
Inj. Date and Time: 28-AUG-2013 10:02
Instrument ID: 5005_2.i
Client ID: PLCSX7
Compound: 4 beta-BHC
CAS #: 319-85-7
Report Date: 08/29/2013

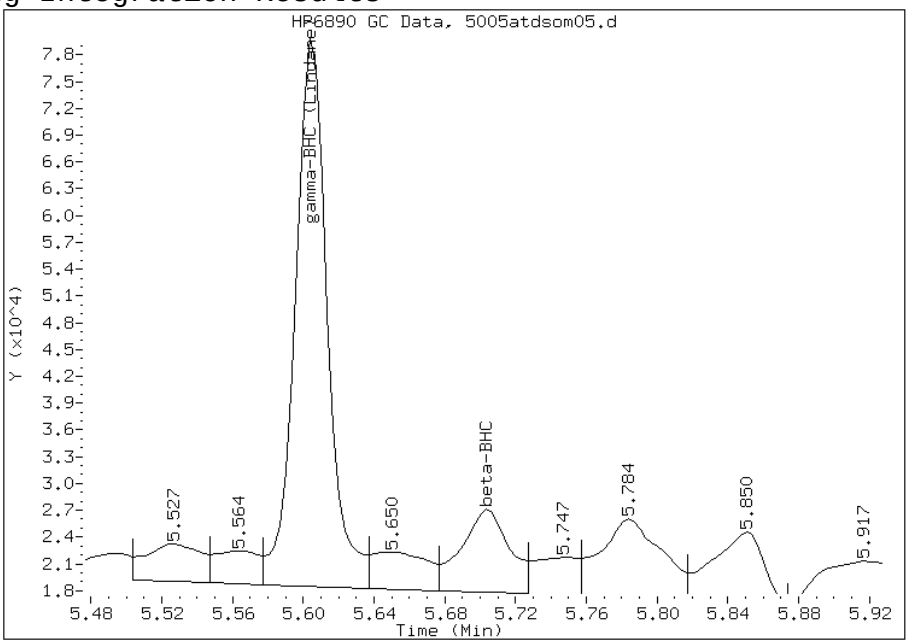
Processing Integration Results

RT: 5.70

Response: 9286

Amount: 0.001061

Conc: 0.001061



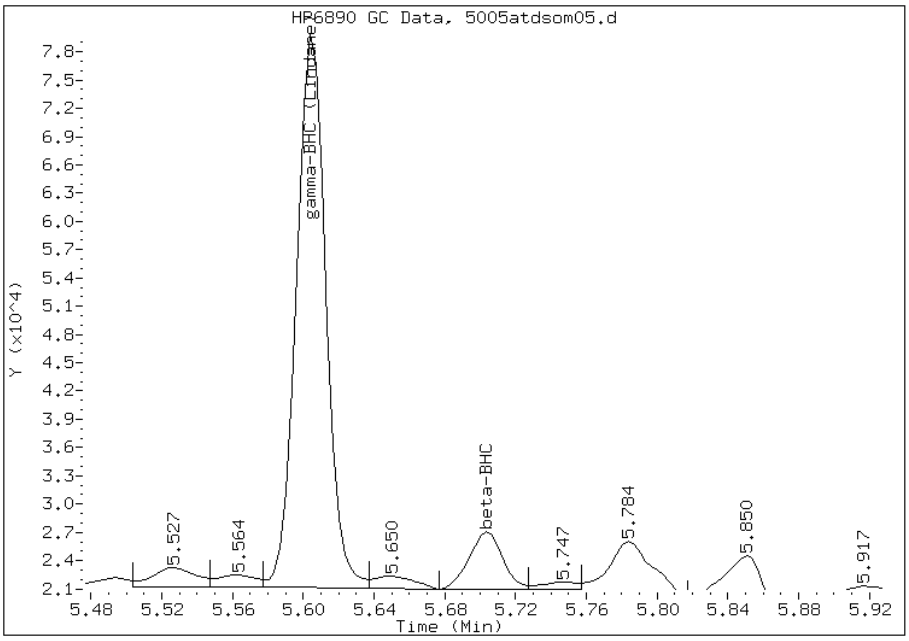
Manual Integration Results

RT: 5.70

Response: 6154

Amount: 0.000703

Conc: 0.000703



File Uploaded By: rrm
Manual Integration Reason: Baseline event

2R - FORM II ARO-2
SOIL AROCLOR SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column(1): RTX-5 ID: 0.25 (mm) GC Column(2): RTX-35 ID: 0.25 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLKI3	93	93	102	96			0
02	ALCSI3	97	97	104	101			0
03	TS003 (072413)	93	93	97	92			0
04	TS004 (072413)	95	92	101	93			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3P - FORM III ARO-4
SOIL AROCLOR LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
ALCSI3

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: LCS 200-59239/2-C LCS Lot No.: A086503

Date Extracted: 08/01/2013 Date Analyzed (1): 08/14/2013

Instrument ID (1): 5253_1.i GC Column (1): RTX-5 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
AR1016	33.7	38	113	50-150
AR1260	33.7	39	115	50-150

Instrument ID (2): 5253_2.i GC Column (2): RTX-35 ID: 0.25 (mm)

Date Analyzed (2): 08/14/2013

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
AR1016	33.7	34	100	50-150
AR1260	33.7	38	113	50-150

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO
AROCLOR METHOD BLANK SUMMARY

EPA SAMPLE NO.
ABLKI3

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab File ID: 5253CHASOM07.D Lab Sample ID: MB 200-59239/1-C

Matrix: (SOIL/SED/WATER) Soil Extraction: (Type) SONC Date Extracted: 08/01/2013

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N) Y

Date Analyzed (1): 08/14/2013 Date Analyzed (2): 08/14/2013

Time Analyzed (1): 1232 Time Analyzed (2): 1232

Instrument ID (1): 5253_1.i Instrument ID (2): 5253_2.i

GC Column(1): RTX-5 ID: 0.25 (mm) GC Column(2): RTX-35 ID: 0.25 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCSI3	LCS 200-59239/2-C	08/14/2013	08/14/2013
02	TS003 (072413)	200-17642-2	08/14/2013	08/14/2013
03	TS004 (072413)	200-17642-3	08/14/2013	08/14/2013

COMMENTS:

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-2

Sample wt/vol: 29.2 (g/mL) g Lab File ID: 5253CHASOM09.D

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/24/2013

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

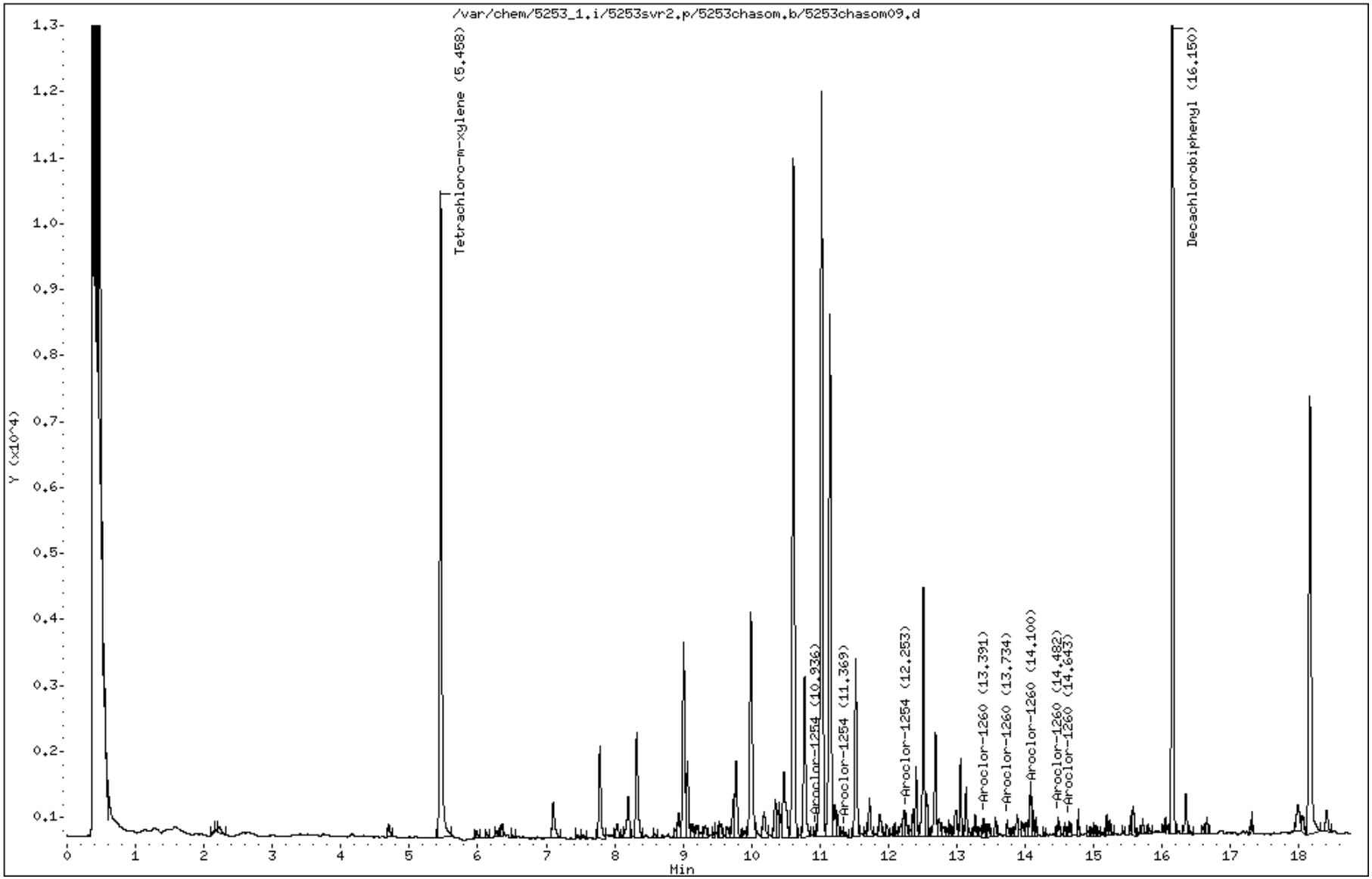
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	41	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	13	J P
11096-82-5	Aroclor-1260	8.0	J
37324-23-5	Aroclor-1262	41	U
11100-14-4	Aroclor-1268	41	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom09.d
Date : 14-AUG-2013 13:21
Client ID: TS003 (072413)
Instrument: 5253_1.i
Sample Info: 200-17642-F-2-E
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom09.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 14-AUG-2013 13:21
Operator : MMS Inst ID: 5253_1.i
Smp Info : 200-17642-F-2-E
Misc Info : 200-17642-F-2-E
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:01 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	9791	0.05603	0.05603	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
10.936	10.931	0.005	85	0.02873	0.02873	80.00- 120.00	100.00(aMH)
11.369	11.370	-0.001	69	0.02471	0.02471	105.70- 145.70	81.18
11.491	11.491	0.000	0			132.86- 172.86	0.00
11.600	11.600	0.000	0			83.52- 123.52	0.00
12.253	12.259	-0.006	350	0.04046	0.04046	92.98- 132.98	411.76
Average of Peak Concentrations =				0.03130			
8 Aroclor-1260					CAS #: 11096-82-5		
13.390	13.391	-0.001	279	0.02353	0.02353	80.00- 120.00	100.00(aM)
13.734	13.739	-0.005	263	0.01991	0.01991	92.64- 132.64	94.27
14.100	14.104	-0.004	607	0.02004	0.02004	69.99- 109.99	217.56
14.481	14.488	-0.007	291	0.02180	0.02180	115.64- 155.64	104.30
14.643	14.649	-0.006	232	0.02631	0.02631	57.50- 97.50	83.15
Average of Peak Concentrations =				0.02232			

Data File: 5253chasom09.d
Report Date: 27-Aug-2013 17:07

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.150	16.151	-0.001	29510	0.11666	0.1167	80.00- 120.00	100.00

QC Flag Legend

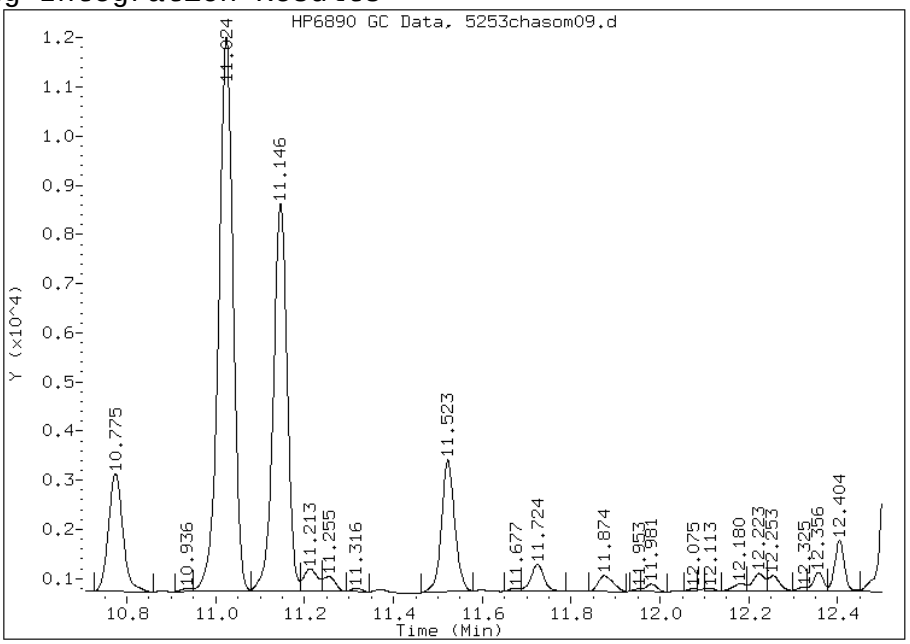
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: 5253chasom09.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 14-AUG-2013 13:21
Instrument ID: 5253_1.i
Client ID: TS003 (072413)
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/27/2013

Processing Integration Results

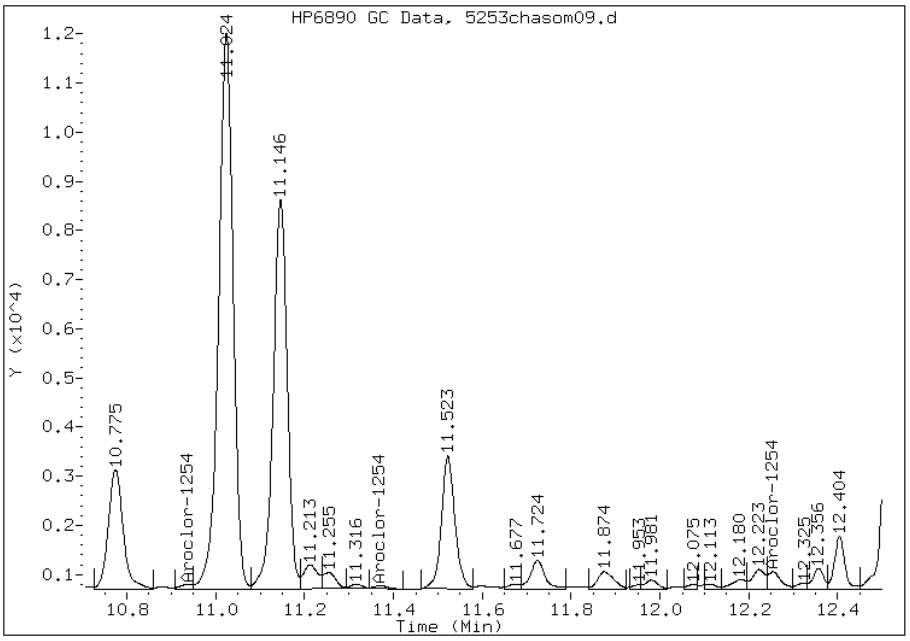
Not Detected



Manual Integration Results

RT	Response	Conc
10.94	85*	0.03
11.37	69*	0.02
11.49	0	0.00
11.60	0	0.00
12.25	350*	0.04

Final Conc		0.03



File Uploaded By: jsw
Manual Integration Reason: Baseline event

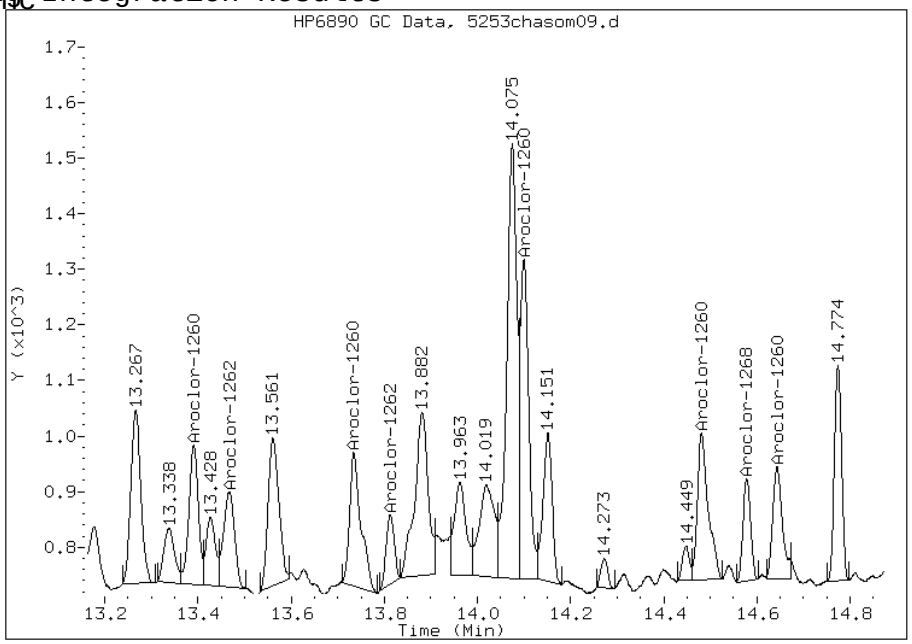
Manual Integration Report

Data File: 5253chasom09.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 14-AUG-2013 13:21
Instrument ID: 5253_1.i
Client ID: TS003 (072413)
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
13.39	251*	0.02
13.73	241*	0.02
14.10	575*	0.02
14.48	265*	0.02
14.64	202*	0.02

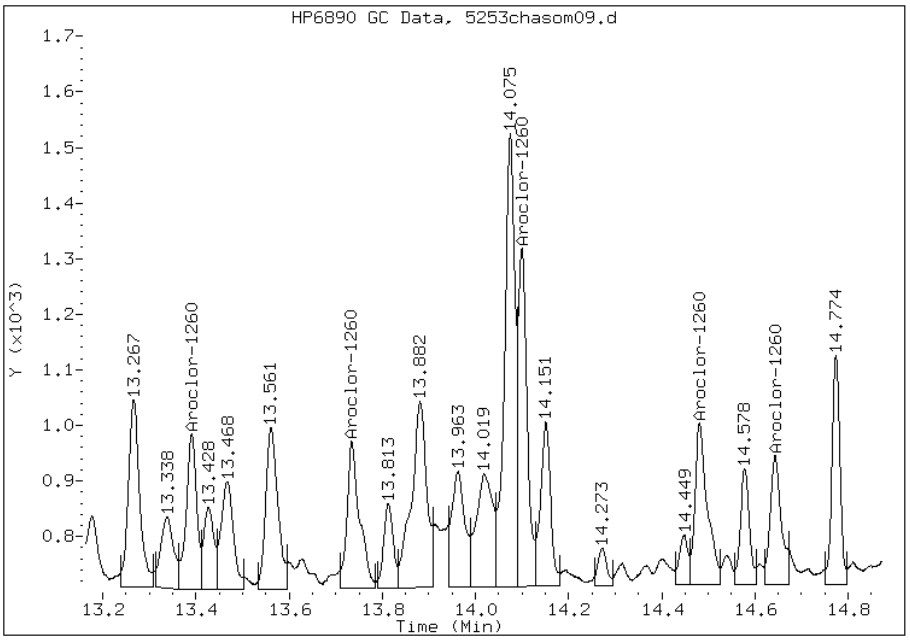
Final Conc		0.02



Manual Integration Results

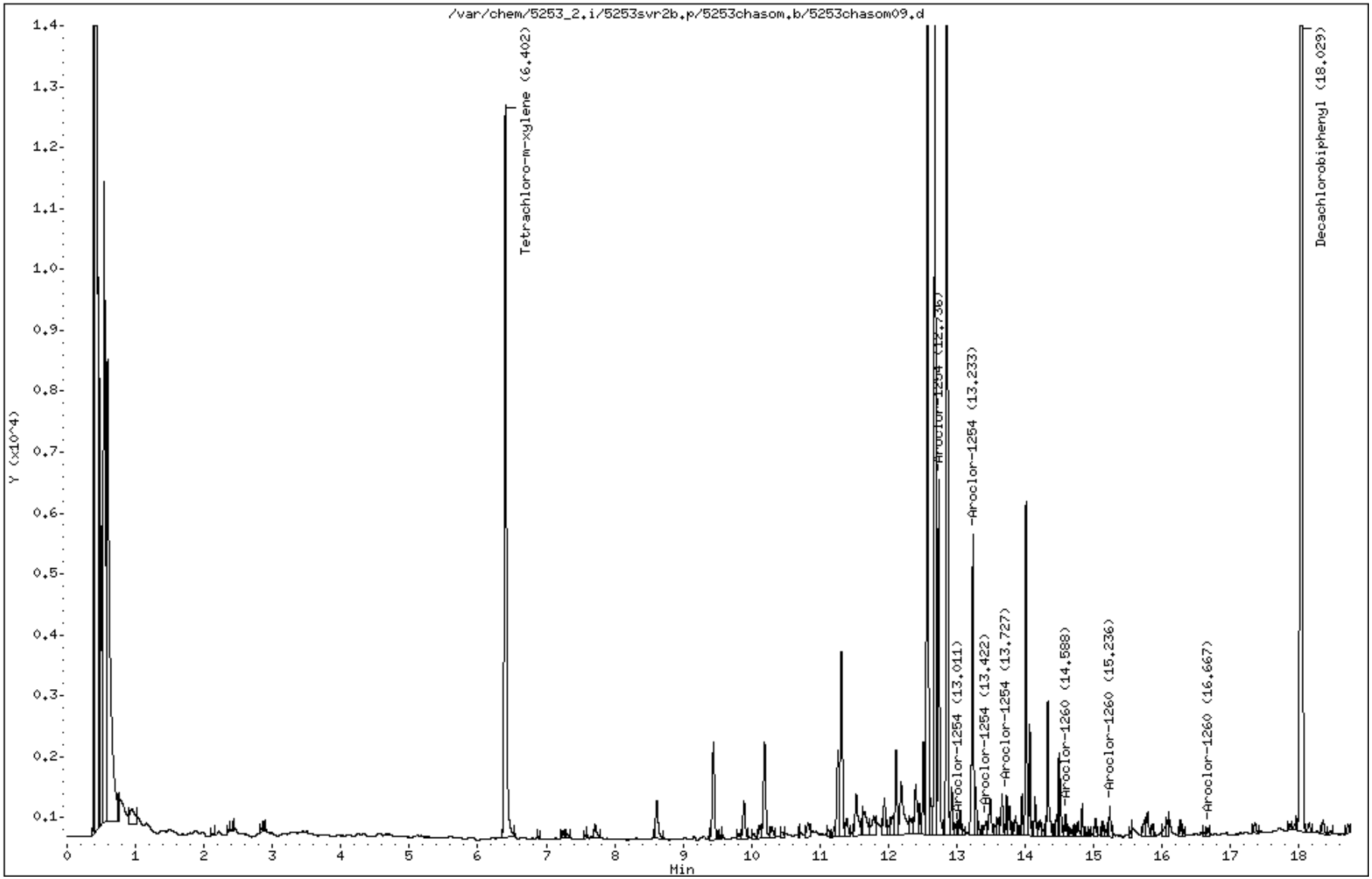
RT	Response	Conc
13.39	279*	0.02
13.73	263*	0.02
14.10	607*	0.02
14.48	291*	0.02
14.64	232*	0.03

Final Conc		0.02



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom09.d
Date : 14-AUG-2013 13:21
Client ID: TS003 (072413)
Instrument: 5253_2.i
Sample Info: 200-17642-F-2-E
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Lab Sample Id: 200-17642-2
Client Smp ID: TS003 (072413)
Inj Date : 14-AUG-2013 13:21
Operator : MMS Inst ID: 5253_2.i
Smp Info : 200-17642-F-2-E
Misc Info : 200-17642-F-2-E
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	12020	0.05563	0.05563	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.770	12.770	0.000	0			80.00- 120.00	0.00(aMH)
13.011	13.010	0.001	99	0.02392	0.02392	105.70- 145.70	0.00
13.209	13.209	0.000	0			132.86- 172.86	0.00
13.422	13.419	0.003	229	0.06625	0.06625	83.52- 123.52	0.00
13.727	13.730	-0.003	647	0.04877	0.04877	92.98- 132.98	0.00
Average of Peak Concentrations =				0.04631			
8 Aroclor-1260					CAS #: 11096-82-5		
14.587	14.589	-0.002	361	0.02459	0.02459	80.00- 120.00	100.00(aMH)
15.235	15.239	-0.004	501	0.01514	0.01514	92.64- 132.64	138.78
15.771	15.771	0.000	0			69.99- 109.99	0.00
16.569	16.569	0.000	0			115.64- 155.64	0.00
16.667	16.670	-0.003	124	0.01785	0.01785	57.50- 97.50	34.35
Average of Peak Concentrations =				0.01919			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.029	18.032	-0.003	19876	0.11000	0.1100	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

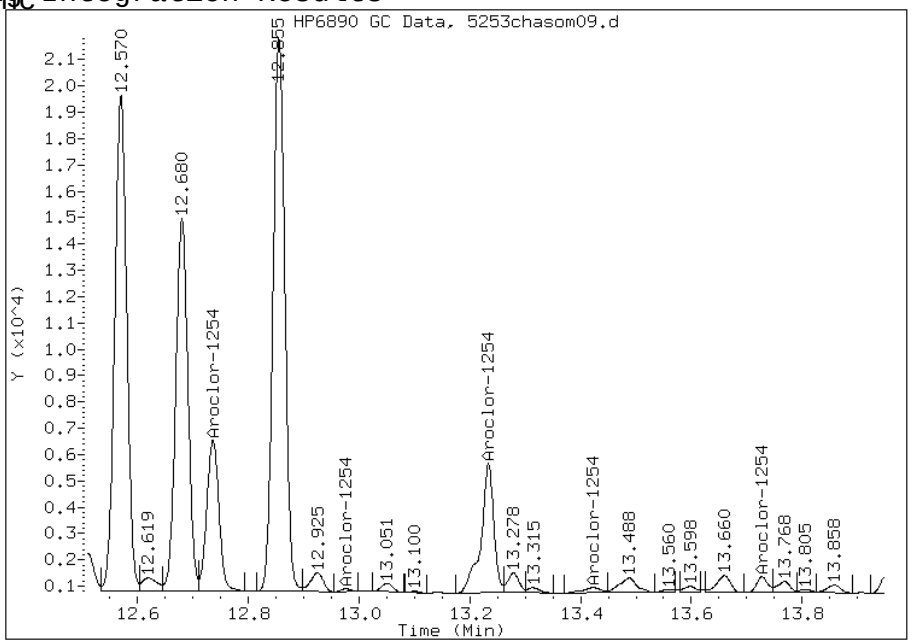
Manual Integration Report

Data File: 5253chasom09.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 14-AUG-2013 13:21
Instrument ID: 5253_2.i
Client ID: TS003 (072413)
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
12.74	5738*	1.06
12.98	112*	0.03
13.23	4910*	0.98
13.42	182*	0.05
13.73	597*	0.05

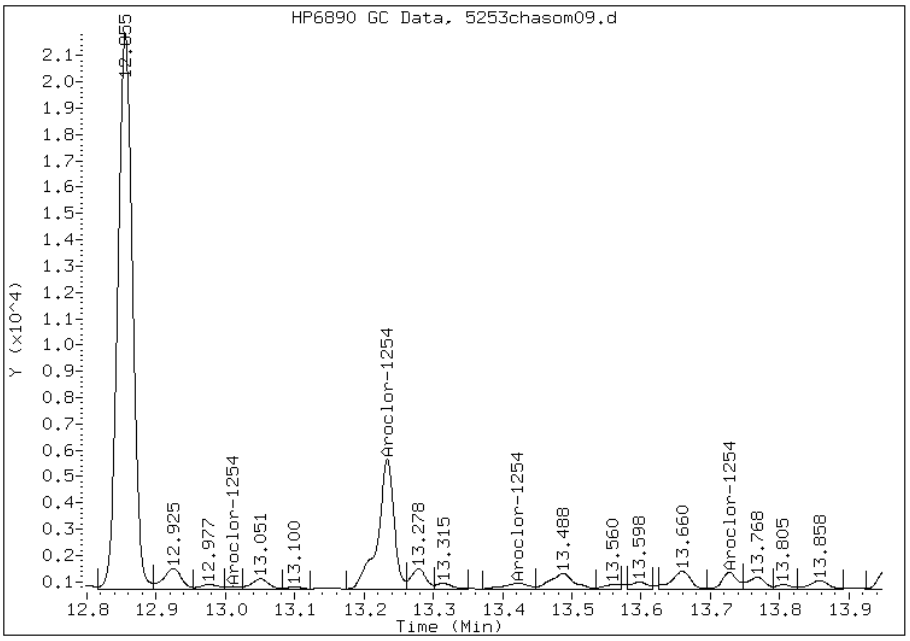
Final Conc		0.43



Manual Integration Results

RT	Response	Conc
12.77	0*	0.00
13.01	99*	0.02
13.21	0*	0.00
13.42	229*	0.07
13.73	647*	0.05

Final Conc		0.05



File Uploaded By: jsw
Manual Integration Reason: Baseline event

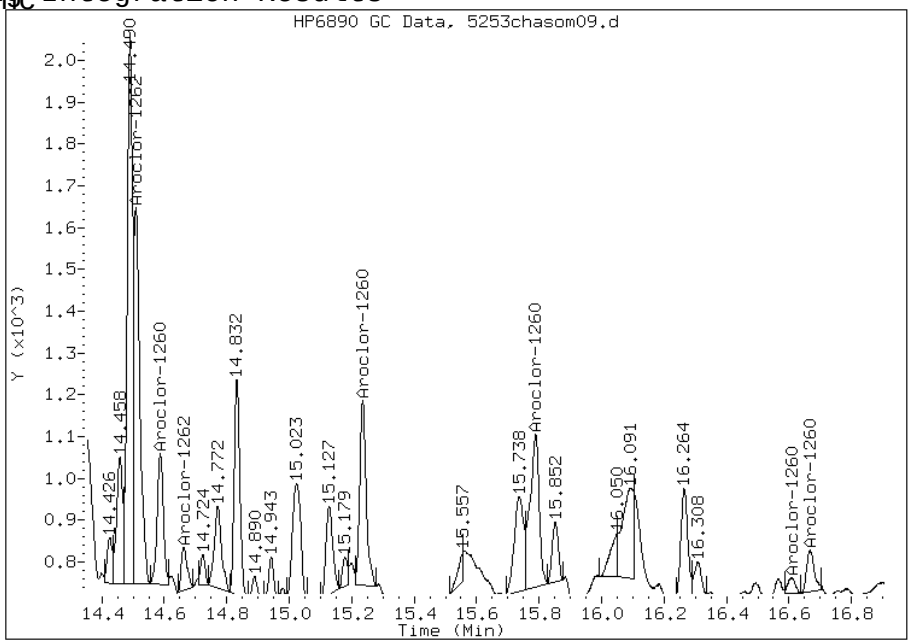
Manual Integration Report

Data File: 5253chasom09.d
Lab Sample ID: 200-17642-2
Inj. Date and Time: 14-AUG-2013 13:21
Instrument ID: 5253_2.i
Client ID: TS003 (072413)
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
14.59	313*	0.02
15.24	444*	0.01
15.79	366*	0.05
16.61	37*	0.01
16.67	99*	0.01

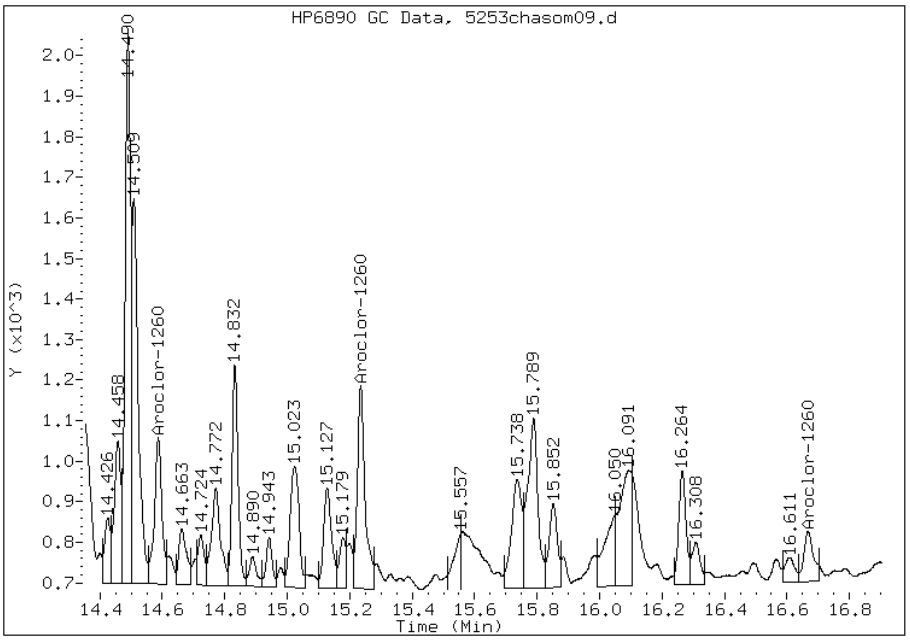
Final Conc		0.02



Manual Integration Results

RT	Response	Conc
14.59	361*	0.02
15.23	501*	0.02
15.77	0*	0.00
16.57	0*	0.00
16.67	124*	0.02

Final Conc		0.02



File Uploaded By: jsw
Manual Integration Reason: Baseline event

EPA SAMPLE NO.
TS004 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 200-17642-3

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 5253CHASOM11.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/24/2013

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

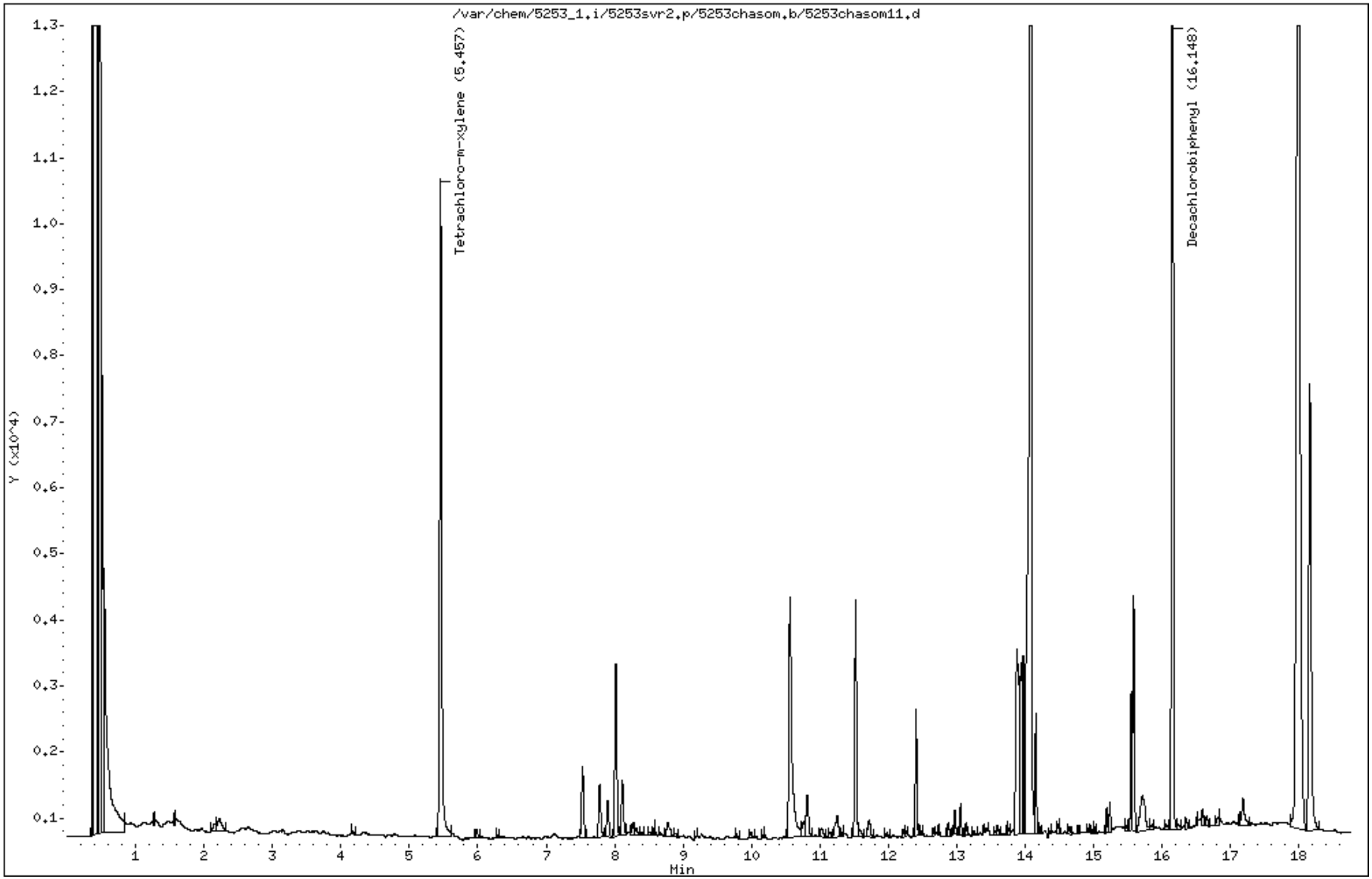
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom11.d
Date : 14-AUG-2013 14:10
Client ID: TS004 (072413)
Instrument: 5253_1.i
Sample Info: 200-17642-D-3-E
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom11.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 14-AUG-2013 14:10
Operator : MMS Inst ID: 5253_1.i
Smp Info : 200-17642-D-3-E
Misc Info : 200-17642-D-3-E
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:01 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	9967	0.05704	0.05704	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.148	16.151	-0.003	30787	0.12170	0.1217	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Manual Integration Report

Data File: 5253chasom11.d
Lab Sample ID: 200-17642-3
Inj. Date and Time: 14-AUG-2013 14:10
Instrument ID: 5253_1.i
Client ID: TS004 (072413)
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/27/2013

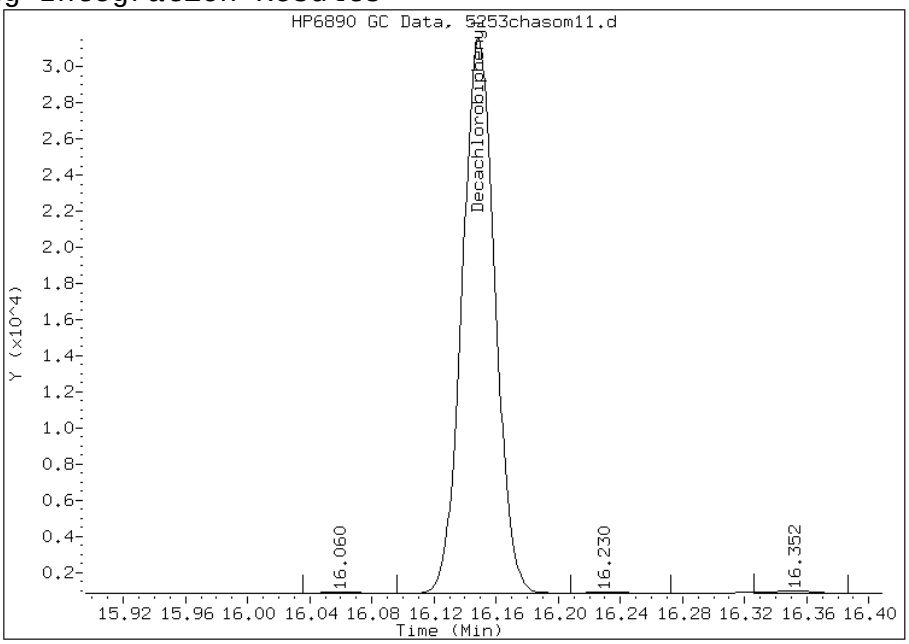
Processing Integration Results

RT: 16.15

Response: 30769

Amount: 0.121633

Conc: 0.121600



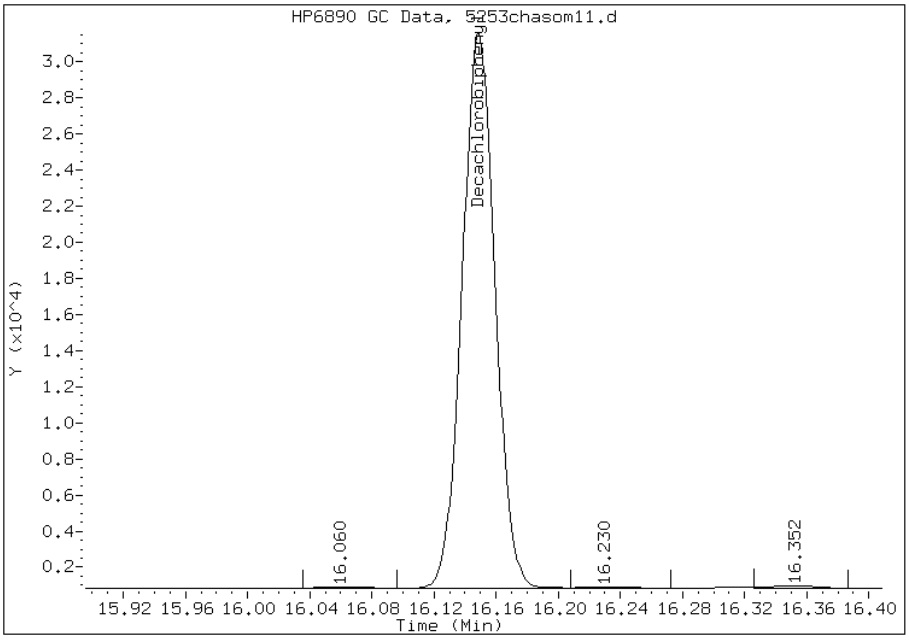
Manual Integration Results

RT: 16.15

Response: 30787

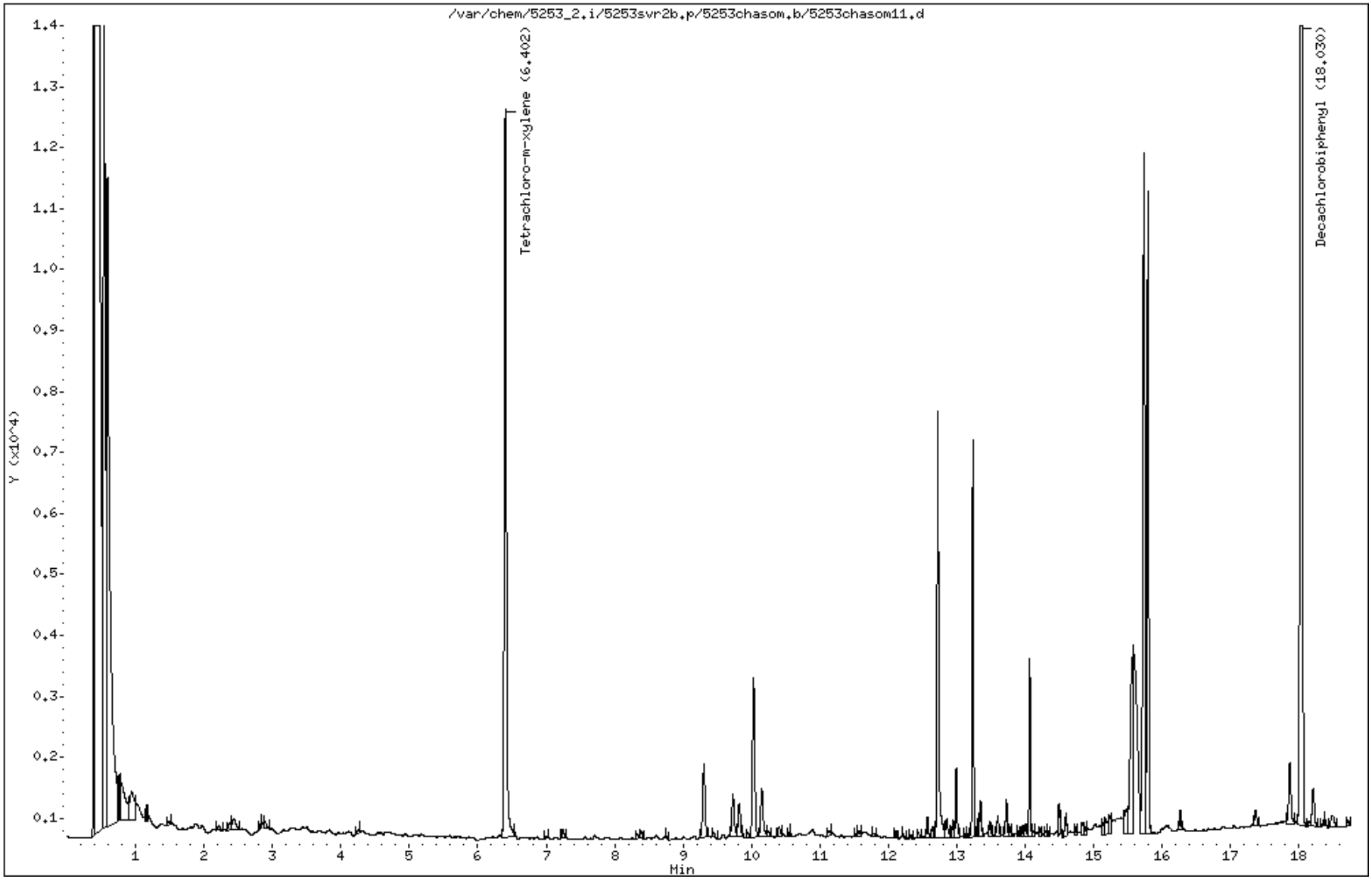
Amount: 0.121705

Conc: 0.121700



File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom11.d
Date : 14-AUG-2013 14:10
Client ID: TS004 (072413)
Instrument: 5253_2.i
Sample Info: 200-17642-D-3-E
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Lab Sample Id: 200-17642-3
Client Smp ID: TS004 (072413)
Inj Date : 14-AUG-2013 14:10
Operator : MMS Inst ID: 5253_2.i
Smp Info : 200-17642-D-3-E
Misc Info : 200-17642-D-3-E
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	11937	0.05525	0.05525	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.030	18.032	-0.002	20104	0.11126	0.1113	80.00- 120.00	100.00

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1221	1	5.81	5.81	5.81	5.81	5.81	5.81	5.74	5.88
	2	5.99	5.99	5.99	5.99	5.99	5.99	5.92	6.06
	3	6.10	6.09	6.09	6.09	6.09	6.09	6.02	6.16
	4	6.93	6.93	6.92	6.92	6.92	6.92	6.85	6.99
	5	7.83	7.82	7.83	7.83	7.83	7.83	7.76	7.90

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1221	1	1920.000	1760.000	1617.500	1593.750	1520.000	9.4
	2	1580.000	1440.000	1327.500	1266.250	1201.875	11.0
	3	4530.000	4110.000	3987.500	3801.250	3686.875	8.1
	4	850.000	775.000	757.500	691.250	653.125	10.3
	5	510.000	495.000	470.000	452.500	421.250	7.5

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1221	1	7.22	7.22	7.22	7.22	7.22	7.22	7.15	7.29
	2	7.55	7.54	7.54	7.54	7.54	7.54	7.47	7.61
	3	7.70	7.70	7.70	7.70	7.70	7.70	7.63	7.77
	4	7.81	7.81	7.81	7.81	7.81	7.81	7.74	7.88
	5	8.75	8.75	8.75	8.75	8.75	8.75	8.68	8.82

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1221	1	2350.000	2195.000	2097.500	2057.500	1986.250	6.6
	2	1670.000	1555.000	1437.500	1395.000	1305.000	9.7
	3	5040.000	4685.000	4562.500	4511.250	4363.125	5.5
	4	710.000	725.000	692.500	651.250	620.625	6.3
	5	1010.000	960.000	910.000	845.000	817.500	8.7

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1232	1	6.09	6.09	6.09	6.09	6.09	6.09	6.02	6.16
	2	6.87	6.87	6.87	6.87	6.87	6.87	6.80	6.94
	3	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
	4	7.82	7.82	7.82	7.82	7.83	7.82	7.75	7.89
	5	8.04	8.04	8.04	8.04	8.04	8.04	7.97	8.11

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1232	1	4010.000	3625.000	3512.500	3346.250	3211.250	8.6
	2	2290.000	2125.000	1947.500	1823.750	1701.875	11.9
	3	2100.000	1920.000	1772.500	1720.000	1621.875	10.2
	4	3450.000	3195.000	3215.000	3122.500	3189.375	3.9
	5	2500.000	2255.000	2157.500	2098.750	2032.500	8.2

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1232	1	7.70	7.70	7.70	7.70	7.70	7.70	7.63	7.77
	2	8.74	8.73	8.73	8.73	8.74	8.73	8.66	8.80
	3	9.81	9.81	9.81	9.81	9.81	9.81	9.74	9.88
	4	10.20	10.20	10.20	10.20	10.20	10.20	10.13	10.27
	5	11.53	11.53	11.53	11.53	11.53	11.53	11.46	11.60

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1232	1	4580.000	4115.000	4125.000	3847.500	3801.250	7.6
	2	2930.000	2645.000	2495.000	2350.000	2279.375	10.2
	3	3960.000	3700.000	3732.500	3697.500	3763.750	2.9
	4	2370.000	2185.000	2065.000	2018.750	2012.500	7.1
	5	2340.000	2200.000	2030.000	2005.000	1979.375	7.3

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1242	1	6.87	6.87	6.87	6.87	6.87	6.87	6.80	6.94
	2	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
	3	7.83	7.82	7.83	7.83	7.83	7.83	7.76	7.90
	4	8.04	8.04	8.04	8.04	8.04	8.04	7.97	8.11
	5	8.22	8.22	8.22	8.22	8.22	8.22	8.15	8.29

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1242	1	4200.000	3675.000	3520.000	3365.000	3147.500	11.1
	2	3710.000	3365.000	3245.000	3112.500	2998.750	8.3
	3	6190.000	6035.000	5937.500	6218.750	6223.125	2.1
	4	4430.000	4055.000	3995.000	3930.000	3797.500	5.9
	5	2820.000	2570.000	2575.000	2577.500	2555.625	4.3

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1242	1	8.73	8.73	8.73	8.73	8.73	8.73	8.66	8.80
	2	9.45	9.45	9.45	9.45	9.45	9.45	9.38	9.52
	3	9.81	9.81	9.81	9.81	9.81	9.81	9.74	9.88
	4	10.20	10.20	10.20	10.20	10.20	10.20	10.13	10.27
	5	10.55	10.55	10.55	10.55	10.55	10.55	10.48	10.62

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1242	1	5020.000	4605.000	4385.000	4305.000	4135.625	7.6
	2	2740.000	2510.000	2367.500	2321.250	2198.125	8.5
	3	7130.000	7020.000	7097.500	7227.500	7388.750	2.0
	4	4230.000	3850.000	3827.500	3888.750	3749.375	4.8
	5	3170.000	2960.000	2942.500	2982.500	2976.250	3.1

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1248	1	6.87	6.87	6.87	6.87	6.87	6.87	6.80	6.94
	2	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
	3	7.79	7.79	7.79	7.79	7.79	7.79	7.72	7.86
	4	8.05	8.04	8.05	8.05	8.04	8.04	7.98	8.12
	5	9.18	9.18	9.18	9.18	9.18	9.18	9.11	9.25

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1248	1	2390.000	2190.000	2022.500	1983.750	1792.500	10.9
	2	1680.000	1595.000	1497.500	1465.000	1323.125	8.9
	3	3910.000	3615.000	3652.500	3638.750	3517.500	4.0
	4	2380.000	2230.000	2112.500	2111.250	1989.375	6.8
	5	2310.000	2190.000	2105.000	2075.000	1941.250	6.5

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1248	1	8.73	8.73	8.73	8.73	8.73	8.73	8.66	8.80
	2	9.76	9.76	9.77	9.76	9.76	9.76	9.69	9.83
	3	10.20	10.20	10.20	10.20	10.20	10.20	10.13	10.27
	4	10.92	10.93	10.93	10.93	10.92	10.93	10.86	11.00
	5	11.63	11.63	11.63	11.63	11.63	11.63	11.56	11.70

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/13/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1248	1	2780.000	2490.000	2427.500	2311.250	2138.750	9.8
	2	4380.000	4035.000	4232.500	4183.750	4037.500	3.5
	3	2100.000	1975.000	1902.500	1890.000	1802.500	5.7
	4	1920.000	1810.000	1762.500	1677.500	1598.125	7.0
	5	2800.000	2580.000	2625.000	2460.000	2351.250	6.6

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1254	1	10.93	10.93	10.93	10.93	10.93	10.93	10.86	11.00
	2	11.37	11.37	11.37	11.37	11.37	11.37	11.30	11.44
	3	11.49	11.49	11.49	11.49	11.49	11.49	11.42	11.56
	4	11.60	11.60	11.60	11.60	11.60	11.60	11.53	11.67
	5	12.26	12.26	12.26	12.26	12.26	12.26	12.19	12.33

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1254	1	3270.000	3015.000	2937.500	2768.750	2800.625	6.8
	2	3030.000	2855.000	2832.500	2661.250	2581.875	6.3
	3	5830.000	5715.000	5862.500	5943.750	6203.750	3.1
	4	2140.000	2060.000	2072.500	1971.250	1987.500	3.3
	5	7900.000	7675.000	8505.000	9145.000	10023.750	11.1

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1254	1	12.77	12.77	12.77	12.77	12.77	12.77	12.70	12.84
	2	13.01	13.01	13.01	13.01	13.01	13.01	12.94	13.08
	3	13.21	13.21	13.21	13.21	13.21	13.21	13.14	13.28
	4	13.42	13.42	13.42	13.42	13.42	13.42	13.35	13.49
	5	13.73	13.73	13.73	13.73	13.73	13.73	13.66	13.80

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/13/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1254	1	5730.000	5450.000	5245.000	5188.750	5327.500	4.0
	2	4560.000	4195.000	4122.500	3905.000	3912.500	6.5
	3	5390.000	5095.000	4982.500	4762.500	4791.875	5.1
	4	3640.000	3400.000	3415.000	3437.500	3390.625	3.0
	5	12410.000	11645.000	13410.000	13931.250	14933.750	9.7

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1262	1	13.47	13.47	13.47	13.47	13.47	13.47	13.40	13.54
	2	13.74	13.74	13.74	13.74	13.74	13.74	13.67	13.81
	3	13.82	13.82	13.82	13.82	13.81	13.82	13.75	13.89
	4	14.10	14.10	14.10	14.10	14.10	14.10	14.03	14.17
	5	14.49	14.49	14.48	14.48	14.48	14.48	14.41	14.55

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1262	1	7140.000	7015.000	7010.000	7417.500	7629.375	3.8
	2	15270.000	14735.000	15652.500	16163.750	17266.875	6.1
	3	7270.000	6780.000	7012.500	7033.750	7171.875	2.6
	4	30370.000	29360.000	33865.000	35741.250	37375.625	10.3
	5	9640.000	9105.000	9545.000	9923.750	9998.750	3.7

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS					$\overline{RT}$	RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5		FROM	TO
AR1262	1	13.95	13.95	13.95	13.95	13.95	13.95	13.88	14.02
	2	14.36	14.37	14.36	14.36	14.36	14.36	14.29	14.43
	3	14.51	14.51	14.51	14.51	14.51	14.51	14.44	14.58
	4	14.66	14.66	14.66	14.66	14.66	14.66	14.59	14.73
	5	15.24	15.24	15.24	15.24	15.24	15.24	15.17	15.31

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1262	1	15100.000	14200.000	14417.500	14535.000	15086.250	2.8
	2	8080.000	7300.000	7317.500	7060.000	6995.000	5.9
	3	7540.000	7100.000	7370.000	7458.750	7581.875	2.6
	4	9470.000	8635.000	8912.500	8740.000	8880.625	3.6
	5	35840.000	34260.000	37252.500	38862.500	38603.750	5.2

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1268	1	14.58	14.58	14.58	14.58	14.58	14.58	14.51	14.65
	2	14.64	14.65	14.64	14.64	14.64	14.64	14.57	14.71
	3	14.98	14.98	14.98	14.98	14.98	14.98	14.91	15.05
	4	15.08	15.08	15.08	15.08	15.08	15.08	15.01	15.15
	5	15.72	15.72	15.72	15.72	15.72	15.72	15.65	15.79

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1268	1	43150.000	43395.000	44692.500	46135.000	48800.625	5.1
	2	38230.000	38380.000	40310.000	42315.000	43396.875	5.7
	3	34460.000	35450.000	36710.000	37713.750	38870.625	4.8
	4	9850.000	9245.000	9107.500	8905.000	9224.375	3.8
	5	95630.000	102220.000	106602.500	107522.500	106460.625	4.8

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1268	1	15.77	15.77	15.77	15.77	15.77	15.77	15.70	15.84
	2	15.84	15.85	15.85	15.84	15.85	15.85	15.78	15.92
	3	16.31	16.31	16.31	16.31	16.31	16.31	16.24	16.38
	4	16.49	16.49	16.49	16.49	16.49	16.49	16.42	16.56
	5	17.35	17.36	17.35	17.35	17.36	17.35	17.28	17.42

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1268	1	39010.000	38965.000	40910.000	41225.000	43455.625	4.6
	2	30950.000	31025.000	32022.500	33695.000	35273.125	5.7
	3	27790.000	27805.000	27945.000	28186.250	30887.500	4.7
	4	7380.000	7265.000	7115.000	6801.250	7131.250	3.0
	5	73750.000	76810.000	81100.000	82821.250	84111.875	5.4

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1016	1	6.87	6.87	6.87	6.87	6.87	6.87	6.80	6.94
	2	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
	3	8.04	8.04	8.04	8.04	8.04	8.04	7.97	8.11
	4	9.09	9.09	9.09	9.09	9.09	9.09	9.02	9.16
	5	9.40	9.40	9.40	9.40	9.40	9.40	9.33	9.47
AR1260	1	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
	2	13.74	13.74	13.74	13.74	13.74	13.74	13.67	13.81
	3	14.11	14.11	14.10	14.10	14.10	14.10	14.03	14.17
	4	14.49	14.49	14.49	14.49	14.49	14.49	14.42	14.56
	5	14.65	14.65	14.65	14.65	14.65	14.65	14.58	14.72
TCX		5.46	5.46	5.46	5.46	5.46	5.46	5.41	5.51
DCB		16.15	16.15	16.15	16.15	16.15	16.15	16.05	16.25

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_1.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-5 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1016	1	5080.000	4605.000	4322.500	4142.500	4026.250	9.5
	2	4640.000	4190.000	4082.500	3923.750	3826.875	7.7
	3	5460.000	5280.000	5005.000	4938.750	4962.500	4.5
	4	4070.000	3700.000	3650.000	3511.250	3544.375	6.0
	5	3690.000	3295.000	3305.000	3246.250	3260.625	5.5
AR1260	1	11720.000	11185.000	11805.000	12255.000	12326.250	3.9
	2	12970.000	12590.000	12890.000	13408.750	14205.000	4.7
	3	27190.000	27745.000	29752.500	32320.000	34428.750	10.1
	4	12920.000	12740.000	12765.000	13840.000	14490.625	5.9
	5	9080.000	8795.000	8472.500	8766.250	8976.250	2.6
TCX		169800.000	169800.000	169450.000	181000.000	183612.500	4.0
DCB		259800.000	239800.000	247275.000	256000.000	261950.000	3.7

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6N - FORM VI ARO-1
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMPOUND	PEAK*	RT OF STANDARDS						RT WINDOW**	
		CS1	CS2	CS3	CS4	CS5	$\overline{RT}$	FROM	TO
AR1016	1	7.70	7.70	7.70	7.70	7.70	7.70	7.63	7.77
	2	8.73	8.73	8.73	8.73	8.73	8.73	8.66	8.80
	3	9.81	9.81	9.81	9.81	9.81	9.81	9.74	9.88
	4	10.20	10.20	10.20	10.20	10.20	10.20	10.13	10.27
	5	10.55	10.55	10.55	10.55	10.55	10.55	10.48	10.62
AR1260	1	14.59	14.59	14.59	14.59	14.59	14.59	14.52	14.66
	2	15.24	15.24	15.24	15.24	15.24	15.24	15.17	15.31
	3	15.77	15.77	15.77	15.77	15.77	15.77	15.70	15.84
	4	16.57	16.57	16.57	16.57	16.57	16.57	16.50	16.64
	5	16.67	16.67	16.67	16.67	16.67	16.67	16.60	16.74
TCX		6.40	6.40	6.40	6.40	6.40	6.40	6.35	6.45
DCB		18.03	18.03	18.03	18.03	18.03	18.03	17.93	18.13

*At least three peaks for each column are required for identification of Aroclors.

**Retention Time windows are ± 0.07 minutes for each Aroclor peak; ± 0.05 minutes for TCX; and ± 0.10 minutes for DCB.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

6P - FORM VI ARO-2
AROCLOR INITIAL CALIBRATION (MULTIPOINT)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Instrument ID: 5253_2.i

Level (x CS1): CS1 1.0 CS2 2.0 CS3 4.0 CS4 8.0 CS5 16.0

GC Column: RTX-35 ID: 0.25 (mm) Date(s) Analyzed: 08/14/2013 08/14/2013

COMP-OUND	PEAK[1]	CALIBRATION FACTORS (CFs)					%RSD
		CS1	CS2	CS3	CS4	CS5	
AR1016	1	4100.000	3745.000	3650.000	3531.250	3416.875	7.1
	2	6030.000	5725.000	5390.000	5327.500	5097.500	6.6
	3	8890.000	8745.000	8805.000	9141.250	9370.000	2.9
	4	5070.000	4785.000	4732.500	4751.250	4661.875	3.3
	5	3880.000	3640.000	3640.000	3765.000	3781.875	2.7
AR1260	1	14910.000	14570.000	14260.000	14730.000	14925.000	1.9
	2	31550.000	30855.000	33092.500	34470.000	35496.875	5.9
	3	7780.000	7340.000	7045.000	7178.750	7159.375	3.9
	4	3190.000	3025.000	2972.500	2935.000	2843.750	4.3
	5	7090.000	6855.000	6972.500	6890.000	6935.000	1.3
TCX		205000.000	205900.000	212050.000	224600.000	232712.500	5.6
DCB		186000.000	175300.000	177975.000	178462.500	185756.250	2.7

[1]At least three peaks for each column are required for identification of Aroclors.

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/2013 08/14/2013

EPA Sample No.(AR####3##): AR16603S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/46 Time Analyzed: 0826

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1016	1	6.87	6.80	6.94	4435.250	4322.500	-2.5
	2	7.26	7.19	7.33	4132.625	4030.000	-2.5
	3	8.04	7.97	8.11	5129.250	4905.000	-4.4
	4	9.09	9.02	9.16	3695.125	3572.500	-3.3
	5	9.40	9.33	9.47	3359.375	3197.500	-4.8
AR1260	1	13.39	13.32	13.46	11858.250	11410.000	-3.8
	2	13.74	13.67	13.81	13212.750	12730.000	-3.7
	3	14.10	14.03	14.17	30287.250	29172.500	-3.7
	4	14.49	14.42	14.56	13351.125	12762.500	-4.4
	5	14.65	14.58	14.72	8818.000	8377.500	-5.0
TCX		5.46	5.41	5.51	174732.500	167400.000	-4.2
DCB		16.15	16.05	16.25	252965.000	237800.000	-6.0

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/2013 08/14/2013

EPA Sample No.(AR####3##): AR16603S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/46 Time Analyzed: 0826

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1016	1	7.70	7.63	7.77	3688.625	3602.500	-2.3
	2	8.73	8.66	8.80	5514.000	5307.500	-3.7
	3	9.81	9.74	9.88	8990.250	8655.000	-3.7
	4	10.20	10.13	10.27	4800.125	4675.000	-2.6
	5	10.55	10.48	10.62	3741.375	3627.500	-3.0
AR1260	1	14.59	14.52	14.66	14679.000	14035.000	-4.4
	2	15.24	15.17	15.31	33092.875	32117.500	-2.9
	3	15.77	15.70	15.84	7300.625	6982.500	-4.4
	4	16.57	16.50	16.64	2993.250	2920.000	-2.4
	5	16.67	16.60	16.74	6948.500	6777.500	-2.5
TCX		6.40	6.35	6.45	216052.500	209150.000	-3.2
DCB		18.03	17.93	18.13	180698.750	172875.000	-4.3

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12423S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/47 Time Analyzed: 0851

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1242	1	6.87	6.80	6.94	3581.500	3520.000	-1.7
	2	7.26	7.19	7.33	3286.250	3285.000	0.0
	3	7.83	7.76	7.90	6120.875	6047.500	-1.2
	4	8.04	7.97	8.11	4041.500	3987.500	-1.3
	5	8.22	8.15	8.29	2619.625	2575.000	-1.7
TCX		5.46	5.41	5.51	174732.500	167300.000	-4.3
DCB		16.15	16.05	16.25	252965.000	244725.000	-3.3

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12423S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/47 Time Analyzed: 0851

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1242	1	8.73	8.66	8.80	4490.125	4370.000	-2.7
	2	9.45	9.38	9.52	2427.375	2345.000	-3.4
	3	9.81	9.74	9.88	7172.750	7030.000	-2.0
	4	10.20	10.13	10.27	3909.125	3802.500	-2.7
	5	10.55	10.48	10.62	3006.250	2925.000	-2.7
TCX		6.40	6.35	6.45	216052.500	209750.000	-2.9
DCB		18.03	17.93	18.13	180698.750	174925.000	-3.2

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12483S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/48 Time Analyzed: 0915

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1248	1	6.87	6.80	6.94	2075.750	2037.500	-1.8
	2	7.26	7.19	7.33	1512.125	1485.000	-1.8
	3	7.79	7.72	7.86	3666.750	3615.000	-1.4
	4	8.05	7.98	8.12	2164.625	2120.000	-2.1
	5	9.18	9.11	9.25	2124.250	2065.000	-2.8
TCX		5.46	5.41	5.51	174732.500	168250.000	-3.7
DCB		16.15	16.05	16.25	252965.000	239575.000	-5.3

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12483S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/48 Time Analyzed: 0915

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1248	1	8.73	8.66	8.80	2429.500	2387.500	-1.7
	2	9.76	9.69	9.83	4173.750	4095.000	-1.9
	3	10.20	10.13	10.27	1934.000	1850.000	-4.3
	4	10.93	10.86	11.00	1753.625	1720.000	-1.9
	5	11.63	11.56	11.70	2563.250	2505.000	-2.3
TCX		6.40	6.35	6.45	216052.500	215000.000	-0.5
DCB		18.03	17.93	18.13	180698.750	174600.000	-3.4

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

EPA Sample No.(AR####3##): AR12543S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/49 Time Analyzed: 0940

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1254	1	10.93	10.86	11.00	2958.375	2882.500	-2.6
	2	11.37	11.30	11.44	2792.125	2732.500	-2.1
	3	11.49	11.42	11.56	5911.000	5705.000	-3.5
	4	11.60	11.53	11.67	2046.250	1990.000	-2.7
	5	12.26	12.19	12.33	8649.750	8397.500	-2.9
TCX		5.46	5.41	5.51	174732.500	169900.000	-2.8
DCB		16.15	16.05	16.25	252965.000	238175.000	-5.8

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

EPA Sample No.(AR####3##): AR12543S2 Date Analyzed: 08/14/2013

Lab Sample ID: CCV 200-59793/49 Time Analyzed: 0940

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1254	1	12.77	12.70	12.84	5388.250	5247.500	-2.6
	2	13.01	12.94	13.08	4139.000	4027.500	-2.7
	3	13.21	13.14	13.28	5004.375	4825.000	-3.6
	4	13.42	13.35	13.49	3456.625	3362.500	-2.7
	5	13.73	13.66	13.80	13266.000	13122.500	-1.1
TCX		6.40	6.35	6.45	216052.500	211700.000	-2.0
DCB		18.03	17.93	18.13	180698.750	173675.000	-3.9

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/2013 08/14/2013

EPA Sample No.(AR####3##): AR16603S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/22 Time Analyzed: 1841

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1016	1	6.87	6.80	6.94	4435.250	4310.000	-2.8
	2	7.26	7.19	7.33	4132.625	4007.500	-3.0
	3	8.04	7.97	8.11	5129.250	5032.500	-1.9
	4	9.09	9.02	9.16	3695.125	3627.500	-1.8
	5	9.40	9.33	9.47	3359.375	3305.000	-1.6
AR1260	1	13.39	13.32	13.46	11858.250	11782.500	-0.6
	2	13.73	13.67	13.81	13212.750	13445.000	1.8
	3	14.10	14.03	14.17	30287.250	31422.500	3.7
	4	14.48	14.42	14.56	13351.125	13147.500	-1.5
	5	14.64	14.58	14.72	8818.000	8652.500	-1.9
TCX		5.46	5.41	5.51	174732.500	168200.000	-3.7
DCB		16.15	16.05	16.25	252965.000	246725.000	-2.5

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/2013 08/14/2013

EPA Sample No.(AR####3##): AR16603S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/22 Time Analyzed: 1841

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1016	1	7.70	7.63	7.77	3688.625	3647.500	-1.1
	2	8.73	8.66	8.80	5514.000	5375.000	-2.5
	3	9.80	9.74	9.88	8990.250	8977.500	-0.1
	4	10.20	10.13	10.27	4800.125	4770.000	-0.6
	5	10.54	10.48	10.62	3741.375	3710.000	-0.8
AR1260	1	14.58	14.52	14.66	14679.000	14217.500	-3.1
	2	15.23	15.17	15.31	33092.875	32530.000	-1.7
	3	15.77	15.70	15.84	7300.625	7282.500	-0.2
	4	16.56	16.50	16.64	2993.250	2975.000	-0.6
	5	16.67	16.60	16.74	6948.500	6887.500	-0.9
TCX		6.40	6.35	6.45	216052.500	210250.000	-2.7
DCB		18.03	17.93	18.13	180698.750	170150.000	-5.8

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12423S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/23 Time Analyzed: 1906

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1242	1	6.87	6.80	6.94	3581.500	3640.000	1.6
	2	7.26	7.19	7.33	3286.250	3297.500	0.3
	3	7.82	7.76	7.90	6120.875	6307.500	3.0
	4	8.04	7.97	8.11	4041.500	4162.500	3.0
	5	8.21	8.15	8.29	2619.625	2687.500	2.6
TCX		5.46	5.41	5.51	174732.500	168650.000	-3.5
DCB		16.15	16.05	16.25	252965.000	255350.000	0.9

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12423S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/23 Time Analyzed: 1906

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1242	1	8.73	8.66	8.80	4490.125	4412.500	-1.7
	2	9.44	9.38	9.52	2427.375	2422.500	-0.2
	3	9.80	9.74	9.88	7172.750	7247.500	1.0
	4	10.20	10.13	10.27	3909.125	3867.500	-1.1
	5	10.54	10.48	10.62	3006.250	3020.000	0.5
TCX		6.40	6.35	6.45	216052.500	209750.000	-2.9
DCB		18.02	17.93	18.13	180698.750	177650.000	-1.7

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12483S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/24 Time Analyzed: 1931

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1248	1	6.87	6.80	6.94	2075.750	2000.000	-3.6
	2	7.26	7.19	7.33	1512.125	1470.000	-2.8
	3	7.79	7.72	7.86	3666.750	3620.000	-1.3
	4	8.04	7.98	8.12	2164.625	2102.500	-2.9
	5	9.18	9.11	9.25	2124.250	2080.000	-2.1
TCX		5.46	5.41	5.51	174732.500	167250.000	-4.3
DCB		16.15	16.05	16.25	252965.000	250700.000	-0.9

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/13/2013

EPA Sample No.(AR####3##): AR12483S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/24 Time Analyzed: 1931

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1248	1	8.73	8.66	8.80	2429.500	2362.500	-2.8
	2	9.76	9.69	9.83	4173.750	4177.500	0.1
	3	10.20	10.13	10.27	1934.000	1902.500	-1.6
	4	10.92	10.86	11.00	1753.625	1757.500	0.2
	5	11.62	11.56	11.70	2563.250	2527.500	-1.4
TCX		6.40	6.35	6.45	216052.500	209150.000	-3.2
DCB		18.02	17.93	18.13	180698.750	176725.000	-2.2

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

EPA Sample No.(AR####3##): AR12543S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/25 Time Analyzed: 1955

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1254	1	10.93	10.86	11.00	2958.375	2960.000	0.1
	2	11.36	11.30	11.44	2792.125	2785.000	-0.3
	3	11.49	11.42	11.56	5911.000	5990.000	1.3
	4	11.59	11.53	11.67	2046.250	1997.500	-2.4
	5	12.25	12.19	12.33	8649.750	8992.500	4.0
TCX		5.45	5.41	5.51	174732.500	171550.000	-1.8
DCB		16.15	16.05	16.25	252965.000	248950.000	-1.6

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

7N - FORM VII ARO
AROCLOR CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

EPA Sample No.(AR####3##): AR12543S3 Date Analyzed: 08/14/2013

Lab Sample ID: CCVC 200-60364/25 Time Analyzed: 1955

EPA Sample No.(AR####3##): Date Analyzed:

Lab Sample ID: Time Analyzed:

AROCLOR COMPOUND	PEAK	RETENTION RT	RT WINDOW FROM	RT WINDOW TO	$\overline{CF}$	CF	%D
AR1254	1	12.77	12.70	12.84	5388.250	5332.500	-1.0
	2	13.00	12.94	13.08	4139.000	4105.000	-0.8
	3	13.20	13.14	13.28	5004.375	4980.000	-0.5
	4	13.41	13.35	13.49	3456.625	3555.000	2.8
	5	13.72	13.66	13.80	13266.000	14110.000	6.4
TCX		6.40	6.35	6.45	216052.500	213100.000	-1.4
DCB		18.02	17.93	18.13	180698.750	175800.000	-2.7

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.46 DCB: 16.15

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ	5253CHSOM01.D	08/13/2013	1358	5.47	16.16
02	ZZZZZ	5253CHSOM02.D	08/13/2013	1422	5.46	16.16
03	ZZZZZ	5253CHSOM03.D	08/13/2013	1447	5.46	16.15
04	AR12211S1	5253CHSOM04.D	08/13/2013	1512	5.46	16.15
05	AR12212S1	5253CHSOM05.D	08/13/2013	1536	5.46	16.15
06	AR12213S1	5253CHSOM06.D	08/13/2013	1601	5.46	16.15
07	AR12214S1	5253CHSOM07.D	08/13/2013	1625	5.46	16.15
08	AR12215S1	5253CHSOM08.D	08/13/2013	1650	5.46	16.15
09	AR12321S1	5253CHSOM09.D	08/13/2013	1715	5.46	16.15
10	AR12322S1	5253CHSOM10.D	08/13/2013	1739	5.46	16.15
11	AR12323S1	5253CHSOM11.D	08/13/2013	1804	5.46	16.15
12	AR12324S1	5253CHSOM12.D	08/13/2013	1828	5.46	16.15
13	AR12325S1	5253CHSOM13.D	08/13/2013	1853	5.46	16.15
14	AR12421S1	5253CHSOM14.D	08/13/2013	1918	5.46	16.15
15	AR12422S1	5253CHSOM15.D	08/13/2013	1942	5.46	16.15
16	AR12423S1	5253CHSOM16.D	08/13/2013	2007	5.46	16.15
17	AR12424S1	5253CHSOM17.D	08/13/2013	2032	5.46	16.15
18	AR12425S1	5253CHSOM18.D	08/13/2013	2056	5.46	16.15
19	AR12481S1	5253CHSOM19.D	08/13/2013	2121	5.46	16.15
20	AR12482S1	5253CHSOM20.D	08/13/2013	2146	5.46	16.15
21	AR12483S1	5253CHSOM21.D	08/13/2013	2210	5.46	16.15
22	AR12484S1	5253CHSOM22.D	08/13/2013	2235	5.46	16.15
23	AR12485S1	5253CHSOM23.D	08/13/2013	2300	5.46	16.15
24	AR12541S1	5253CHSOM24.D	08/13/2013	2324	5.46	16.15
25	AR12542S1	5253CHSOM25.D	08/13/2013	2349	5.46	16.15
26	AR12543S1	5253CHSOM26.D	08/14/2013	0014	5.46	16.15
27	AR12544S1	5253CHSOM27.D	08/14/2013	0038	5.46	16.15
28	AR12545S1	5253CHSOM28.D	08/14/2013	0103	5.46	16.15
29	AR12621S1	5253CHSOM29.D	08/14/2013	0127	5.46	16.15
30	AR12622S1	5253CHSOM30.D	08/14/2013	0152	5.46	16.15
31	AR12623S1	5253CHSOM31.D	08/14/2013	0217	5.46	16.15
32	AR12624S1	5253CHSOM32.D	08/14/2013	0241	5.46	16.15

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.46 DCB: 16.15

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	AR12625S1	5253CHSOM33.D	08/14/2013	0306	5.46	16.15
34	AR12681S1	5253CHSOM34.D	08/14/2013	0331	5.46	16.15
35	AR12682S1	5253CHSOM35.D	08/14/2013	0355	5.46	16.15
36	AR12683S1	5253CHSOM36.D	08/14/2013	0420	5.46	16.15
37	AR12684S1	5253CHSOM37.D	08/14/2013	0444	5.46	16.15
38	AR12685S1	5253CHSOM38.D	08/14/2013	0509	5.46	16.15
39	AIBLKS4	5253CHSOM39.D	08/14/2013	0534	5.46	16.15
40	AR16601S1	5253CHSOM40.D	08/14/2013	0558	5.46	16.15
41	AR16602S1	5253CHSOM41.D	08/14/2013	0623	5.46	16.15
42	AR16603S1	5253CHSOM42.D	08/14/2013	0647	5.46	16.15
43	AR16604S1	5253CHSOM43.D	08/14/2013	0712	5.46	16.15
44	AR16605S1	5253CHSOM44.D	08/14/2013	0737	5.46	16.15
45	AIBLKS5	5253CHSOM45.D	08/14/2013	0801	5.46	16.15
46	AR16603S2	5253CHSOM46.D	08/14/2013	0826	5.46	16.15
47	AR12423S2	5253CHSOM47.D	08/14/2013	0851	5.46	16.15
48	AR12483S2	5253CHSOM48.D	08/14/2013	0915	5.46	16.15
49	AR12543S2	5253CHSOM49.D	08/14/2013	0940	5.46	16.15
50	ZZZZZ	5253CHASOM01.D	08/14/2013	1004	5.46	16.15
51	ZZZZZ	5253CHASOM02.D	08/14/2013	1029	5.46	16.15
52	ZZZZZ	5253CHASOM03.D	08/14/2013	1054	5.46	16.15
53	ZZZZZ	5253CHASOM04.D	08/14/2013	1118	5.46	16.15
54	ZZZZZ	5253CHASOM05.D	08/14/2013	1143	5.46	16.15
55	ZZZZZ	5253CHASOM06.D	08/14/2013	1207	5.46	16.15
56	ABLKI3	5253CHASOM07.D	08/14/2013	1232	5.46	16.15
57	ALCSI3	5253CHASOM08.D	08/14/2013	1257	5.46	16.15
58	TS003 (072413)	5253CHASOM09.D	08/14/2013	1321	5.46	16.15
59	ZZZZZ	5253CHASOM10.D	08/14/2013	1346	5.46	16.15
60	TS004 (072413)	5253CHASOM11.D	08/14/2013	1410	5.46	16.15
61	ZZZZZ	5253CHASOM12.D	08/14/2013	1435	5.46	16.15
62	ZZZZZ	5253CHASOM13.D	08/14/2013	1500	5.46	16.15

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 5.46 DCB: 16.15

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
63	ZZZZZ	5253CHASOM14.D	08/14/2013	1524	5.46	16.15
64	ZZZZZ	5253CHASOM15.D	08/14/2013	1549	5.46	16.15
65	ZZZZZ	5253CHASOM16.D	08/14/2013	1614	5.46	16.15
66	ZZZZZ	5253CHASOM17.D	08/14/2013	1638	5.46	16.15
67	ZZZZZ	5253CHASOM18.D	08/14/2013	1703	5.46	16.15
68	ZZZZZ	5253CHASOM19.D	08/14/2013	1728	5.46	16.15
69	ZZZZZ	5253CHASOM20.D	08/14/2013	1752	5.46	16.15
70	AIBLKS6	5253CHASOM21.D	08/14/2013	1817	5.46	16.15
71	AR16603S3	5253CHASOM22.D	08/14/2013	1841	5.46	16.15
72	AR12423S3	5253CHASOM23.D	08/14/2013	1906	5.46	16.15
73	AR12483S3	5253CHASOM24.D	08/14/2013	1931	5.46	16.15
74	AR12543S3	5253CHASOM25.D	08/14/2013	1955	5.45	16.15

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 6.40 DCB: 18.03

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ	5253CHSOM01.D	08/13/2013	1358	6.40	18.04
02	ZZZZZ	5253CHSOM02.D	08/13/2013	1422	6.40	18.04
03	ZZZZZ	5253CHSOM03.D	08/13/2013	1447	6.40	18.04
04	AR12211S1	5253CHSOM04.D	08/13/2013	1512	6.41	18.04
05	AR12212S1	5253CHSOM05.D	08/13/2013	1536	6.40	18.03
06	AR12213S1	5253CHSOM06.D	08/13/2013	1601	6.40	18.03
07	AR12214S1	5253CHSOM07.D	08/13/2013	1625	6.40	18.03
08	AR12215S1	5253CHSOM08.D	08/13/2013	1650	6.40	18.03
09	AR12321S1	5253CHSOM09.D	08/13/2013	1715	6.40	18.03
10	AR12322S1	5253CHSOM10.D	08/13/2013	1739	6.40	18.03
11	AR12323S1	5253CHSOM11.D	08/13/2013	1804	6.40	18.03
12	AR12324S1	5253CHSOM12.D	08/13/2013	1828	6.40	18.03
13	AR12325S1	5253CHSOM13.D	08/13/2013	1853	6.40	18.03
14	AR12421S1	5253CHSOM14.D	08/13/2013	1918	6.40	18.03
15	AR12422S1	5253CHSOM15.D	08/13/2013	1942	6.40	18.03
16	AR12423S1	5253CHSOM16.D	08/13/2013	2007	6.40	18.03
17	AR12424S1	5253CHSOM17.D	08/13/2013	2032	6.40	18.03
18	AR12425S1	5253CHSOM18.D	08/13/2013	2056	6.40	18.03
19	AR12481S1	5253CHSOM19.D	08/13/2013	2121	6.40	18.03
20	AR12482S1	5253CHSOM20.D	08/13/2013	2146	6.40	18.03
21	AR12483S1	5253CHSOM21.D	08/13/2013	2210	6.40	18.03
22	AR12484S1	5253CHSOM22.D	08/13/2013	2235	6.40	18.03
23	AR12485S1	5253CHSOM23.D	08/13/2013	2300	6.40	18.03
24	AR12541S1	5253CHSOM24.D	08/13/2013	2324	6.40	18.03
25	AR12542S1	5253CHSOM25.D	08/13/2013	2349	6.40	18.03
26	AR12543S1	5253CHSOM26.D	08/14/2013	0014	6.40	18.03
27	AR12544S1	5253CHSOM27.D	08/14/2013	0038	6.40	18.03
28	AR12545S1	5253CHSOM28.D	08/14/2013	0103	6.40	18.03
29	AR12621S1	5253CHSOM29.D	08/14/2013	0127	6.40	18.03
30	AR12622S1	5253CHSOM30.D	08/14/2013	0152	6.40	18.03
31	AR12623S1	5253CHSOM31.D	08/14/2013	0217	6.40	18.03
32	AR12624S1	5253CHSOM32.D	08/14/2013	0241	6.40	18.03

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 6.40 DCB: 18.03

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	AR12625S1	5253CHSOM33.D	08/14/2013	0306	6.40	18.03
34	AR12681S1	5253CHSOM34.D	08/14/2013	0331	6.40	18.03
35	AR12682S1	5253CHSOM35.D	08/14/2013	0355	6.40	18.03
36	AR12683S1	5253CHSOM36.D	08/14/2013	0420	6.40	18.03
37	AR12684S1	5253CHSOM37.D	08/14/2013	0444	6.40	18.03
38	AR12685S1	5253CHSOM38.D	08/14/2013	0509	6.40	18.03
39	AIBLKS4	5253CHSOM39.D	08/14/2013	0534	6.40	18.04
40	AR16601S1	5253CHSOM40.D	08/14/2013	0558	6.40	18.03
41	AR16602S1	5253CHSOM41.D	08/14/2013	0623	6.40	18.03
42	AR16603S1	5253CHSOM42.D	08/14/2013	0647	6.40	18.03
43	AR16604S1	5253CHSOM43.D	08/14/2013	0712	6.40	18.03
44	AR16605S1	5253CHSOM44.D	08/14/2013	0737	6.40	18.03
45	AIBLKS5	5253CHSOM45.D	08/14/2013	0801	6.40	18.03
46	AR16603S2	5253CHSOM46.D	08/14/2013	0826	6.40	18.03
47	AR12423S2	5253CHSOM47.D	08/14/2013	0851	6.40	18.03
48	AR12483S2	5253CHSOM48.D	08/14/2013	0915	6.40	18.03
49	AR12543S2	5253CHSOM49.D	08/14/2013	0940	6.40	18.03
50	ZZZZZ	5253CHASOM01.D	08/14/2013	1004	6.40	18.03
51	ZZZZZ	5253CHASOM02.D	08/14/2013	1029	6.40	18.03
52	ZZZZZ	5253CHASOM03.D	08/14/2013	1054	6.40	18.03
53	ZZZZZ	5253CHASOM04.D	08/14/2013	1118	6.40	18.03
54	ZZZZZ	5253CHASOM05.D	08/14/2013	1143	6.40	18.03
55	ZZZZZ	5253CHASOM06.D	08/14/2013	1207	6.40	18.03
56	ABLKI3	5253CHASOM07.D	08/14/2013	1232	6.40	18.03
57	ALCSI3	5253CHASOM08.D	08/14/2013	1257	6.40	18.03
58	TS003 (072413)	5253CHASOM09.D	08/14/2013	1321	6.40	18.03
59	ZZZZZ	5253CHASOM10.D	08/14/2013	1346	6.40	18.03
60	TS004 (072413)	5253CHASOM11.D	08/14/2013	1410	6.40	18.03
61	ZZZZZ	5253CHASOM12.D	08/14/2013	1435	6.40	18.03
62	ZZZZZ	5253CHASOM13.D	08/14/2013	1500	6.40	18.03

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 08/13/2013 08/14/2013

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 6.40 DCB: 18.03

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
63	ZZZZZ	5253CHASOM14.D	08/14/2013	1524	6.40	18.03
64	ZZZZZ	5253CHASOM15.D	08/14/2013	1549	6.40	18.03
65	ZZZZZ	5253CHASOM16.D	08/14/2013	1614	6.40	18.03
66	ZZZZZ	5253CHASOM17.D	08/14/2013	1638	6.40	18.03
67	ZZZZZ	5253CHASOM18.D	08/14/2013	1703	6.40	18.03
68	ZZZZZ	5253CHASOM19.D	08/14/2013	1728	6.40	18.03
69	ZZZZZ	5253CHASOM20.D	08/14/2013	1752	6.40	18.03
70	AIBLKS6	5253CHASOM21.D	08/14/2013	1817	6.40	18.03
71	AR16603S3	5253CHASOM22.D	08/14/2013	1841	6.40	18.03
72	AR12423S3	5253CHASOM23.D	08/14/2013	1906	6.40	18.02
73	AR12483S3	5253CHASOM24.D	08/14/2013	1931	6.40	18.02
74	AR12543S3	5253CHASOM25.D	08/14/2013	1955	6.40	18.02

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values outside contract required QC limits with an asterisk.

10C - FORM X ARO
IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
TS003 (072413)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: 200-17642-2 Date(s) Analyzed: 08/14/2013 08/14/2013

Instrument ID (1): 5253_1.i Instrument ID (2): 5253_2.i

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-35 ID: 0.25 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
Aroclor-1254	1	10.94	10.86	11.00	12		
COLUMN 1	2	11.37	11.30	11.44	10		
	5	12.25	12.19	12.33	17	13	
	2	13.01	12.94	13.08	10		
COLUMN 2	4	13.42	13.35	13.49	28		
	5	13.73	13.66	13.80	20	19	48.0
Aroclor-1260	1	13.39	13.32	13.46	9.9		
	2	13.73	13.67	13.81	8.3		
COLUMN 1	3	14.10	14.03	14.17	8.4		
	4	14.48	14.42	14.56	9.1		
	5	14.64	14.58	14.72	11	9.3	
	1	14.59	14.52	14.66	10		
COLUMN 2	2	15.24	15.17	15.31	6.3		
	5	16.67	16.60	16.74	7.5	8.0	16.3

At least three peaks for each column are required for identification of multicomponent analytes.

10C - FORM X ARO
IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
ALCSI3

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Lab Sample ID: LCS 200-59239/2-C Date(s) Analyzed: 08/14/2013 08/14/2013

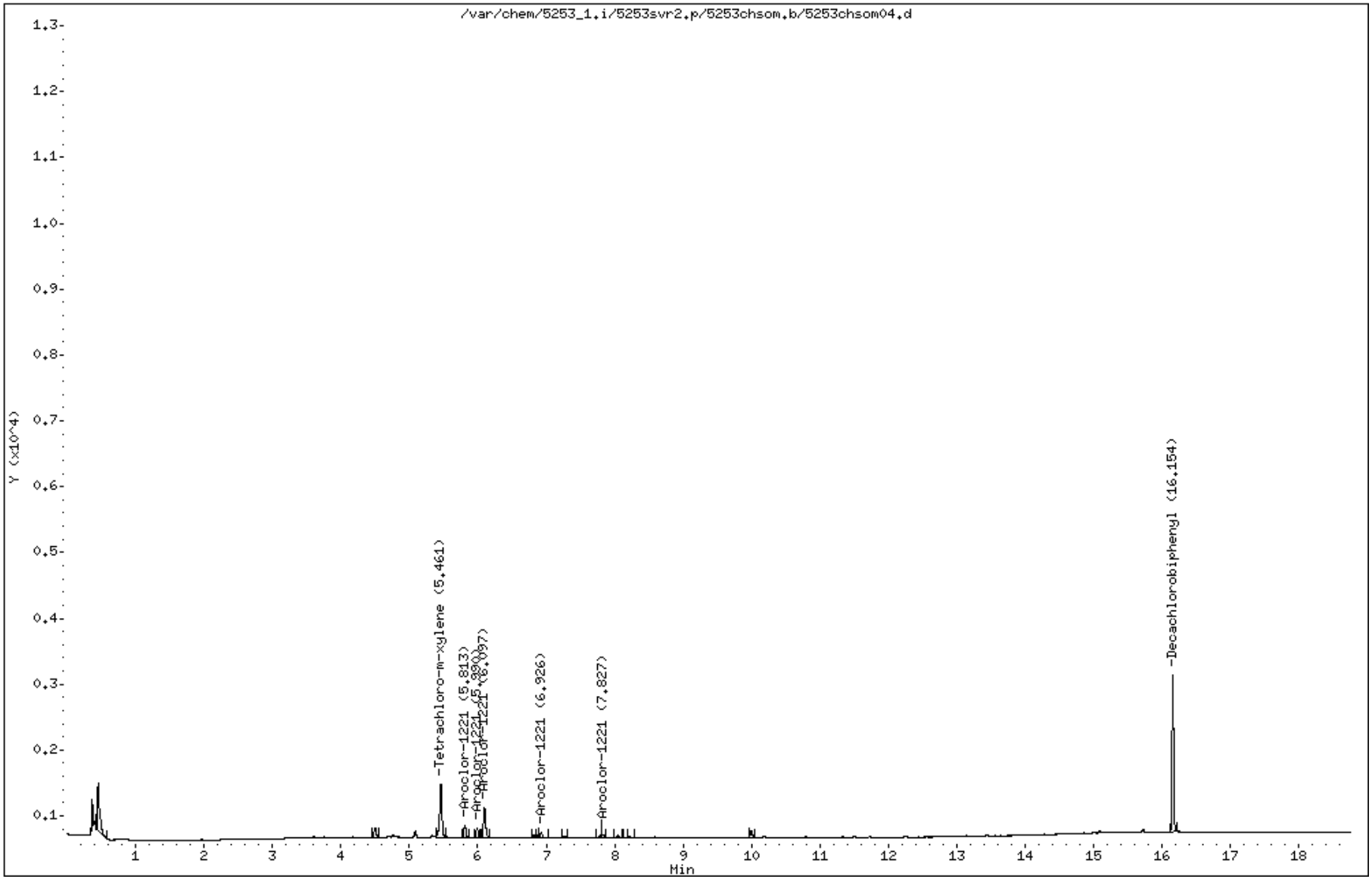
Instrument ID (1): 5253_1.i Instrument ID (2): 5253_2.i

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-35 ID: 0.25 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
Aroclor-1016	1	6.87	6.80	6.94	39		
	2	7.26	7.19	7.33	38		
COLUMN 1	3	8.04	7.97	8.11	36		
	4	9.09	9.02	9.16	39		
	5	9.40	9.33	9.47	38	38	
	1	7.70	7.63	7.77	37		
	2	8.73	8.66	8.80	36		
COLUMN 2	3	9.81	9.74	9.88	31		
	4	10.20	10.13	10.27	33		
	5	10.55	10.48	10.62	32	34	12.0
Aroclor-1260	1	13.39	13.32	13.46	38		
	2	13.74	13.67	13.81	39		
COLUMN 1	3	14.10	14.03	14.17	38		
	4	14.48	14.42	14.56	38		
	5	14.65	14.58	14.72	40	39	
	1	14.59	14.52	14.66	38		
	2	15.24	15.17	15.31	35		
COLUMN 2	3	15.77	15.70	15.84	39		
	4	16.57	16.50	16.64	40		
	5	16.67	16.60	16.74	38	38	2.1

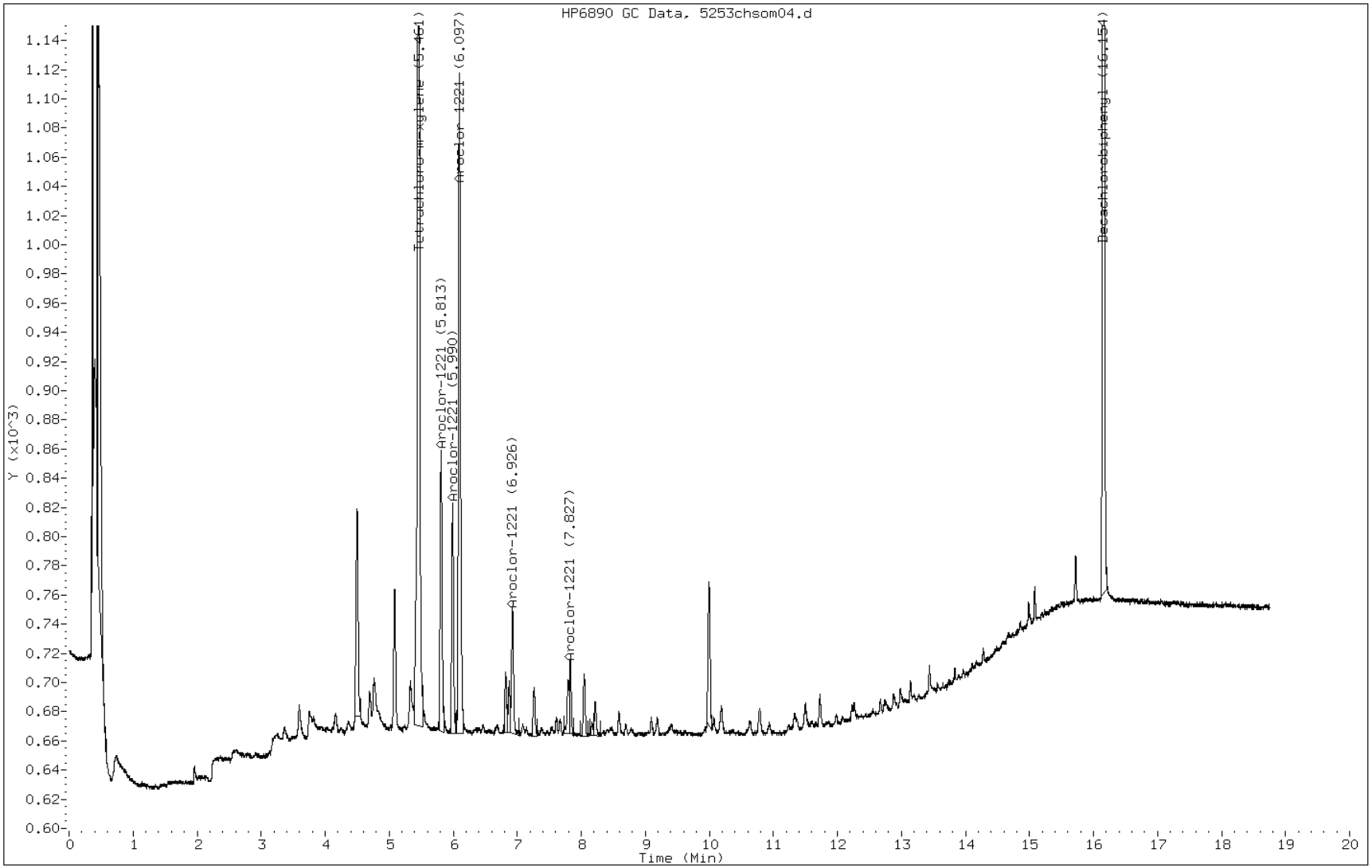
At least three peaks for each column are required for identification of multicomponent analytes.

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom04.d
Date : 13-AUG-2013 15:12
Client ID: AR12211S1 Instrument: 5253_1.i
Sample Info: IC-492119,1,AR12211S1
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-5 Column diameter: 0.25



Data File: 5253chsom04.d
Client ID: AR12211S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492119,1,AR12211S1

Date: 13-AUG-2013 15:12
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom04.d
Lab Smp Id: IC-492119 Client Smp ID: AR12211S1
Inj Date : 13-AUG-2013 15:12
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492119,1,AR12211S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.461	5.458	0.003	814	0.00500	0.004659	80.00- 120.00	100.00(M)
2 Aroclor-1221					CAS #: 11104-28-2		
5.812	5.809	0.003	192	0.10000	0.1141	80.00- 120.00	100.00(M)
5.990	5.989	0.001	158	0.10000	0.1159	51.55- 91.55	82.29
6.096	6.093	0.003	453	0.10000	0.1126	202.13- 242.13	235.94
6.926	6.925	0.001	85	0.10000	0.1140	13.39- 53.39	44.27
7.827	7.827	0.000	51	0.10000	0.1086	57.79- 97.79	26.56
Average of Peak Amounts =					0.113		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.154	16.151	0.003	2385	0.01000	0.009428	80.00- 120.00	100.00

QC Flag Legend

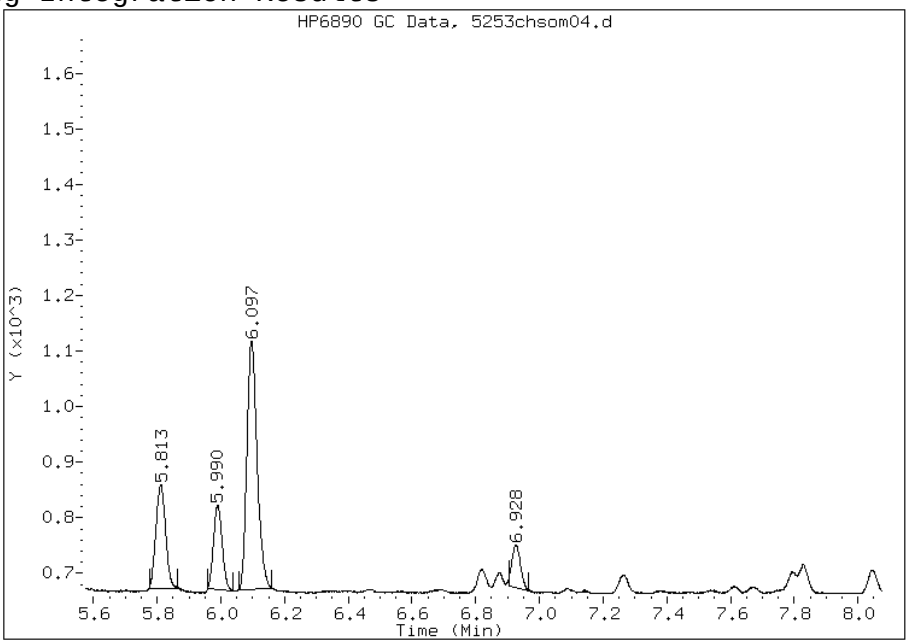
M - Compound response manually integrated.

Manual Integration Report

Data File: 5253chsom04.d
Lab Sample ID: IC-492119
Inj. Date and Time: 13-AUG-2013 15:12
Instrument ID: 5253_1.i
Client ID: AR12211S1
Compound: 2 Aroclor-1221
CAS #: 11104-28-2
Report Date: 08/14/2013

Processing Integration Results

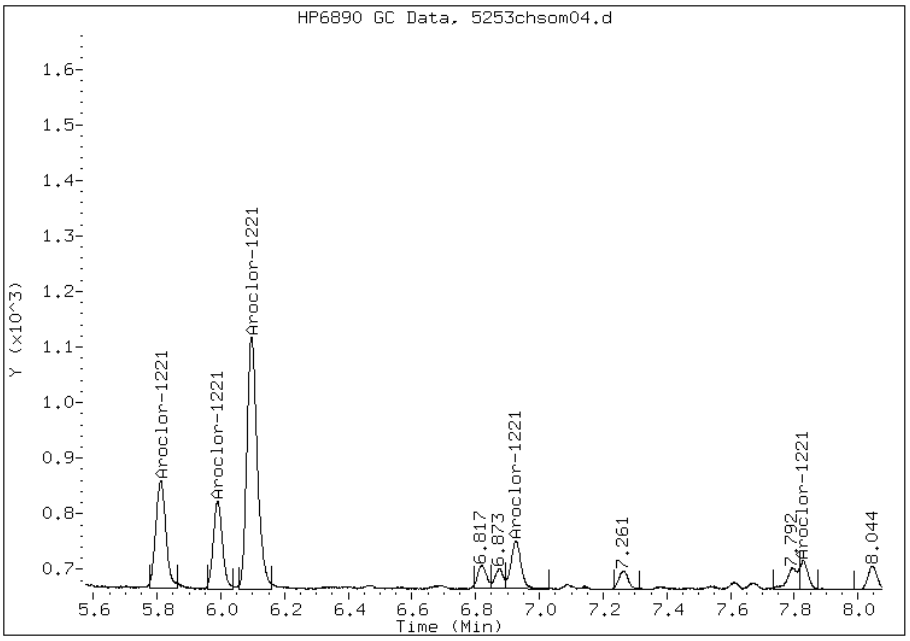
Not Detected



Manual Integration Results

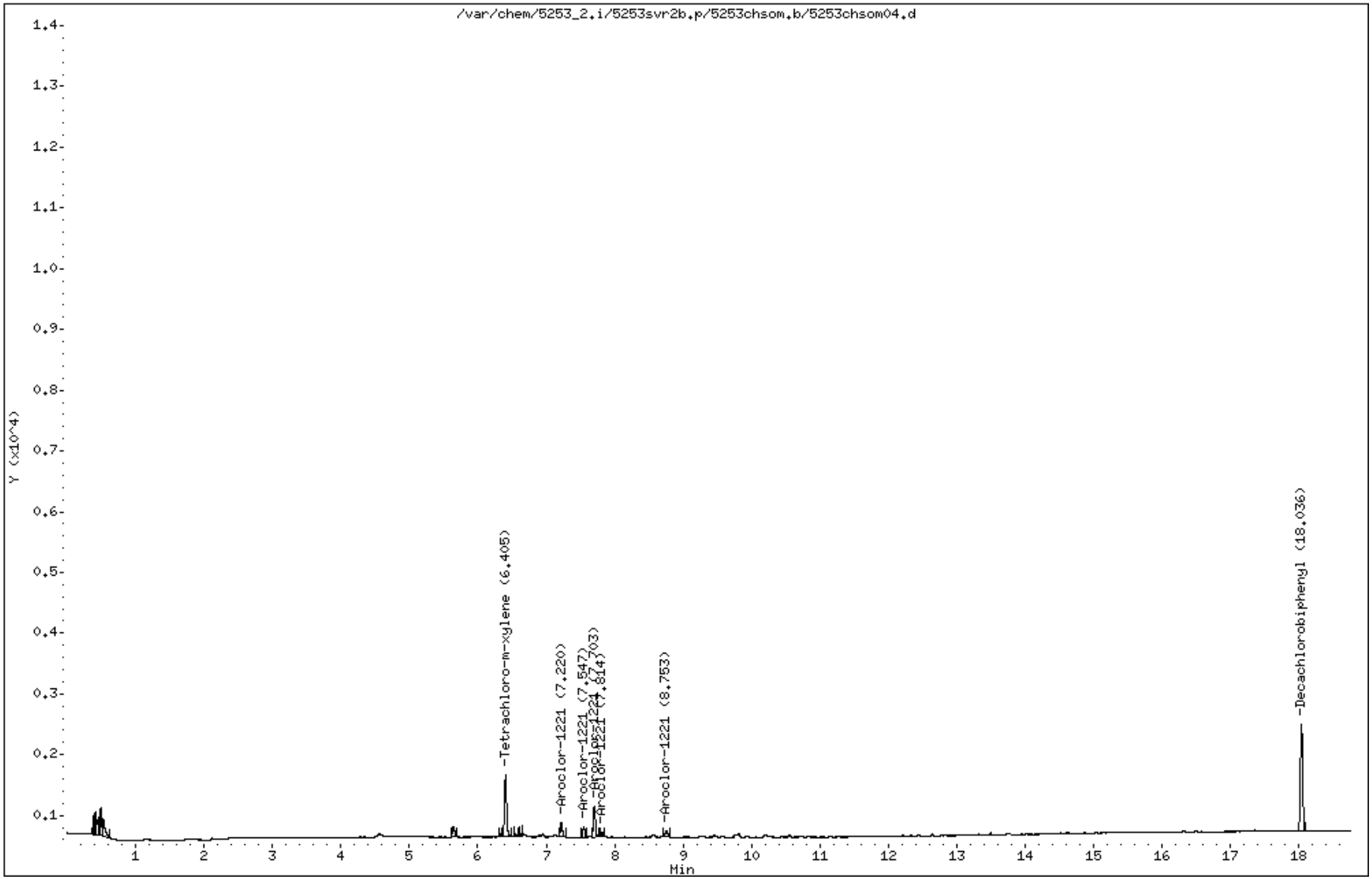
RT	Response	Conc
5.81	192*	0.11
5.99	158*	0.12
6.10	453*	0.11
6.93	85*	0.11
7.83	51*	0.11

Final Conc		0.11



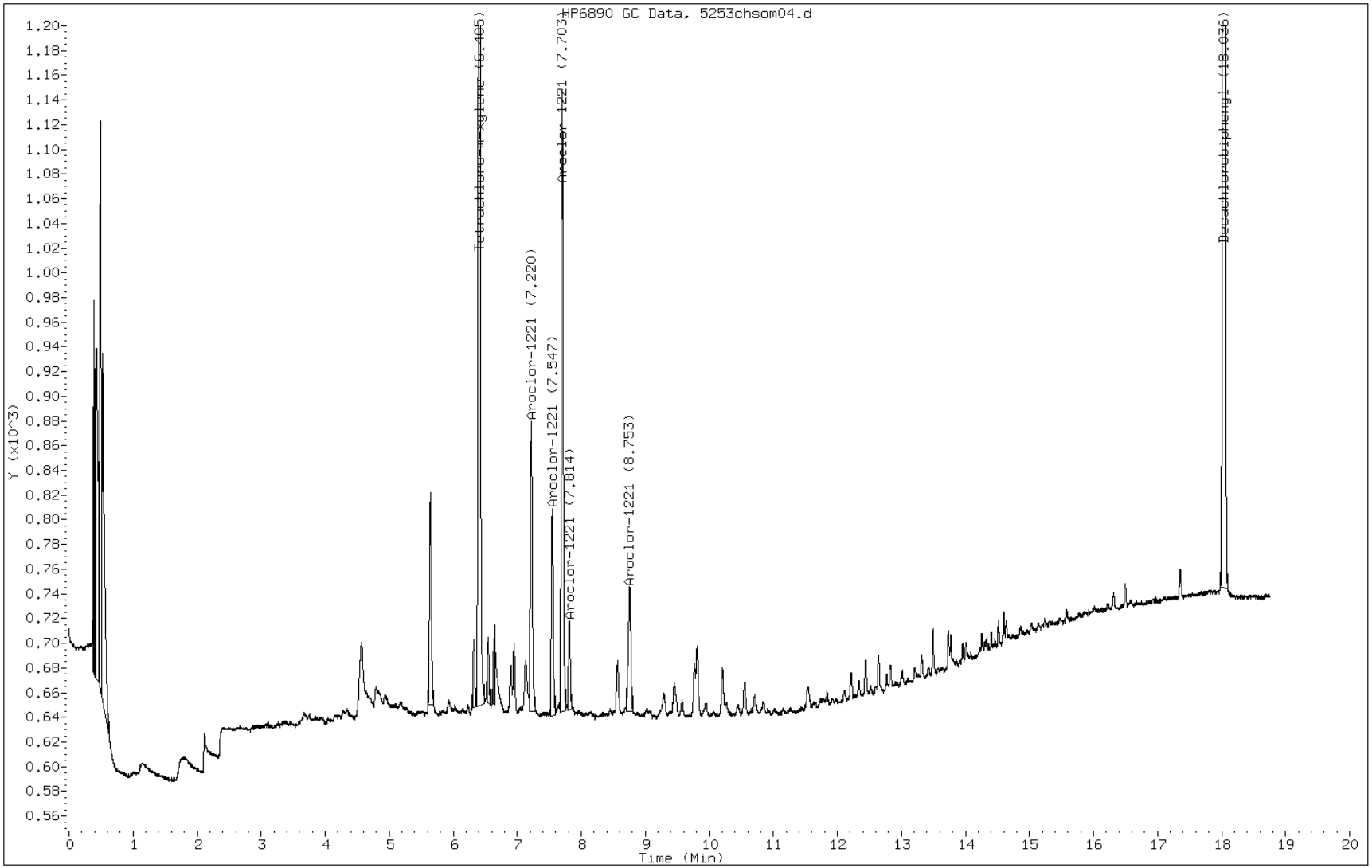
File Uploaded By: jsw
Manual Integration Reason: Analyte misidentified by the data system

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom04.d
Date : 13-AUG-2013 15:12
Client ID: AR12211S1
Instrument: 5253_2.i
Sample Info: IC-492119,1,AR12211S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom04.d
Client ID: AR12211S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492119,1,AR12211S1

Date: 13-AUG-2013 15:12
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom04.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom04.d
Lab Smp Id: IC-492119 Client Smp ID: AR12211S1
Inj Date : 13-AUG-2013 15:12
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492119,1,AR12211S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
6.405	6.402	0.003	1013	0.00500	0.004689	80.00- 120.00	100.00(M)
2 Aroclor-1221						CAS #: 11104-28-2	
7.218	7.219	-0.001	235	0.10000	0.1100	80.00- 120.00	100.00(M)
7.545	7.544	0.001	167	0.10000	0.1134	51.55- 91.55	71.06
7.703	7.700	0.003	504	0.10000	0.1088	202.13- 242.13	214.47
7.813	7.810	0.003	71	0.10000	0.1044	13.39- 53.39	30.21
8.753	8.752	0.001	101	0.10000	0.1112	57.79- 97.79	42.98
Average of Peak Amounts =					0.11		
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3	
18.036	18.032	0.004	1765	0.01000	0.009768	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

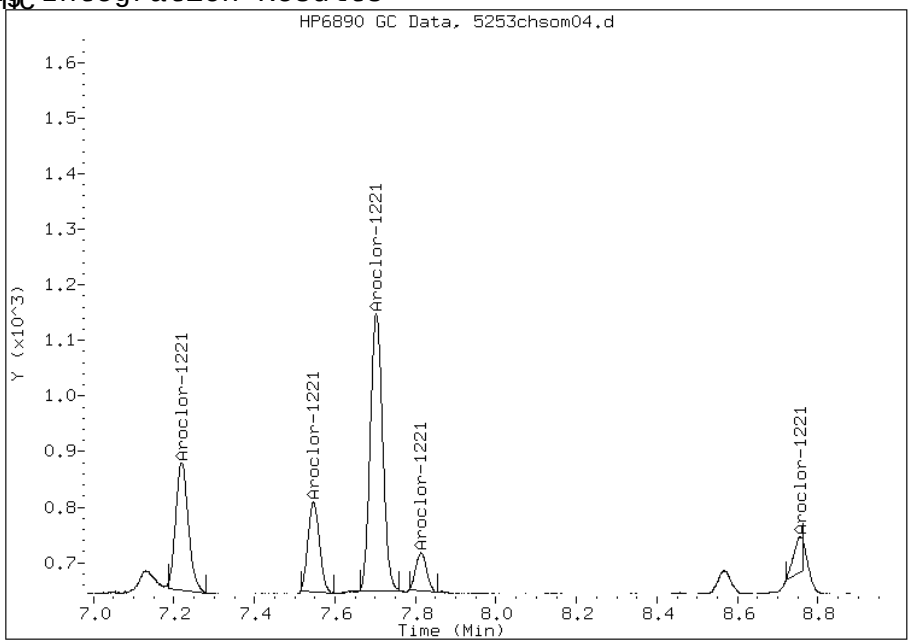
Manual Integration Report

Data File: 5253chsom04.d
Lab Sample ID: IC-492119
Inj. Date and Time: 13-AUG-2013 15:12
Instrument ID: 5253_2.i
Client ID: AR12211S1
Compound: 2 Aroclor-1221
CAS #: 11104-28-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.22	230*	0.11
7.55	161*	0.11
7.70	499*	0.11
7.81	69*	0.10
8.76	63*	0.07

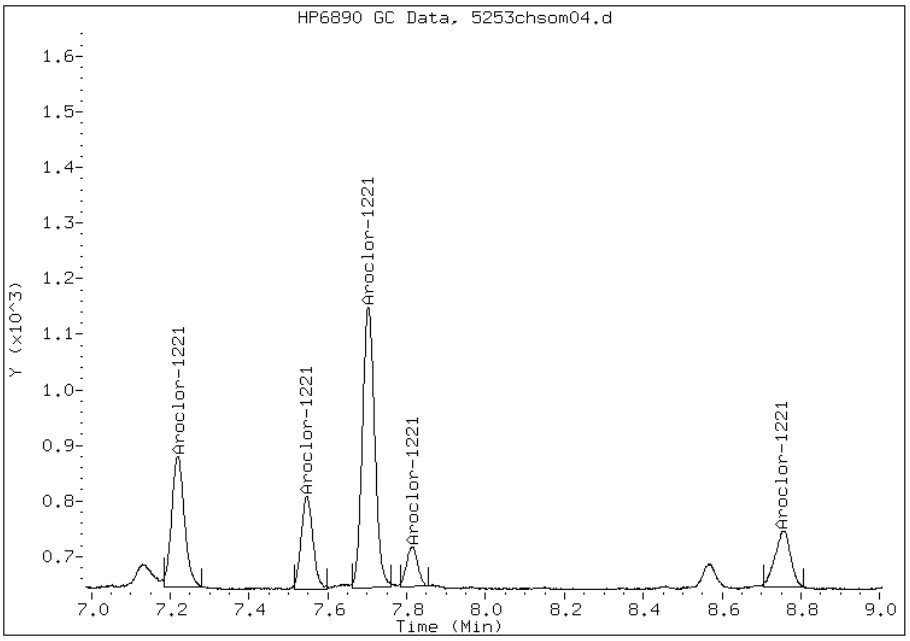
Final Conc		0.10



Manual Integration Results

RT	Response	Conc
7.22	235*	0.11
7.55	167*	0.11
7.70	504*	0.11
7.81	71*	0.10
8.75	101*	0.11

Final Conc		0.11



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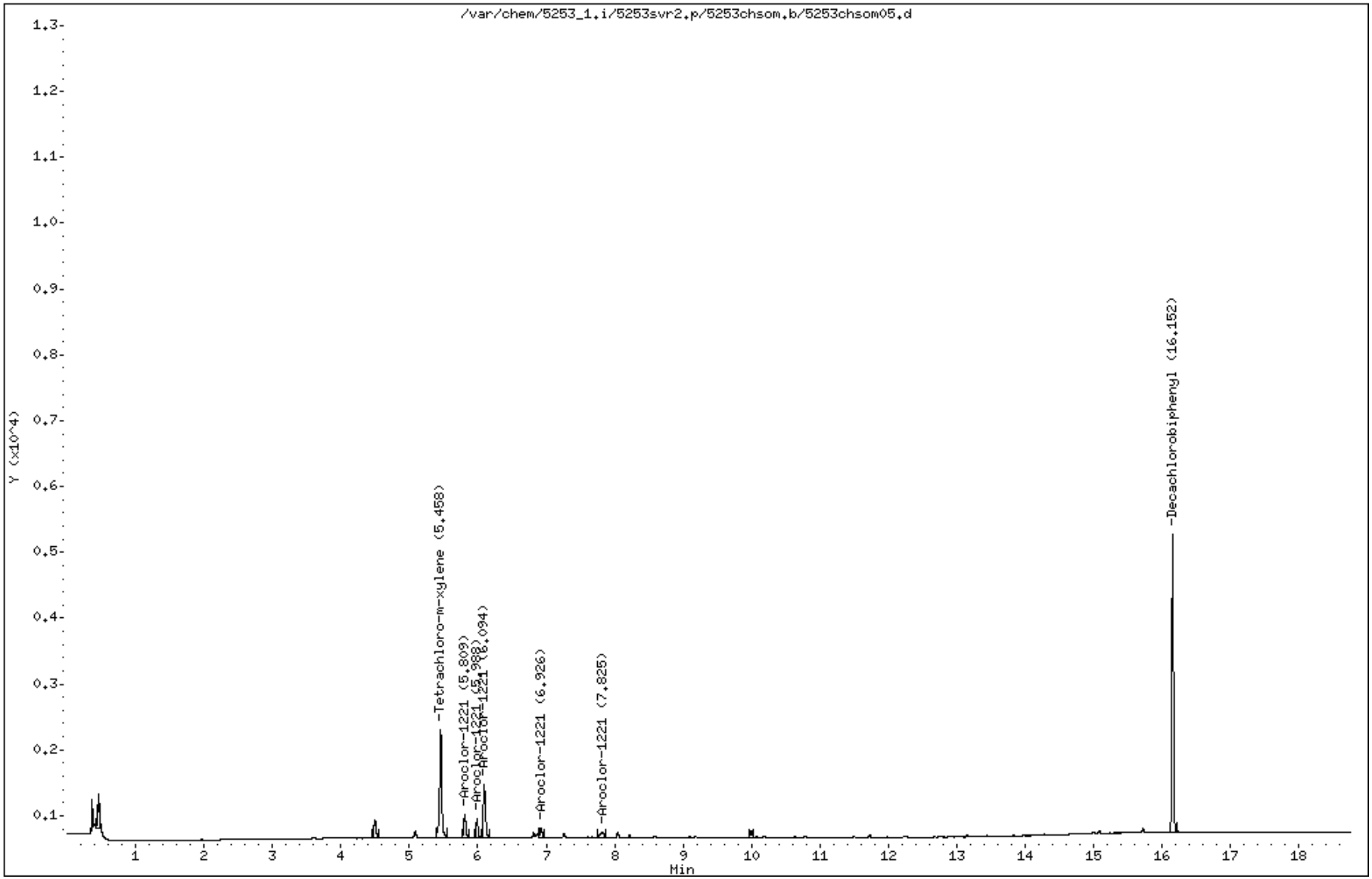
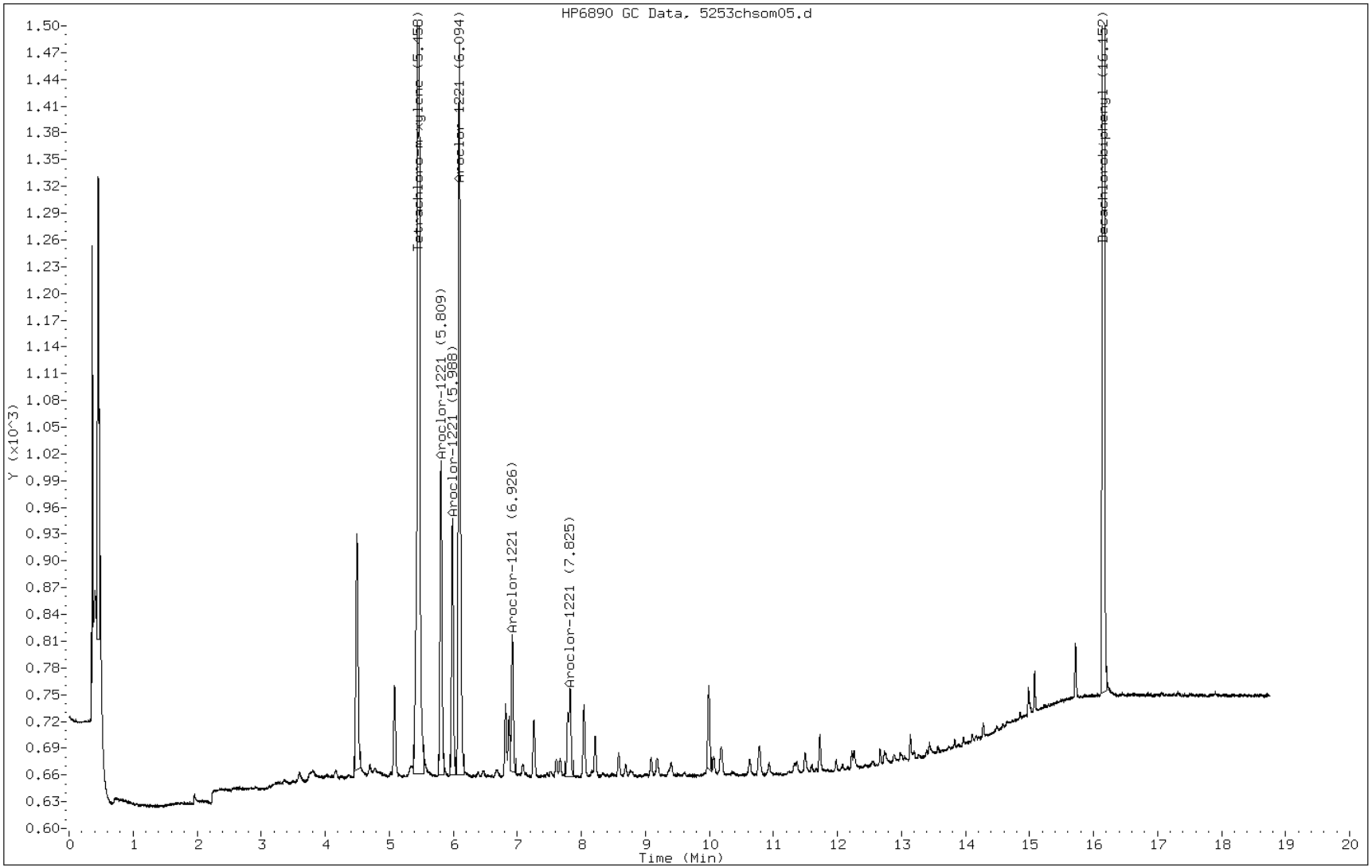
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom05.d
Date : 13-AUG-2013 15:36
Client ID: AR12212S1 Instrument: 5253_1.i
Sample Info: IC-492118,1,AR12212S1
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-5 Column diameter: 0.25



Data File:	5253chsom05.d	Date:	13-AUG-2013 15:36
Client ID:	AR12212S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-492118,1,AR12212S1		



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom05.d
Lab Smp Id: IC-492118 Client Smp ID: AR12212S1
Inj Date : 13-AUG-2013 15:36
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492118,1,AR12212S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	1636	0.01000	0.009363	80.00- 120.00	100.00(M)
2 Aroclor-1221					CAS #: 11104-28-2		
5.809	5.809	0.000	352	0.20000	0.2092	80.00- 120.00	100.00(M)
5.988	5.989	-0.001	288	0.20000	0.2113	51.55- 91.55	81.82
6.094	6.093	0.001	822	0.20000	0.2043	202.13- 242.13	233.52
6.926	6.925	0.001	155	0.20000	0.2079	13.39- 53.39	44.03
7.825	7.827	-0.002	99	0.20000	0.2108	57.79- 97.79	28.12
Average of Peak Amounts =					0.209		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	4516	0.02000	0.01785	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

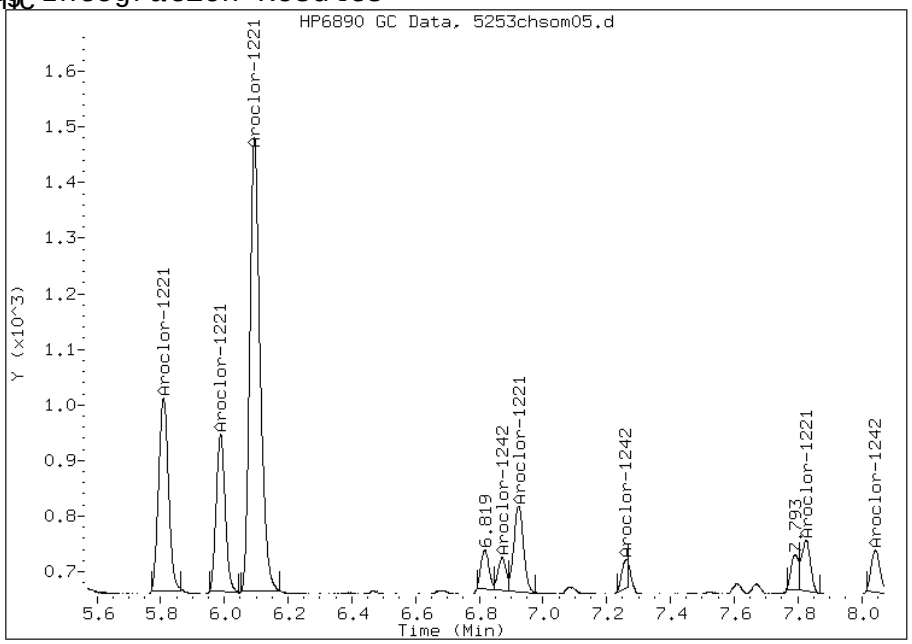
Manual Integration Report

Data File: 5253chsom05.d
Lab Sample ID: IC-492118
Inj. Date and Time: 13-AUG-2013 15:36
Instrument ID: 5253_1.i
Client ID: AR12212S1
Compound: 2 Aroclor-1221
CAS #: 11104-28-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
5.81	346*	0.21
5.99	283*	0.21
6.09	817*	0.20
6.93	155	0.21
7.83	93*	0.20

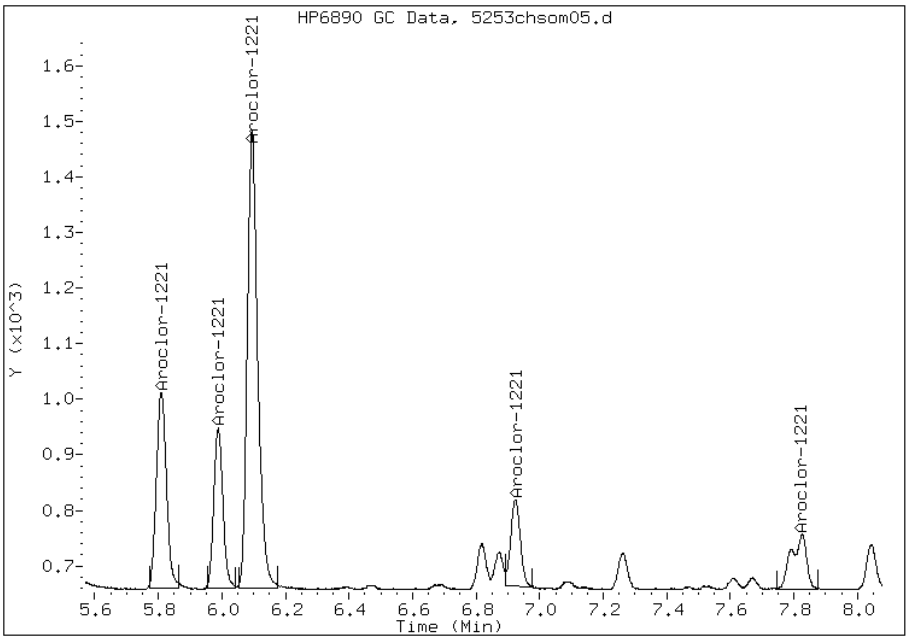
Final Conc		0.20



Manual Integration Results

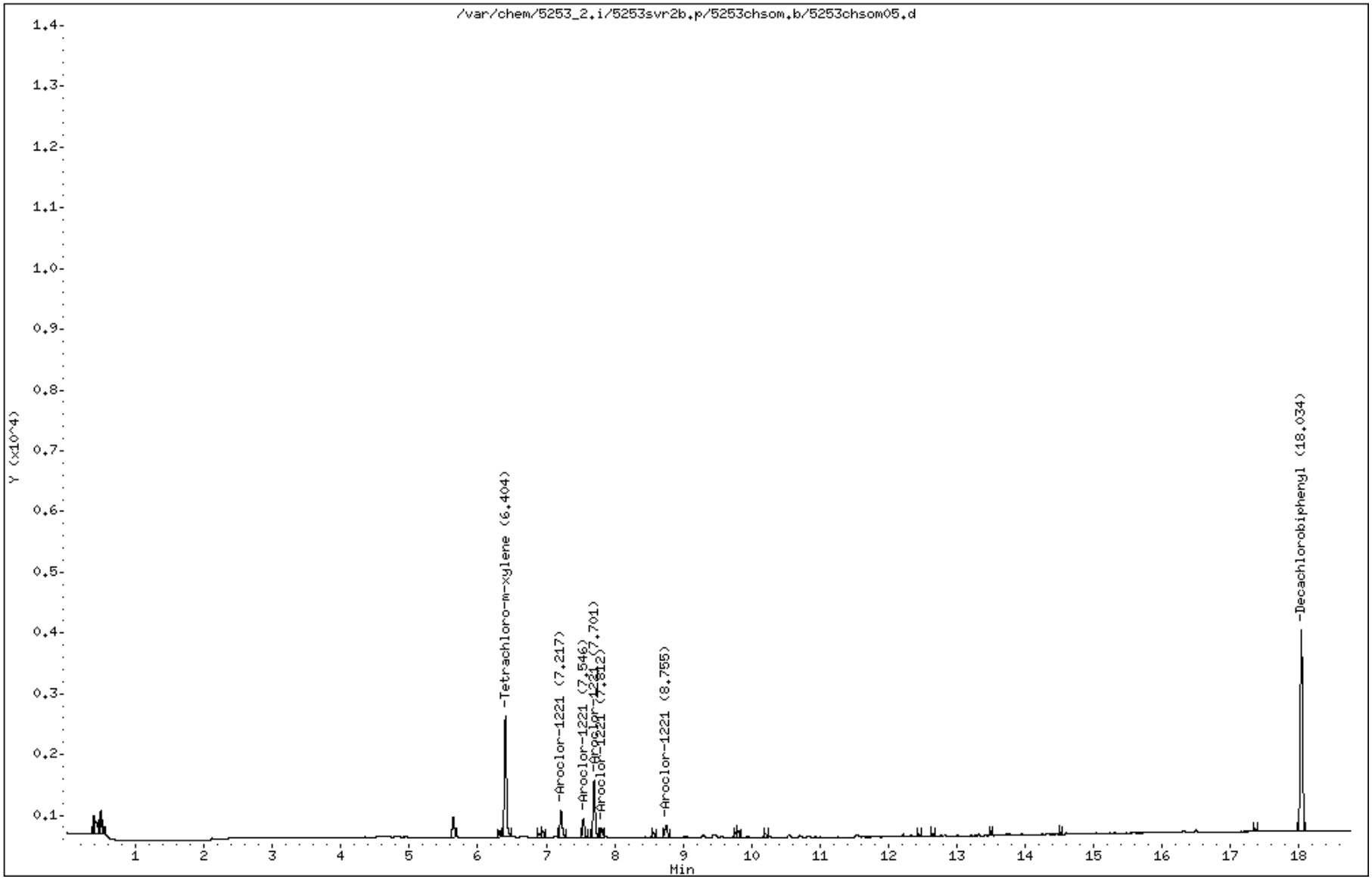
RT	Response	Conc
5.81	352*	0.21
5.99	288*	0.21
6.09	822*	0.20
6.93	155	0.21
7.82	99*	0.21

Final Conc		0.21



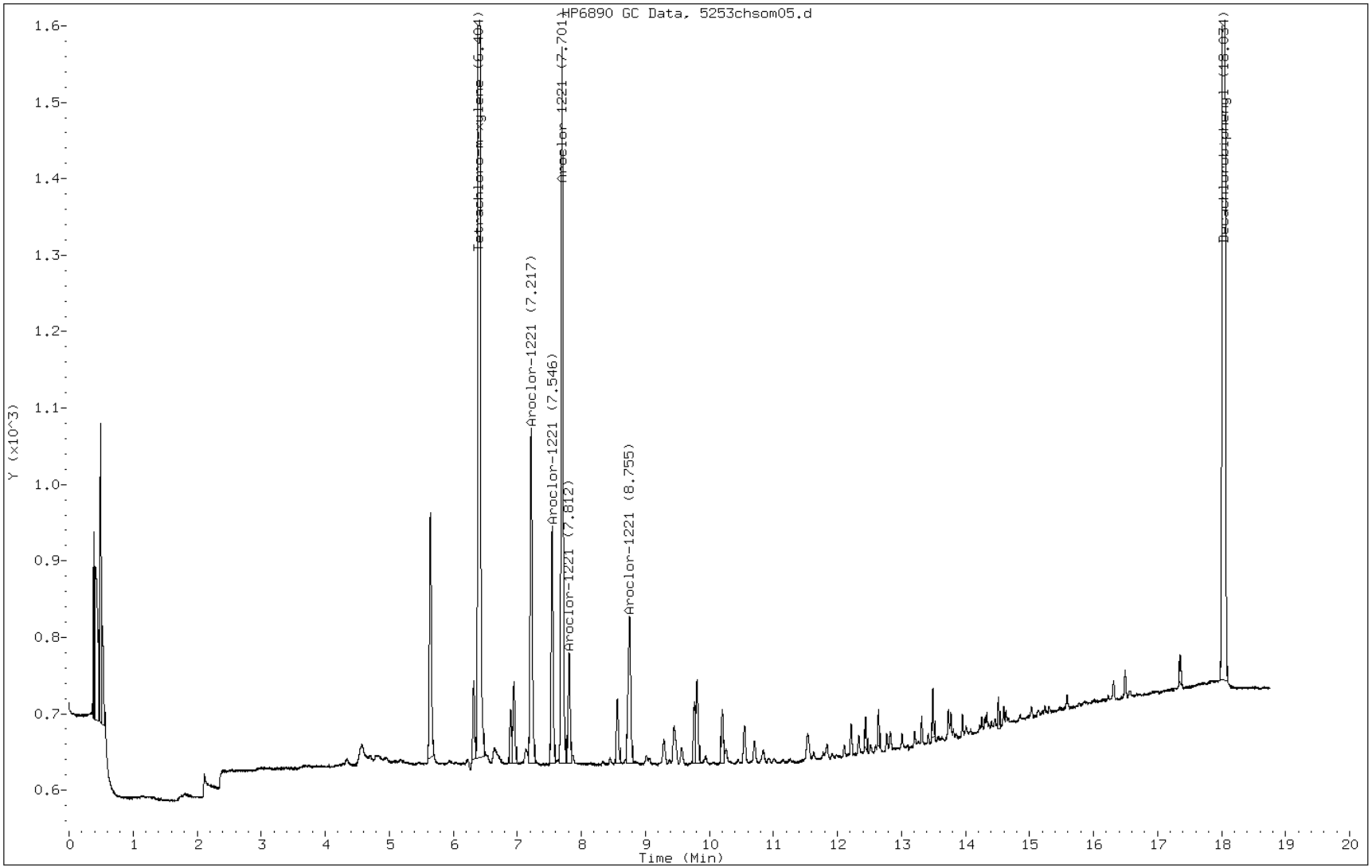
File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom05.d
Date : 13-AUG-2013 15:36
Client ID: AR1221ZS1
Instrument: 5253_2.i
Sample Info: IC-492118,1,AR1221ZS1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom05.d
Client ID: AR12212S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492118,1,AR12212S1

Date: 13-AUG-2013 15:36
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom05.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom05.d
Lab Smp Id: IC-492118 Client Smp ID: AR12212S1
Inj Date : 13-AUG-2013 15:36
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492118,1,AR12212S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	1994	0.01000	0.009229	80.00- 120.00	100.00(M)
2 Aroclor-1221					CAS #: 11104-28-2		
7.217	7.219	-0.002	439	0.20000	0.2054	80.00- 120.00	100.00(M)
7.545	7.544	0.001	311	0.20000	0.2112	51.55- 91.55	70.84
7.700	7.700	0.000	937	0.20000	0.2023	202.13- 242.13	213.44
7.811	7.810	0.001	145	0.20000	0.2133	13.39- 53.39	33.03
8.755	8.752	0.003	192	0.20000	0.2113	57.79- 97.79	43.74
Average of Peak Amounts =					0.209		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	3313	0.02000	0.01833	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

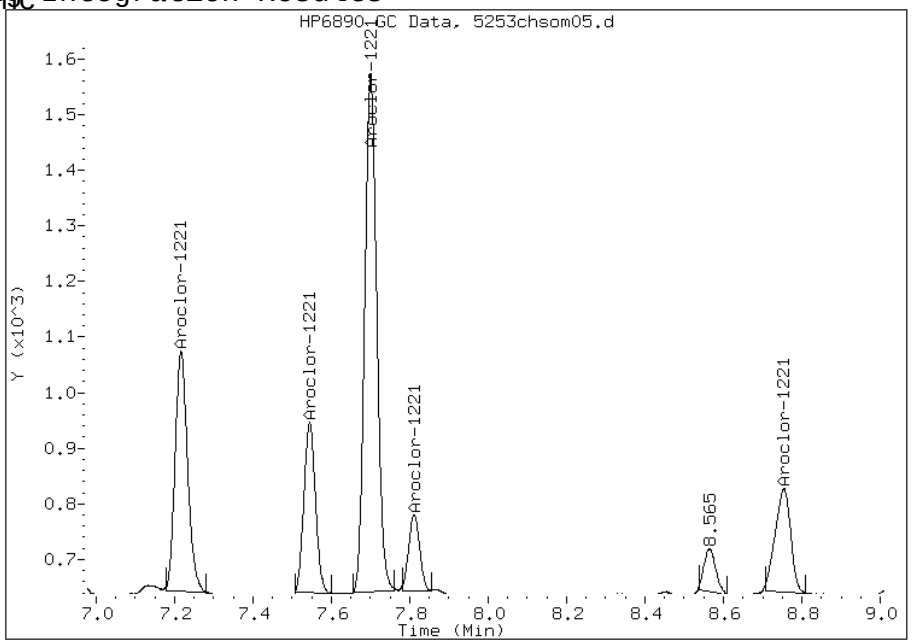
Manual Integration Report

Data File: 5253chsom05.d
Lab Sample ID: IC-492118
Inj. Date and Time: 13-AUG-2013 15:36
Instrument ID: 5253_2.i
Client ID: AR12212S1
Compound: 2 Aroclor-1221
CAS #: 11104-28-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.22	432*	0.20
7.55	305*	0.21
7.70	930*	0.20
7.81	136*	0.20
8.75	187*	0.21

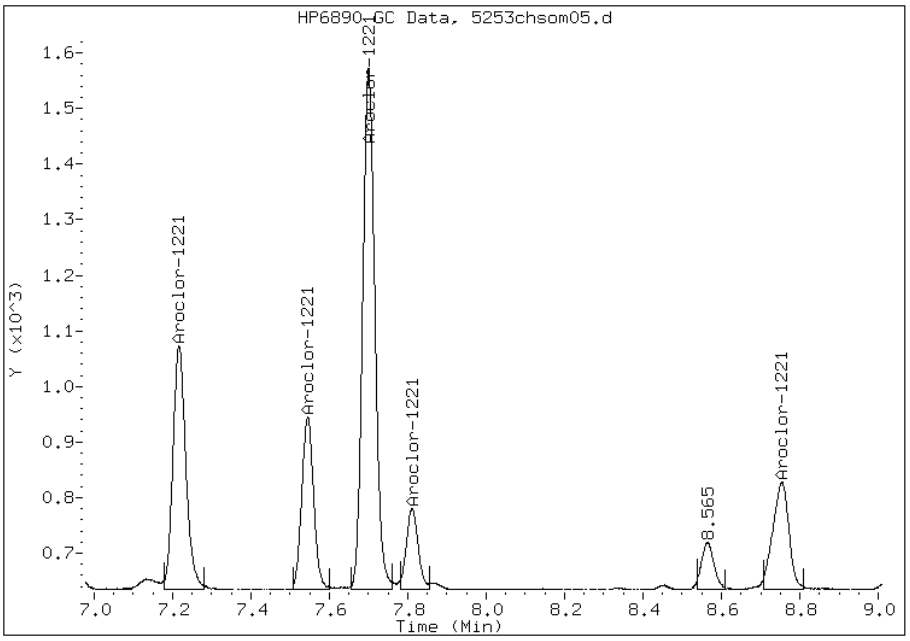
Final Conc		0.20



Manual Integration Results

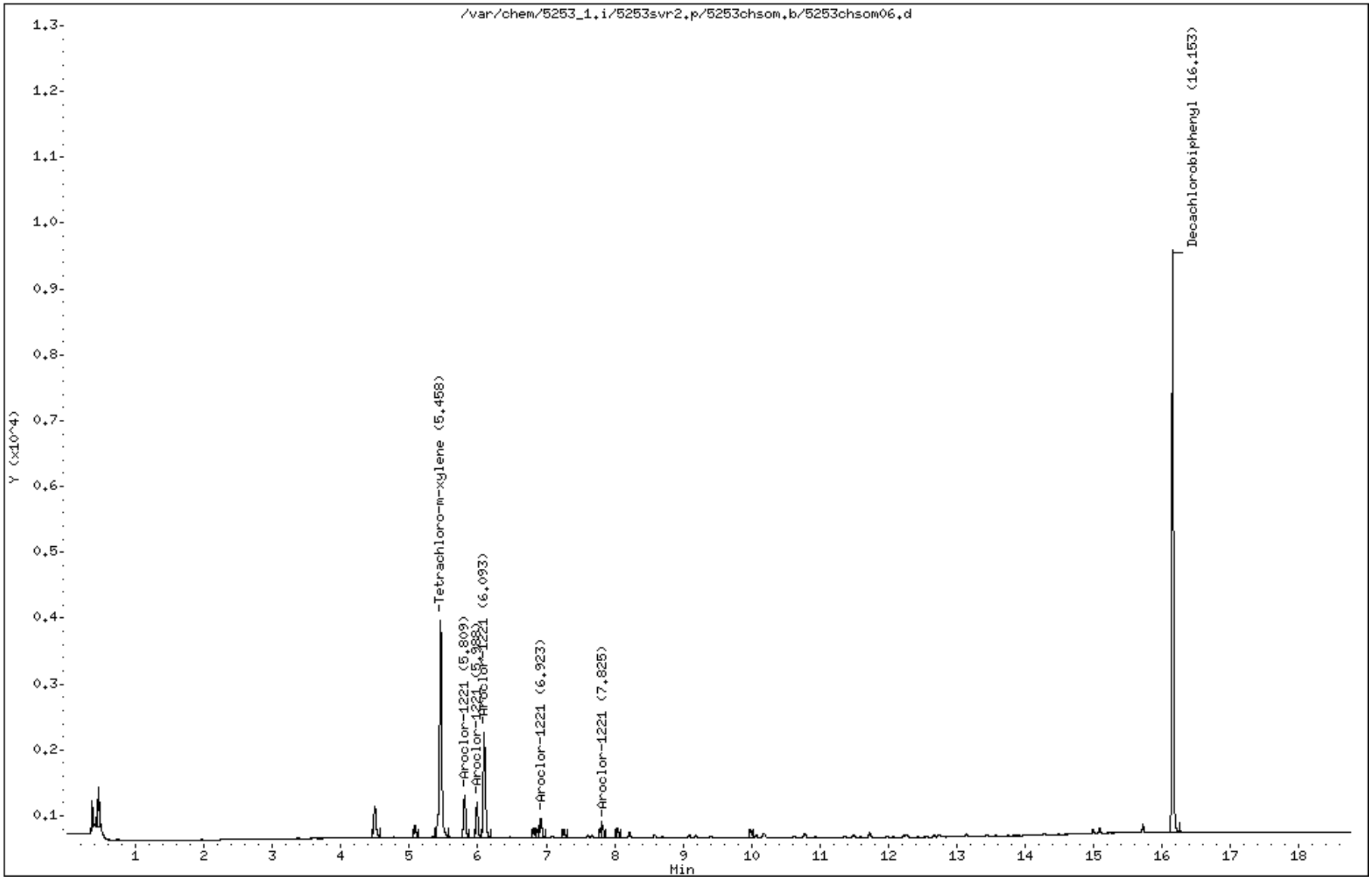
RT	Response	Conc
7.22	439*	0.21
7.54	311*	0.21
7.70	937*	0.20
7.81	145*	0.21
8.75	192*	0.21

Final Conc		0.21

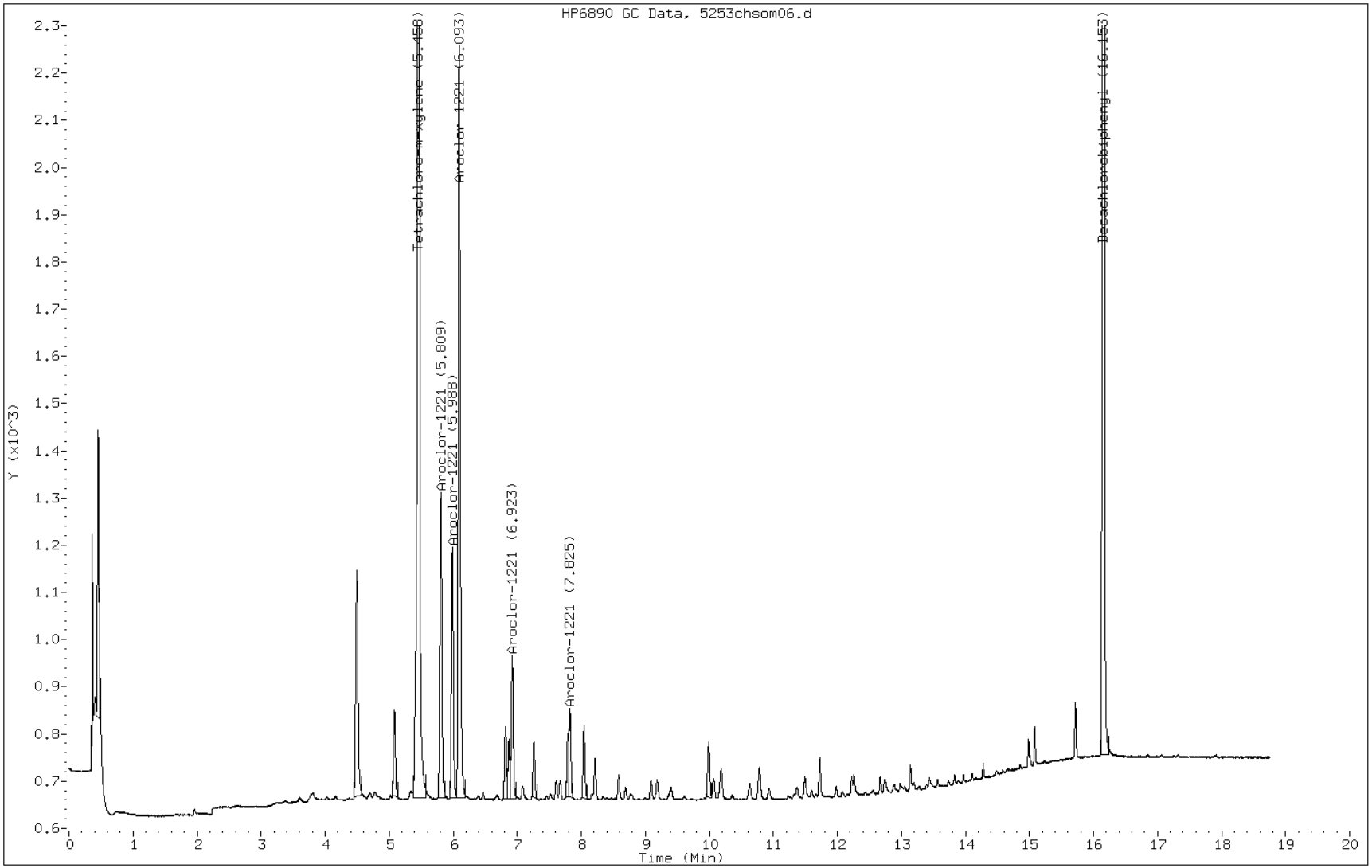


File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom06.d
Date : 13-AUG-2013 16:01
Client ID: AR12213S1
Instrument: 5253_1.i
Sample Info: IC-492117,1,AR12213S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File:	5253chsom06.d	Date:	13-AUG-2013 16:01
Client ID:	AR12213S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-492117,1,AR12213S1		



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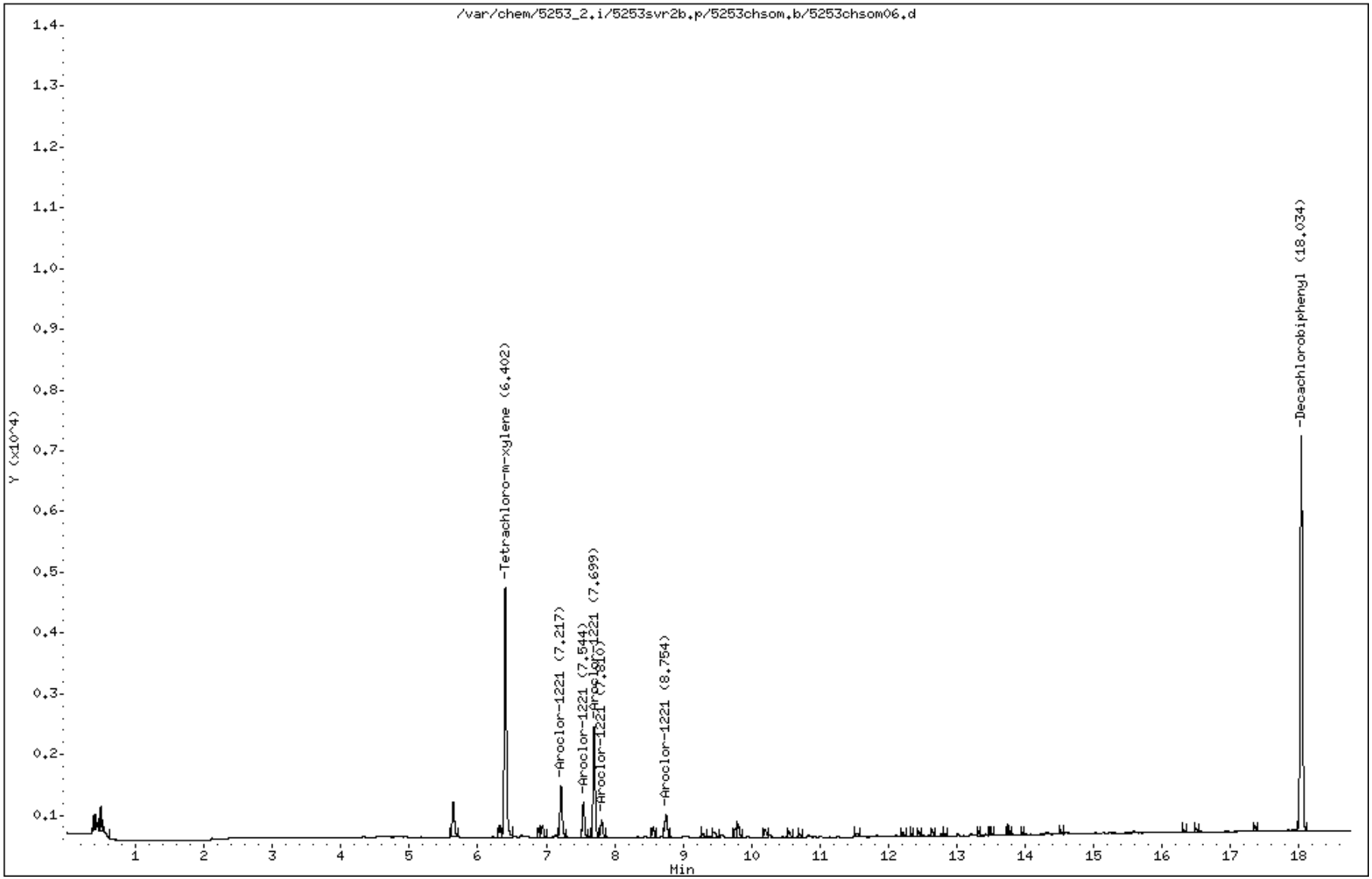
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom06.d
Lab Smp Id: IC-492117 Client Smp ID: AR12213S1
Inj Date : 13-AUG-2013 16:01
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492117,1,AR12213S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

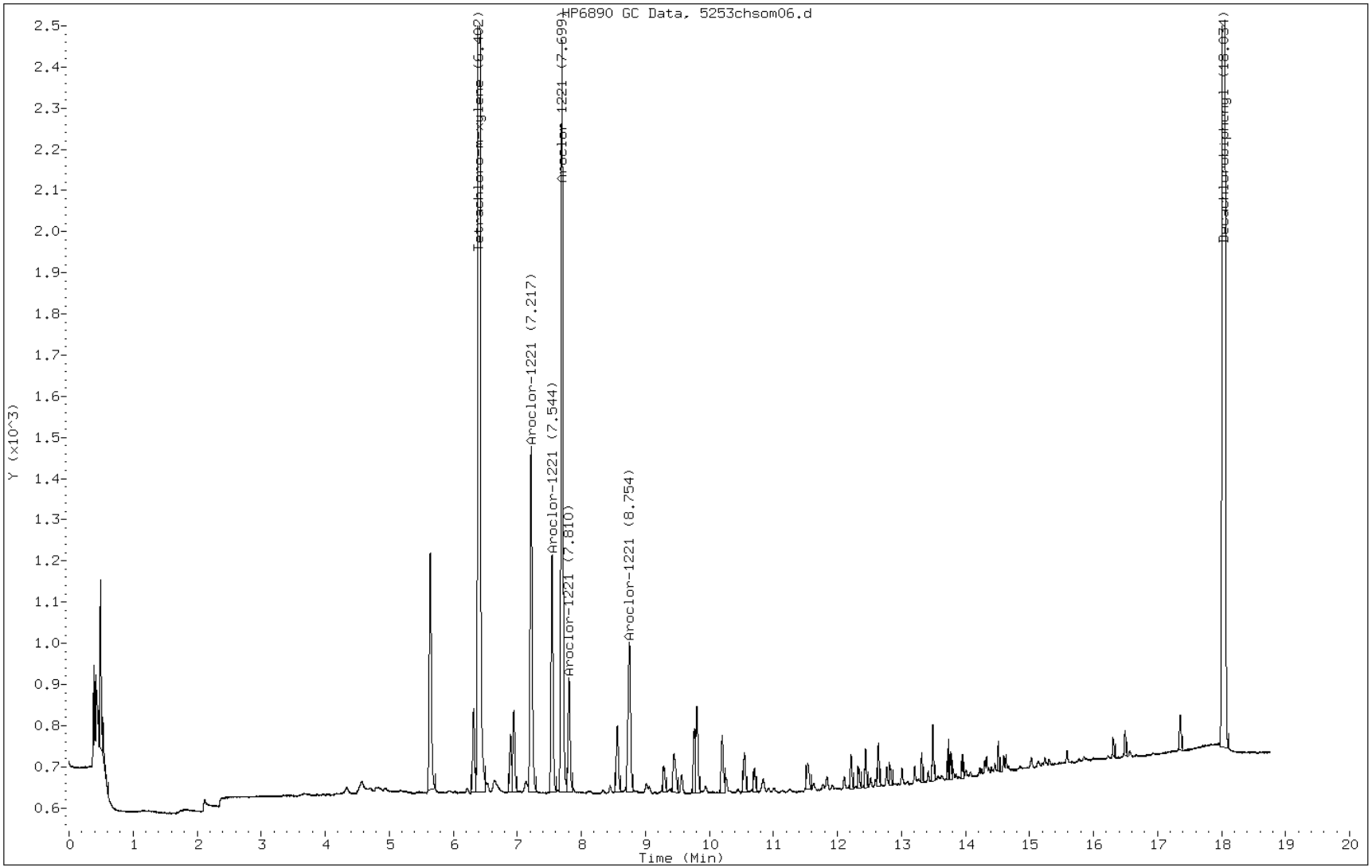
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3296	0.02000	0.01886	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
5.809	5.809	0.000	647	0.40000	0.3846	80.00- 120.00	100.00
5.988	5.989	-0.001	531	0.40000	0.3895	51.55- 91.55	82.07
6.093	6.093	0.000	1595	0.40000	0.3965	202.13- 242.13	246.52
6.923	6.925	-0.002	303	0.40000	0.4065	13.39- 53.39	46.83
7.825	7.827	-0.002	188	0.40000	0.4002	57.79- 97.79	29.06
Average of Peak Amounts =					0.395		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	8838	0.04000	0.03494	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom06.d
Date : 13-AUG-2013 16:01
Client ID: AR12213S1
Instrument: 5253_2.i
Sample Info: IC-492117,1,AR12213S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom06.d
Client ID: AR12213S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492117,1,AR12213S1

Date: 13-AUG-2013 16:01
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom06.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

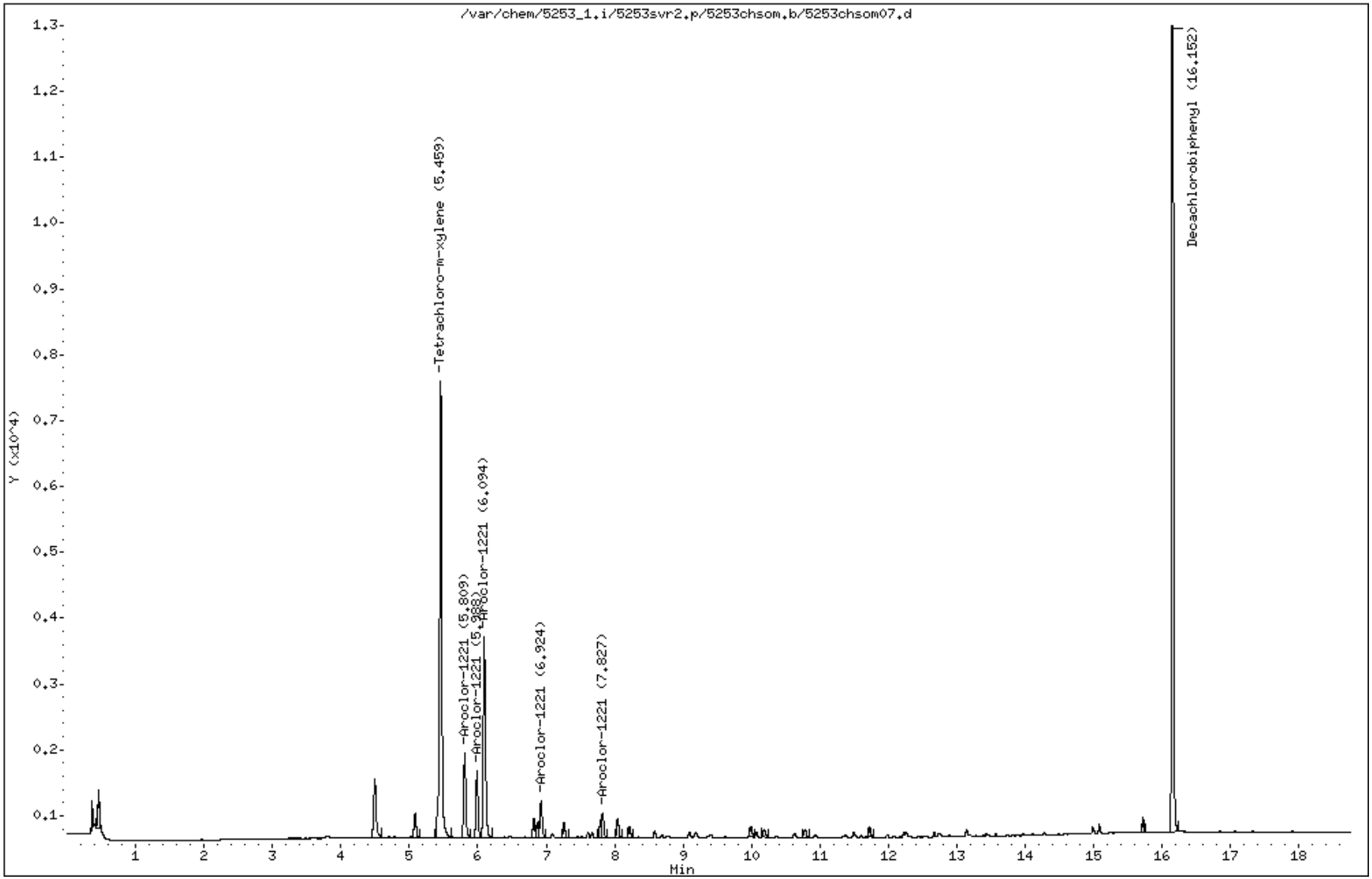
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom06.d
Lab Smp Id: IC-492117 Client Smp ID: AR12213S1
Inj Date : 13-AUG-2013 16:01
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492117,1,AR12213S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	4121	0.02000	0.01907	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
7.217	7.219	-0.002	839	0.40000	0.3926	80.00- 120.00	100.00
7.544	7.544	0.000	575	0.40000	0.3905	51.55- 91.55	68.53
7.699	7.700	-0.001	1825	0.40000	0.3940	202.13- 242.13	217.52
7.810	7.810	0.000	277	0.40000	0.4074	13.39- 53.39	33.02
8.754	8.752	0.002	364	0.40000	0.4007	57.79- 97.79	43.38
Average of Peak Amounts =					0.397		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	6507	0.04000	0.03601	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom07.d
Date : 13-AUG-2013 16:25
Client ID: AR1221481
Instrument: 5253_1.i
Sample Info: IC-492116,1,AR1221481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

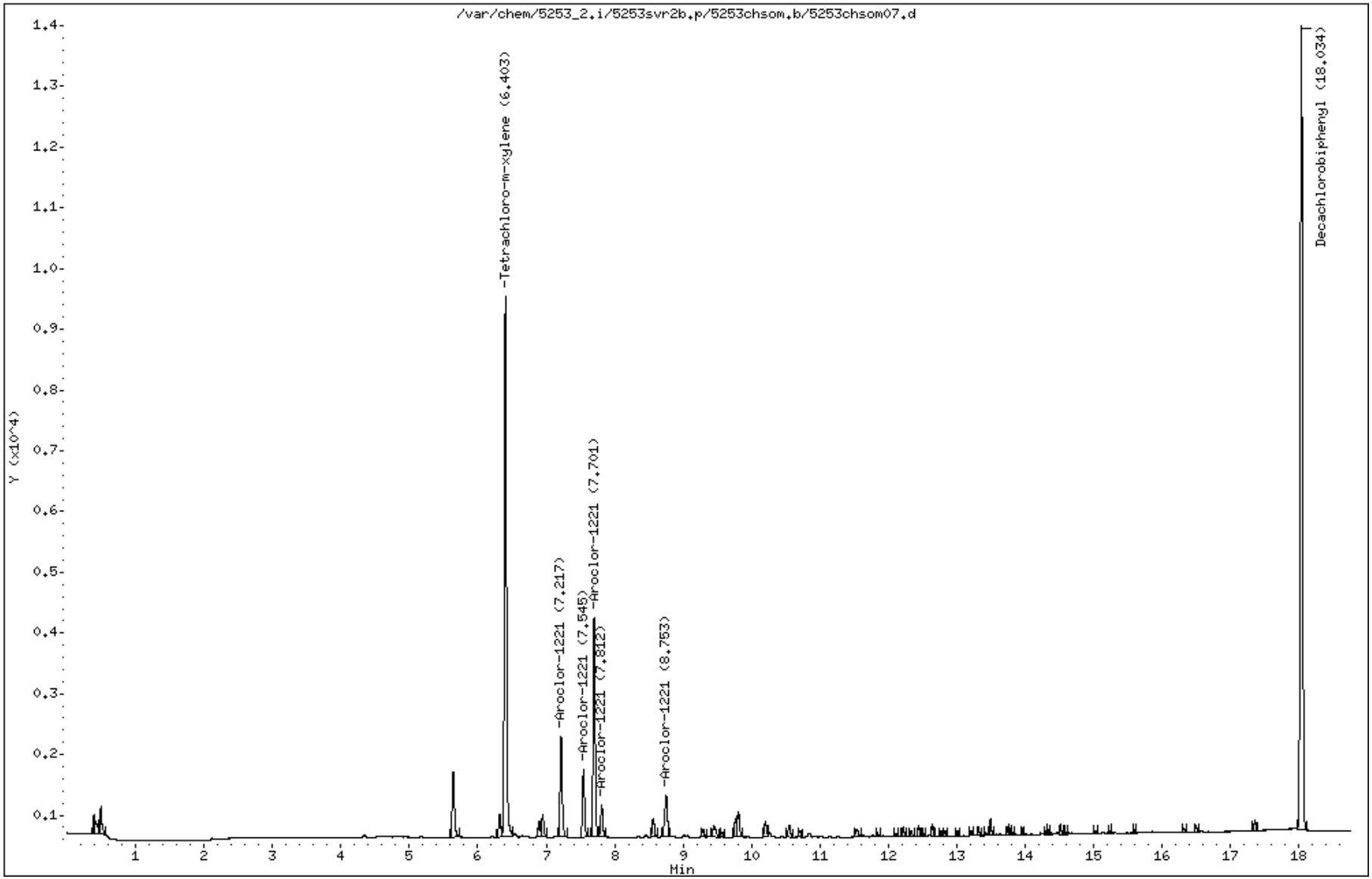
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom07.d
Lab Smp Id: IC-492116 Client Smp ID: AR12214S1
Inj Date : 13-AUG-2013 16:25
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492116,1,AR12214S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.459	5.458	0.001	6925	0.04000	0.03963	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
5.809	5.809	0.000	1275	0.80000	0.7579	80.00- 120.00	100.00
5.988	5.989	-0.001	1013	0.80000	0.7431	51.55- 91.55	79.45
6.094	6.093	0.001	3041	0.80000	0.7559	202.13- 242.13	238.51
6.924	6.925	-0.001	553	0.80000	0.7419	13.39- 53.39	43.37
7.827	7.827	0.000	362	0.80000	0.7706	57.79- 97.79	28.39
Average of Peak Amounts =					0.754		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	19008	0.08000	0.07514	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom07.d
Date : 13-AUG-2013 16:25
Client ID: AR1221481
Instrument: 5253_2.i
Sample Info: IC-492116,1,AR1221481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom07.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

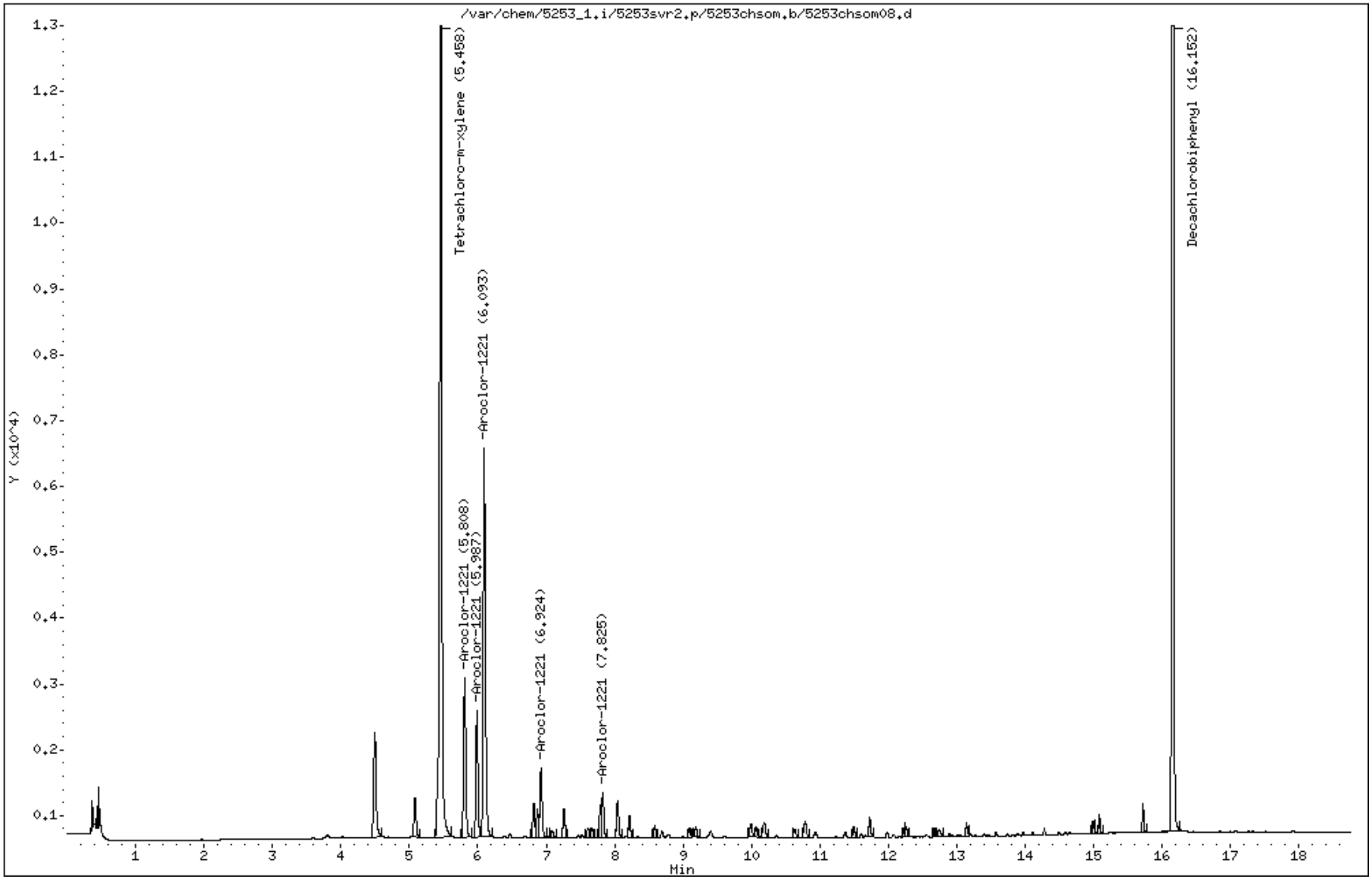
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom07.d
Lab Smp Id: IC-492116 Client Smp ID: AR12214S1
Inj Date : 13-AUG-2013 16:25
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492116,1,AR12214S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	8895	0.04000	0.04117	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
7.217	7.219	-0.002	1646	0.80000	0.7701	80.00- 120.00	100.00
7.545	7.544	0.001	1116	0.80000	0.7579	51.55- 91.55	67.80
7.701	7.700	0.001	3609	0.80000	0.7791	202.13- 242.13	219.26
7.812	7.810	0.002	521	0.80000	0.7663	13.39- 53.39	31.65
8.753	8.752	0.001	676	0.80000	0.7441	57.79- 97.79	41.07
Average of Peak Amounts =					0.764		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	14013	0.08000	0.07755	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom08.d
Date : 13-AUG-2013 16:50
Client ID: AR12215S1
Instrument: 5253_1.i
Sample Info: IC-491879,1,AR12215S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

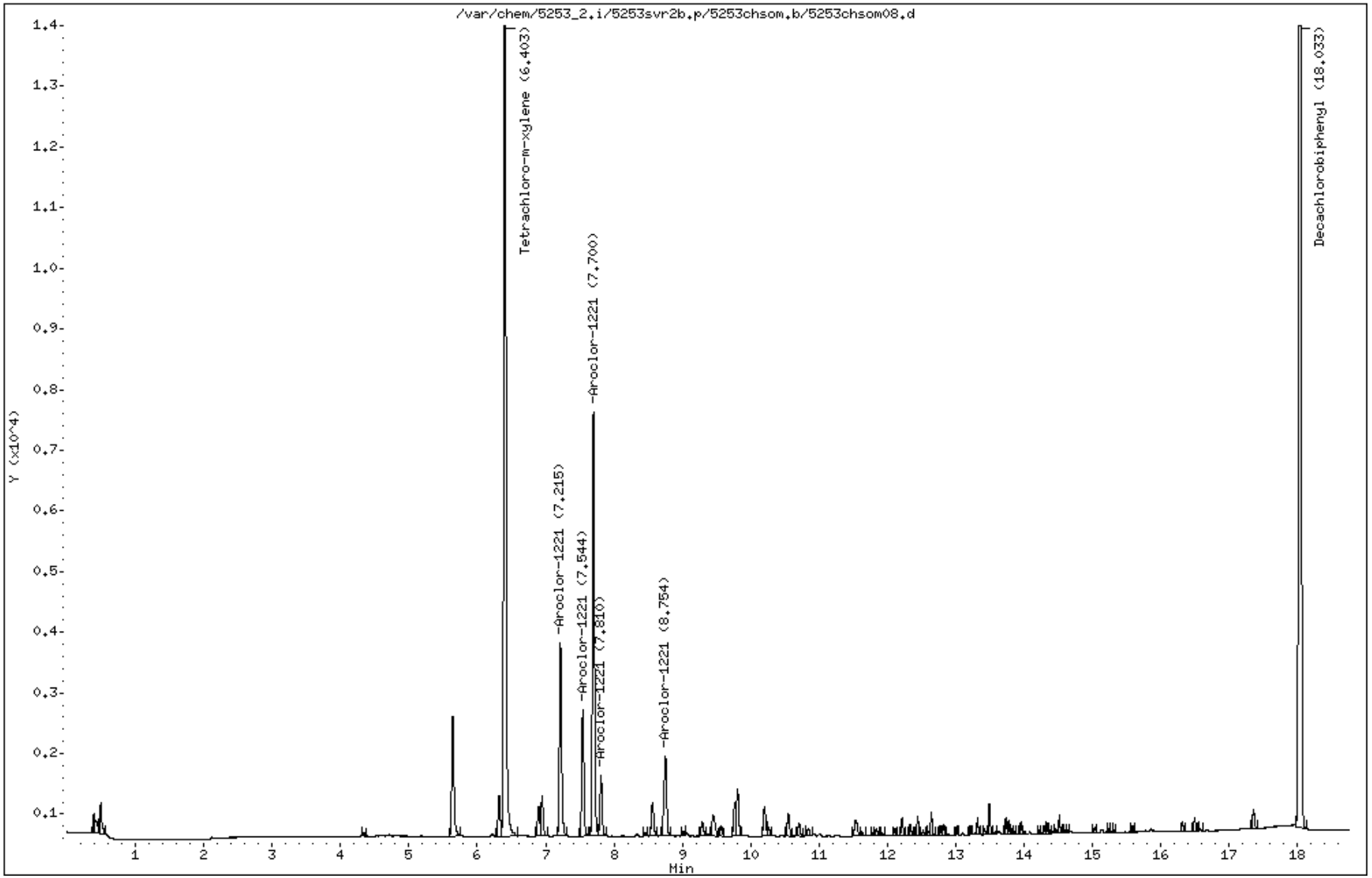
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom08.d
Lab Smp Id: IC-491879 Client Smp ID: AR12215S1
Inj Date : 13-AUG-2013 16:50
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491879,1,AR12215S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	14448	0.08000	0.08269	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
5.808	5.809	-0.001	2432	1.60000	1.446	80.00- 120.00	100.00
5.987	5.989	-0.002	1923	1.60000	1.411	51.55- 91.55	79.07
6.093	6.093	0.000	5899	1.60000	1.466	202.13- 242.13	242.56
6.924	6.925	-0.001	1045	1.60000	1.402	13.39- 53.39	42.97
7.825	7.827	-0.002	674	1.60000	1.435	57.79- 97.79	27.71
Average of Peak Amounts =					1.43		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	38525	0.16000	0.1523	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom08.d
Date : 13-AUG-2013 16:50
Client ID: AR12215S1
Instrument: 5253_2.i
Sample Info: IC-491879,1,AR12215S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom08.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

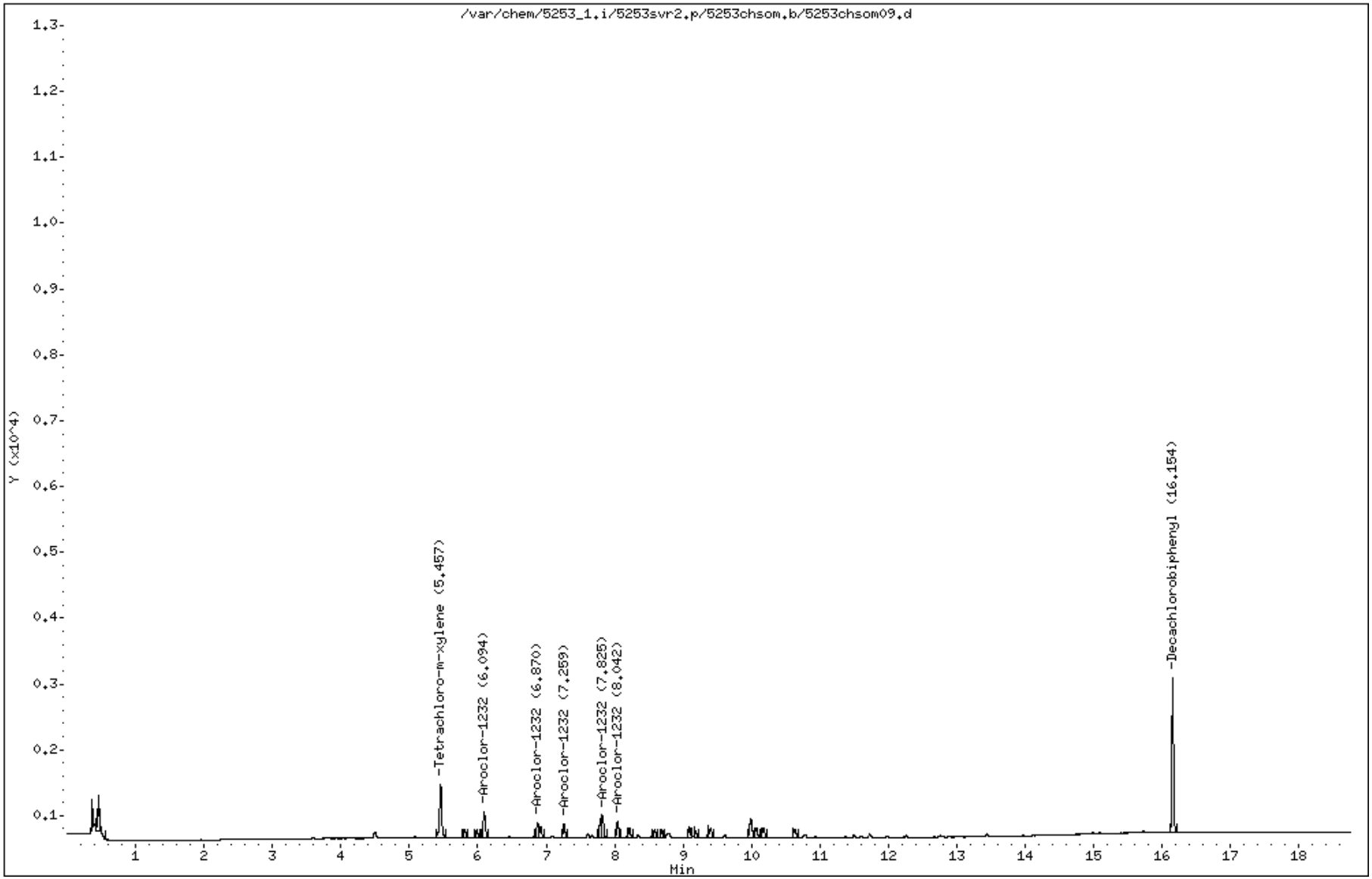
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom08.d
Lab Smp Id: IC-491879 Client Smp ID: AR12215S1
Inj Date : 13-AUG-2013 16:50
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491879,1,AR12215S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

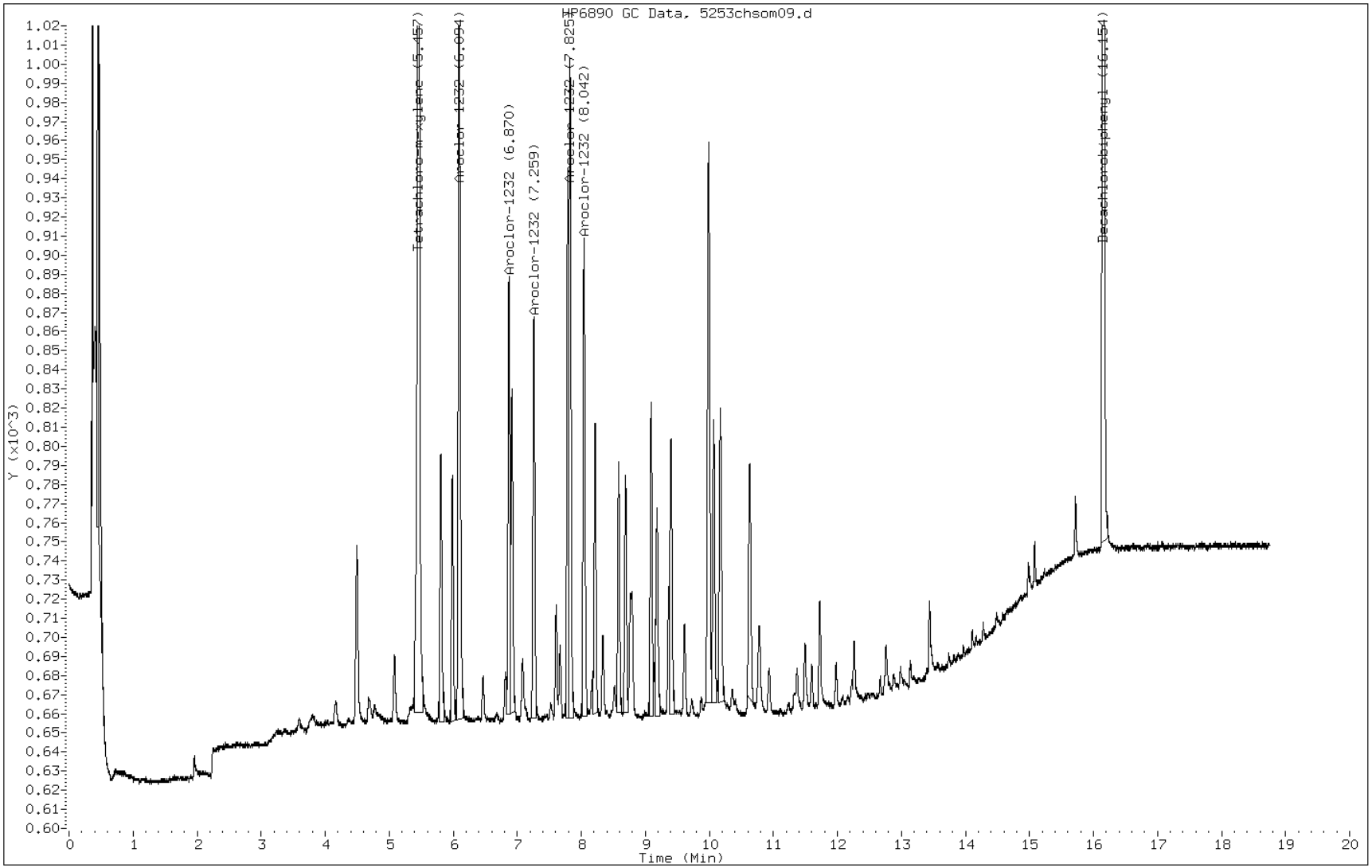
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	18831	0.08000	0.08716	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
7.215	7.219	-0.004	3178	1.60000	1.487	80.00- 120.00	100.00
7.544	7.544	0.000	2088	1.60000	1.418	51.55- 91.55	65.70
7.700	7.700	0.000	6981	1.60000	1.507	202.13- 242.13	219.67
7.810	7.810	0.000	993	1.60000	1.461	13.39- 53.39	31.25
8.754	8.752	0.002	1308	1.60000	1.440	57.79- 97.79	41.16
Average of Peak Amounts =					1.46		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	27972	0.16000	0.1548	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom09.d
Date : 13-AUG-2013 17:15
Client ID: AR12321S1
Instrument: 5253_1.i
Sample Info: IC-492113,1,AR12321S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom09.d
Client ID: AR12321S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492113,1,AR12321S1

Date: 13-AUG-2013 17:15
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom09.d
Lab Smp Id: IC-492113 Client Smp ID: AR12321S1
Inj Date : 13-AUG-2013 17:15
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492113,1,AR12321S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	815	0.00500	0.004664	80.00- 120.00	100.00(M)
4 Aroclor-1232					CAS #: 11141-16-5		
6.093	6.091	0.002	401	0.10000	0.1132	80.00- 120.00	100.00(M)
6.870	6.870	0.000	229	0.10000	0.1158	145.73- 185.73	57.11
7.259	7.260	-0.001	210	0.10000	0.1150	107.60- 147.60	52.37
7.824	7.823	0.001	345	0.10000	0.1067	82.96- 122.96	86.03
8.041	8.041	0.000	250	0.10000	0.1132	28.56- 68.56	62.34
Average of Peak Amounts =					0.113		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.154	16.151	0.003	2354	0.01000	0.009306	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

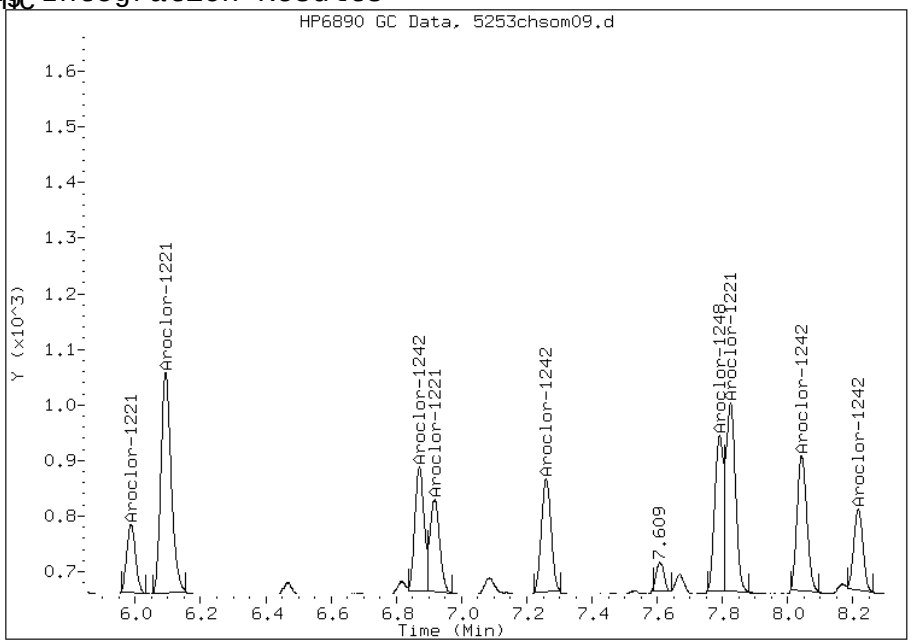
Manual Integration Report

Data File: 5253chsom09.d
Lab Sample ID: IC-492113
Inj. Date and Time: 13-AUG-2013 17:15
Instrument ID: 5253_1.i
Client ID: AR12321S1
Compound: 4 Aroclor-1232
CAS #: 11141-16-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.09	397*	0.11
6.87	223*	0.11
7.26	204*	0.11
7.83	339*	0.10
8.04	244*	0.11

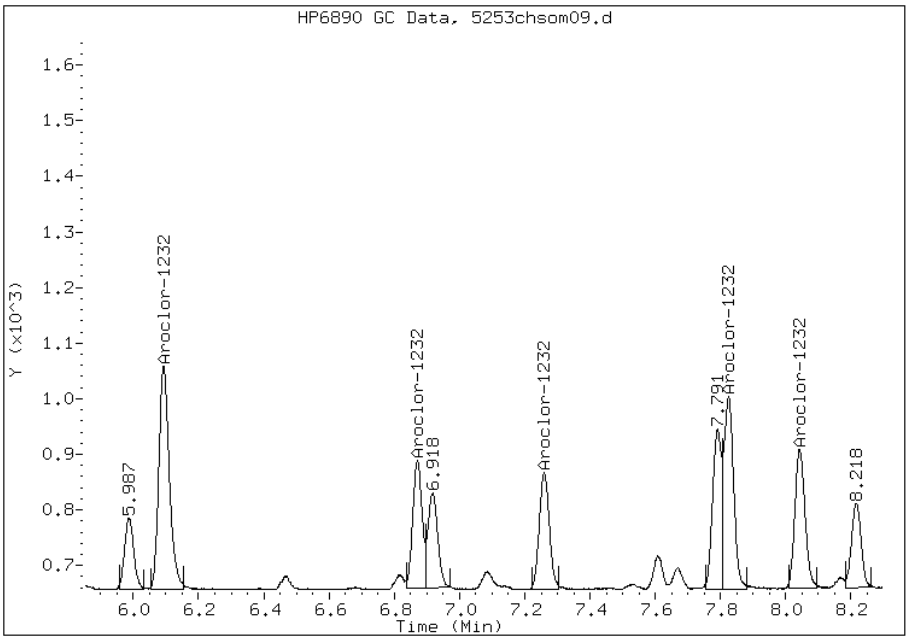
Final Conc		0.11



Manual Integration Results

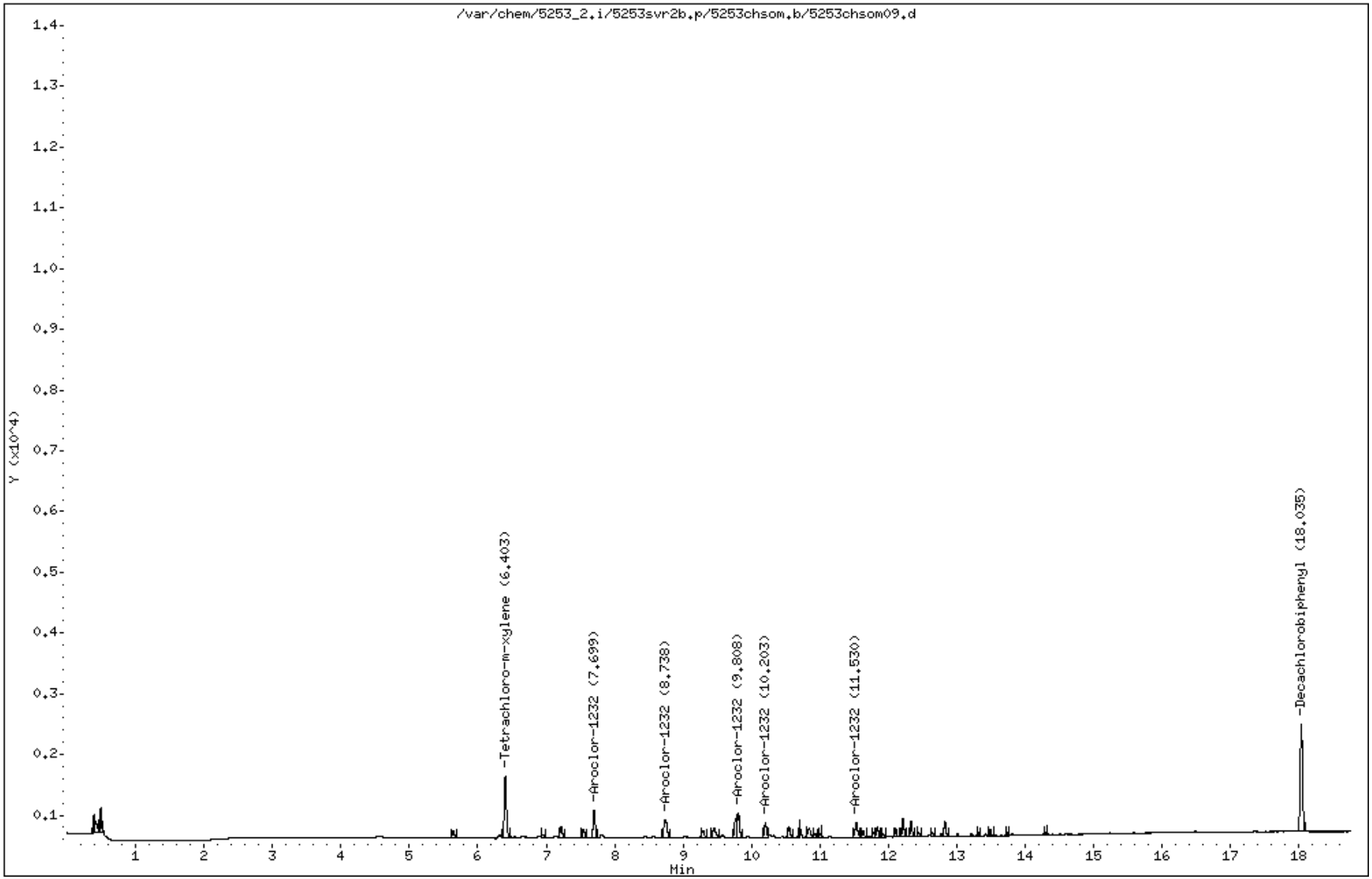
RT	Response	Conc
6.09	401*	0.11
6.87	229*	0.12
7.26	210*	0.11
7.82	345*	0.11
8.04	250*	0.11

Final Conc		0.11



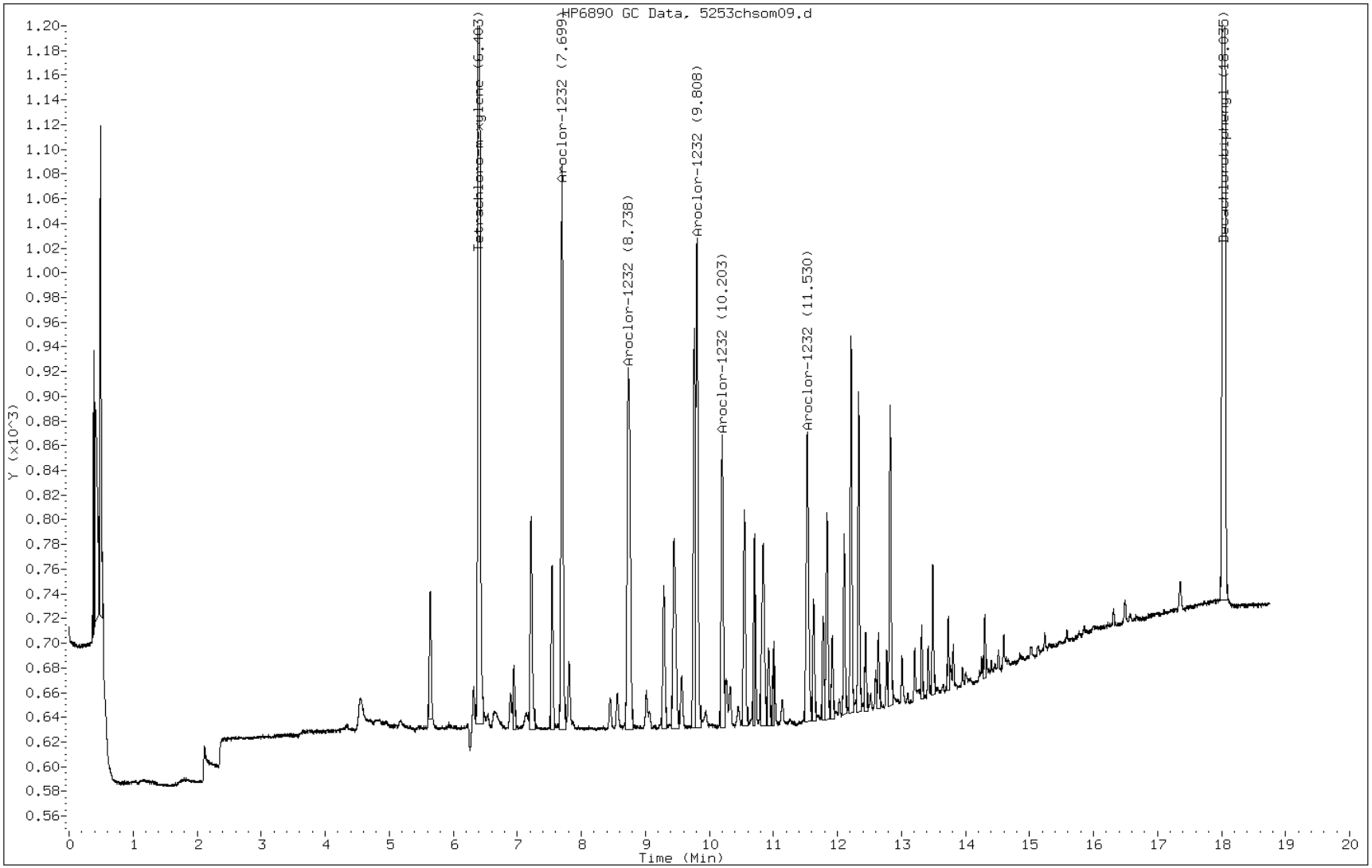
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom09.d
Date : 13-AUG-2013 17:15
Client ID: AR12321S1
Instrument: 5253_2.i
Sample Info: IC-492113,1,AR12321S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom09.d
Client ID: AR12321S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492113,1,AR12321S1

Date: 13-AUG-2013 17:15
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom09.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom09.d
Lab Smp Id: IC-492113 Client Smp ID: AR12321S1
Inj Date : 13-AUG-2013 17:15
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492113,1,AR12321S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	1012	0.00500	0.004684	80.00- 120.00	100.00(M)
4 Aroclor-1232					CAS #: 11141-16-5		
7.699	7.700	-0.001	458	0.10000	0.1119	80.00- 120.00	100.00(M)
8.735	8.735	0.000	293	0.10000	0.1154	145.73- 185.73	63.97
9.807	9.809	-0.002	396	0.10000	0.1050	107.60- 147.60	86.46
10.202	10.200	0.002	237	0.10000	0.1113	82.96- 122.96	51.75
11.530	11.530	0.000	234	0.10000	0.1109	28.56- 68.56	51.09
Average of Peak Amounts =					0.111		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	1758	0.01000	0.009729	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

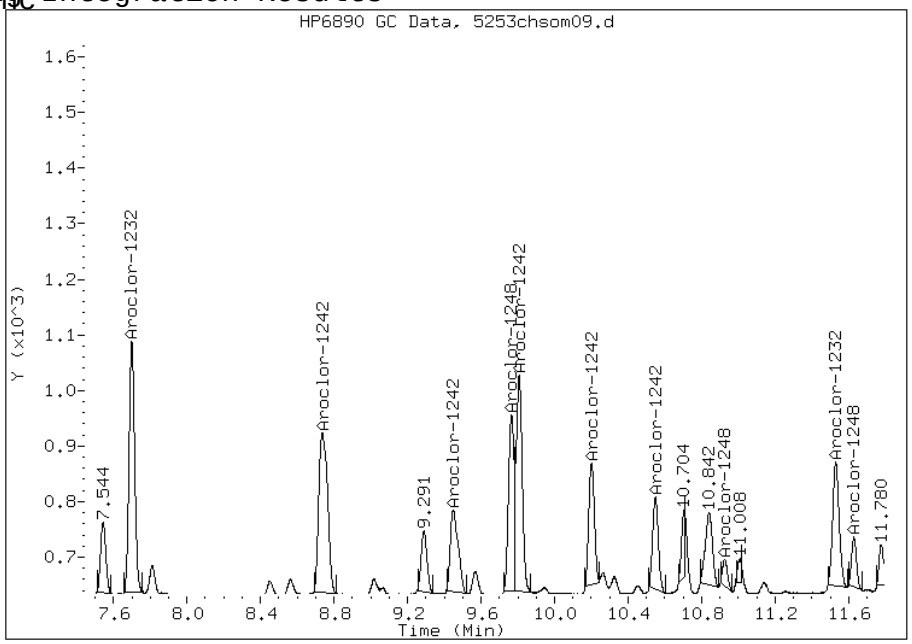
Manual Integration Report

Data File: 5253chsom09.d
Lab Sample ID: IC-492113
Inj. Date and Time: 13-AUG-2013 17:15
Instrument ID: 5253_2.i
Client ID: AR12321S1
Compound: 4 Aroclor-1232
CAS #: 11141-16-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.70	451*	0.11
8.74	287*	0.11
9.81	390*	0.10
10.20	218*	0.10
11.53	224*	0.11

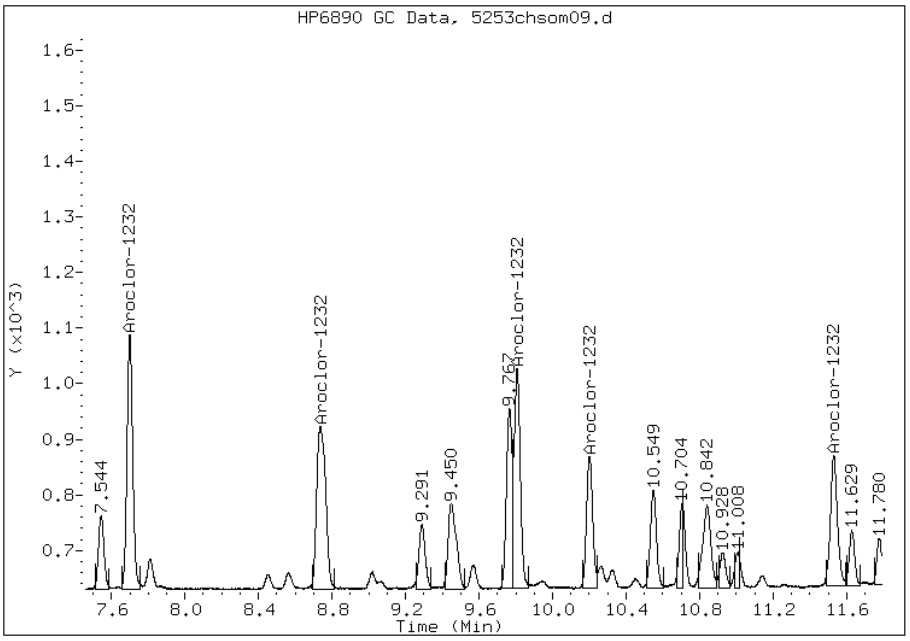
Final Conc		0.11



Manual Integration Results

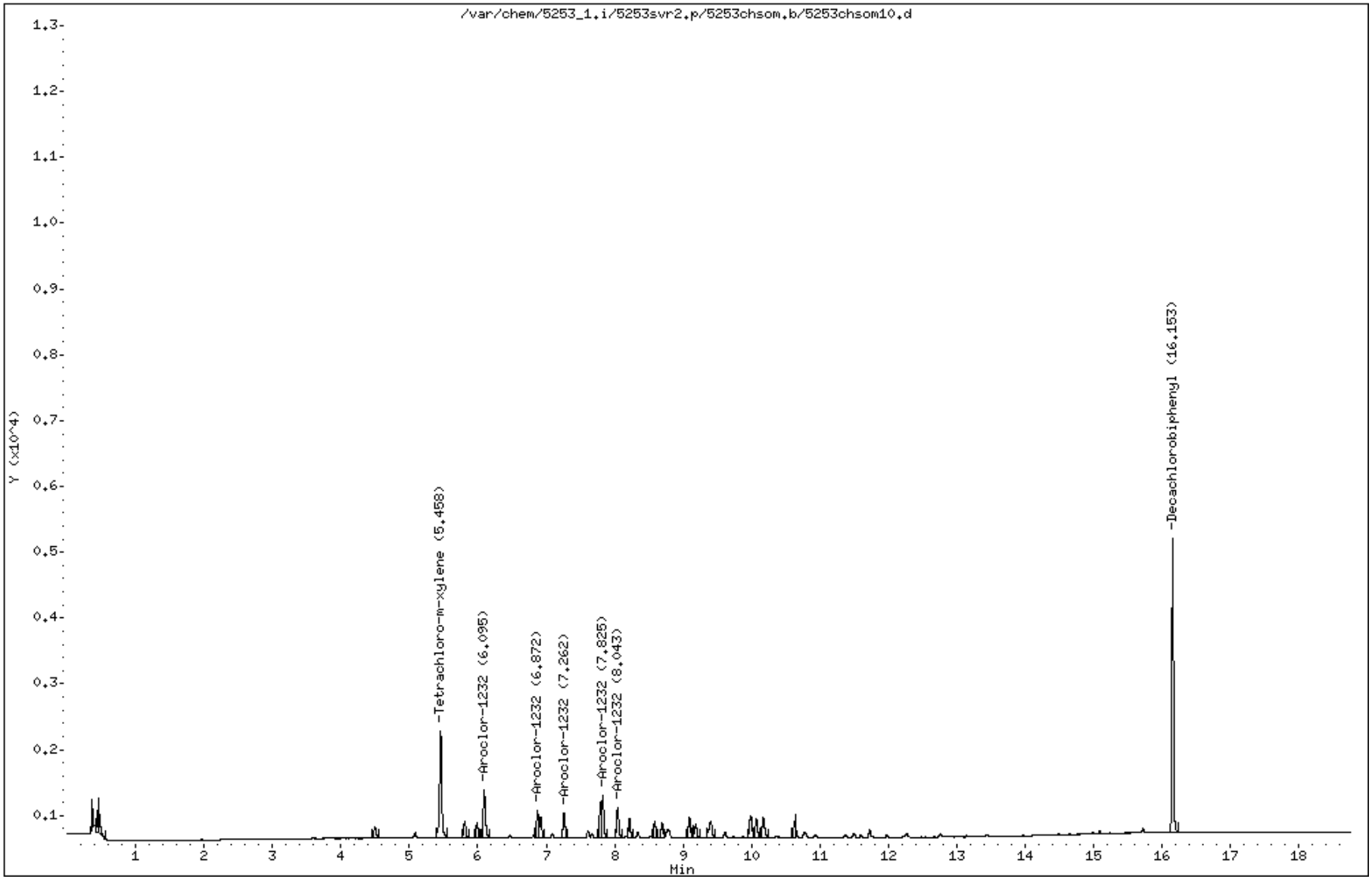
RT	Response	Conc
7.70	458*	0.11
8.74	293*	0.12
9.81	396*	0.11
10.20	237*	0.11
11.53	234*	0.11

Final Conc		0.11



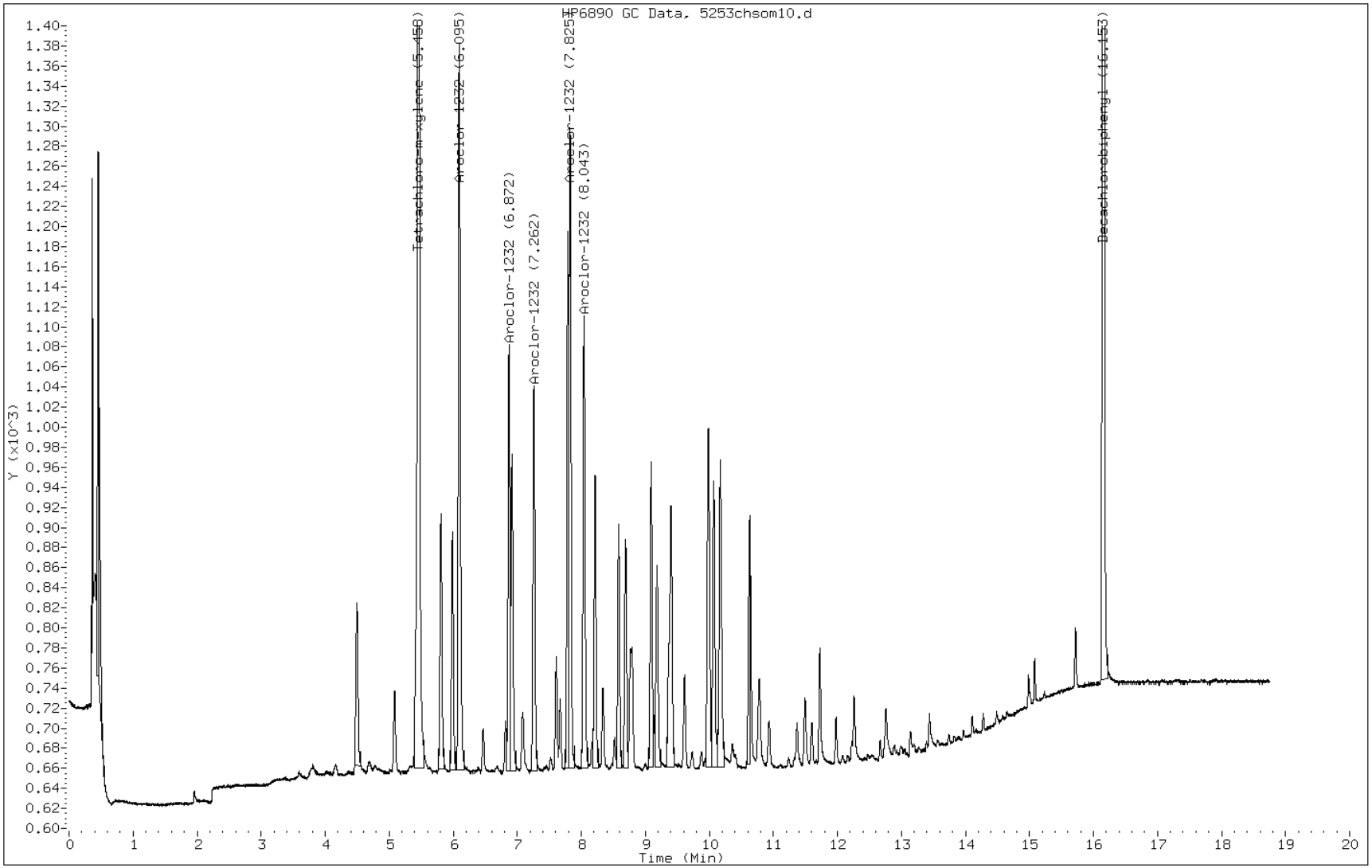
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom10.d
Date : 13-AUG-2013 17:39
Client ID: AR12322S1
Instrument: 5253_1.i
Sample Info: IC-492112,1,AR12322S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom10.d
Client ID: AR12322S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492112,1,AR12322S1

Date: 13-AUG-2013 17:39
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom10.d
Lab Smp Id: IC-492112 Client Smp ID: AR12322S1
Inj Date : 13-AUG-2013 17:39
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492112,1,AR12322S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	1614	0.01000	0.009237	80.00- 120.00	100.00(M)
4 Aroclor-1232					CAS #: 11141-16-5		
6.094	6.091	0.003	725	0.20000	0.2047	80.00- 120.00	100.00(M)
6.871	6.870	0.001	425	0.20000	0.2149	145.73- 185.73	58.62
7.261	7.260	0.001	384	0.20000	0.2102	107.60- 147.60	52.97
7.825	7.823	0.002	639	0.20000	0.1976	82.96- 122.96	88.14
8.043	8.041	0.002	451	0.20000	0.2042	28.56- 68.56	62.21
Average of Peak Amounts =					0.206		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	4462	0.02000	0.01764	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

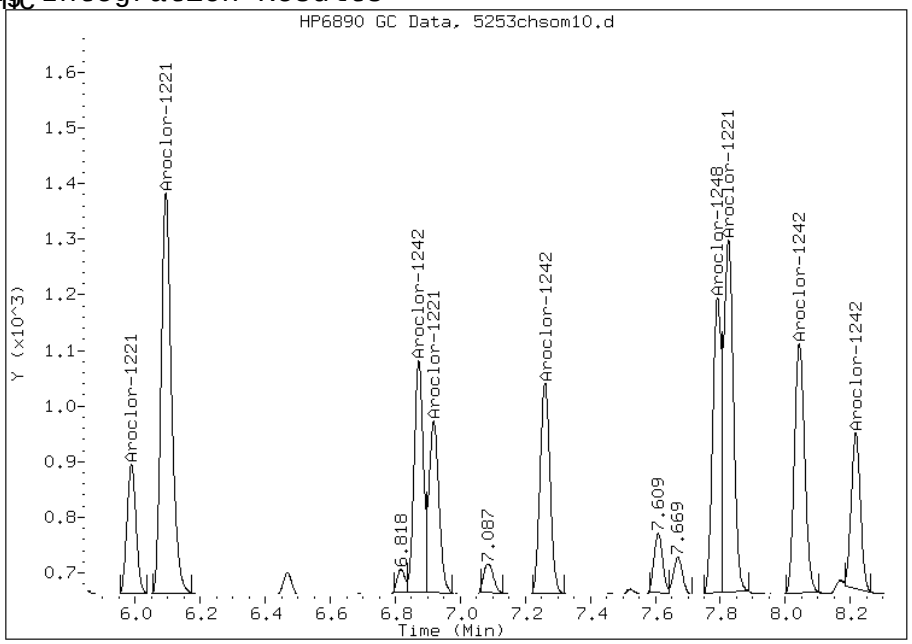
Manual Integration Report

Data File: 5253chsom10.d
Lab Sample ID: IC-492112
Inj. Date and Time: 13-AUG-2013 17:39
Instrument ID: 5253_1.i
Client ID: AR12322S1
Compound: 4 Aroclor-1232
CAS #: 11141-16-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.09	720*	0.20
6.87	417*	0.21
7.26	378*	0.21
7.83	634*	0.20
8.04	447*	0.20

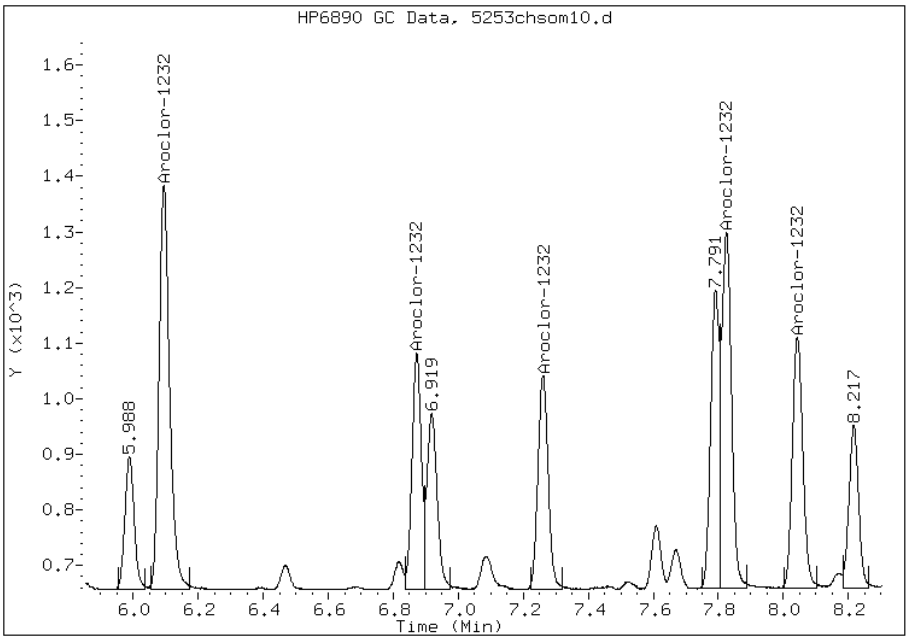
Final Conc		0.20



Manual Integration Results

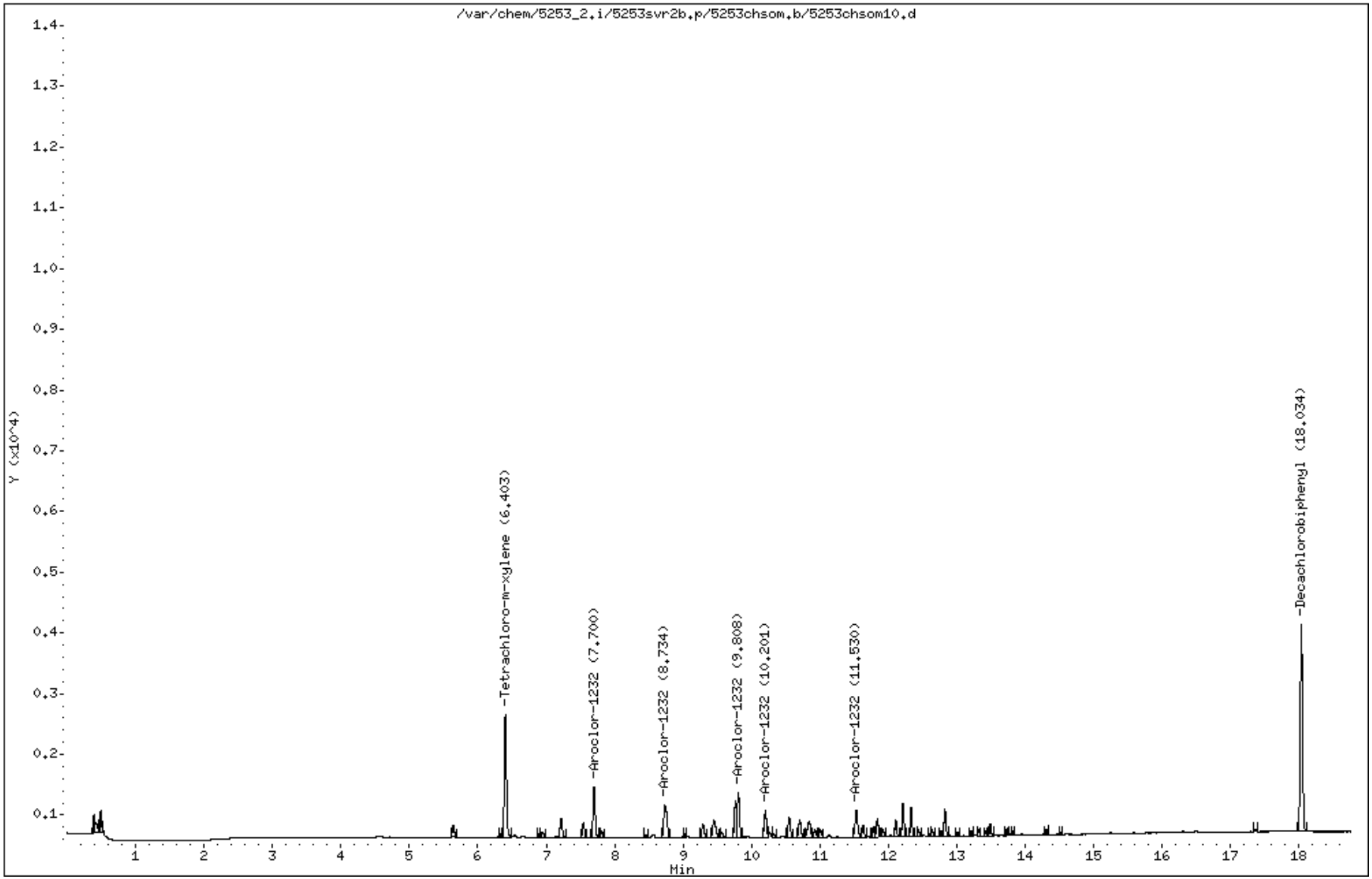
RT	Response	Conc
6.09	725*	0.20
6.87	425*	0.21
7.26	384*	0.21
7.82	639*	0.20
8.04	451*	0.20

Final Conc		0.21



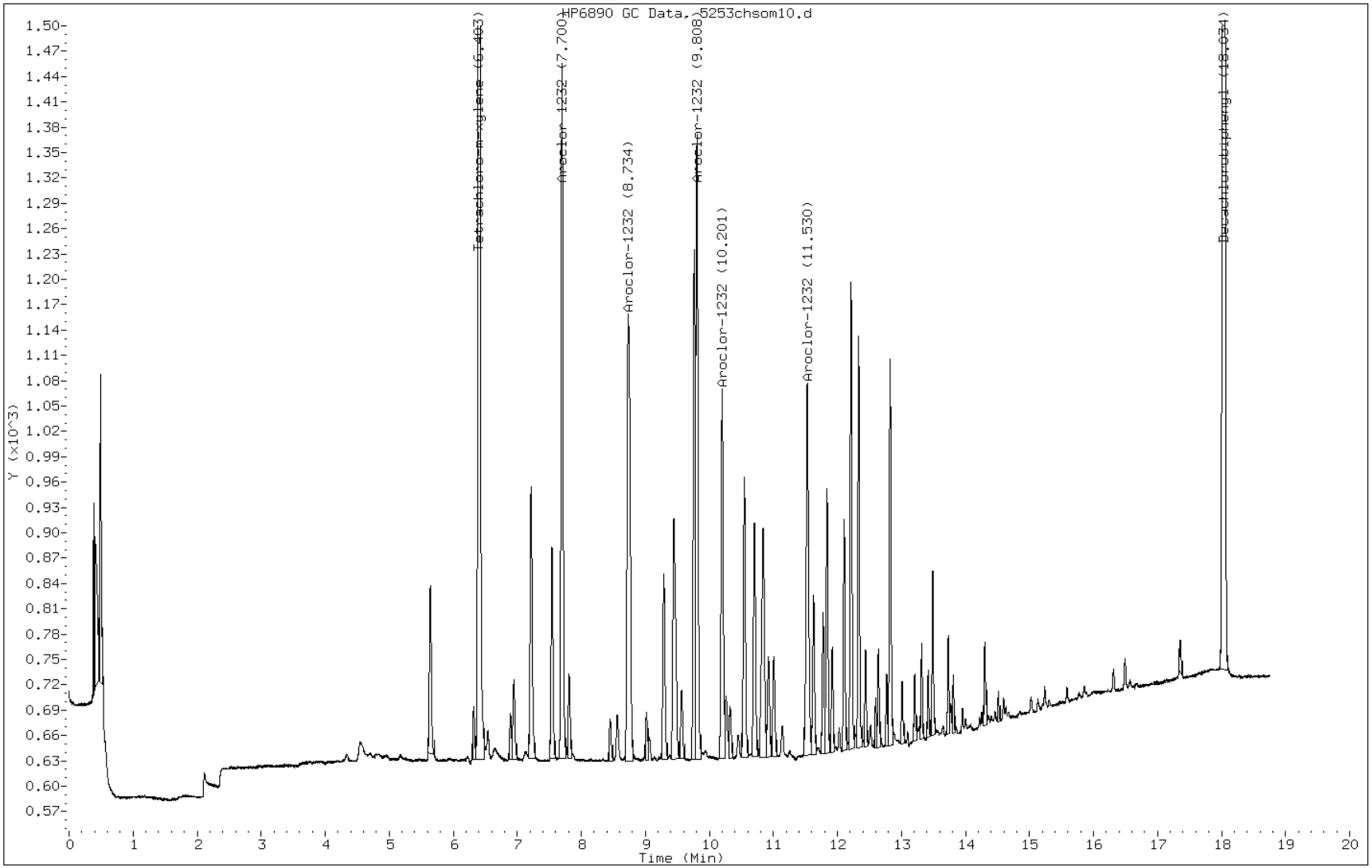
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom10.d
Date : 13-AUG-2013 17:39
Client ID: AR12322S1
Instrument: 5253_2.i
Sample Info: IC-492112,1,AR12322S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom10.d
Client ID: AR12322S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492112,1,AR12322S1

Date: 13-AUG-2013 17:39
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom10.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom10.d
Lab Smp Id: IC-492112 Client Smp ID: AR12322S1
Inj Date : 13-AUG-2013 17:39
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492112,1,AR12322S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	2028	0.01000	0.009387	80.00- 120.00	100.00(M)
4 Aroclor-1232					CAS #: 11141-16-5		
7.700	7.700	0.000	823	0.20000	0.2010	80.00- 120.00	100.00(M)
8.733	8.735	-0.002	529	0.20000	0.2083	145.73- 185.73	64.28
9.808	9.809	-0.001	740	0.20000	0.1962	107.60- 147.60	89.91
10.201	10.200	0.001	437	0.20000	0.2051	82.96- 122.96	53.10
11.530	11.530	0.000	440	0.20000	0.2084	28.56- 68.56	53.46
Average of Peak Amounts =					0.204		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	3399	0.02000	0.01881	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

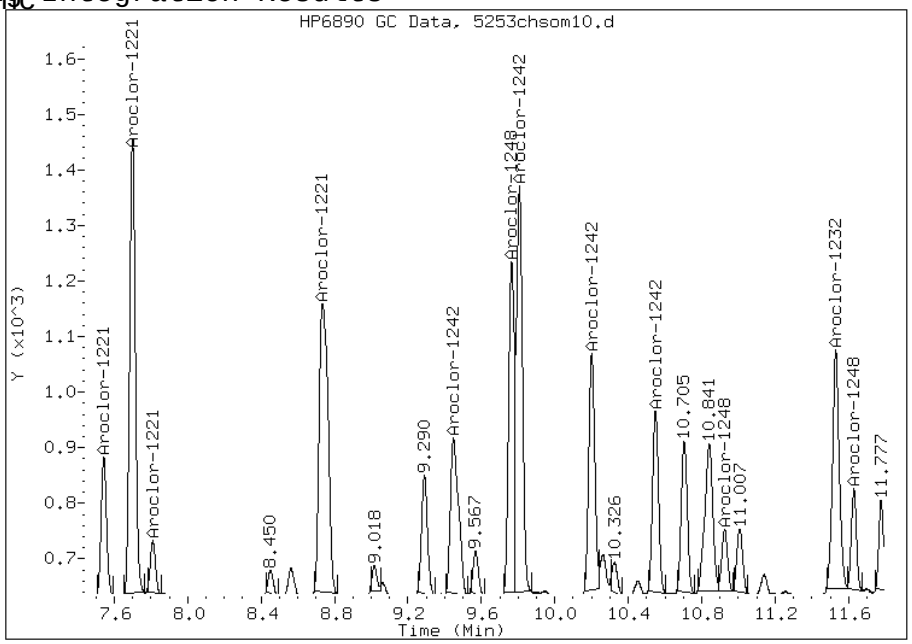
Manual Integration Report

Data File: 5253chsom10.d
Lab Sample ID: IC-492112
Inj. Date and Time: 13-AUG-2013 17:39
Instrument ID: 5253_2.i
Client ID: AR12322S1
Compound: 4 Aroclor-1232
CAS #: 11141-16-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.70	818*	0.20
8.73	519*	0.20
9.81	731*	0.19
10.20	427*	0.20
11.53	430*	0.20

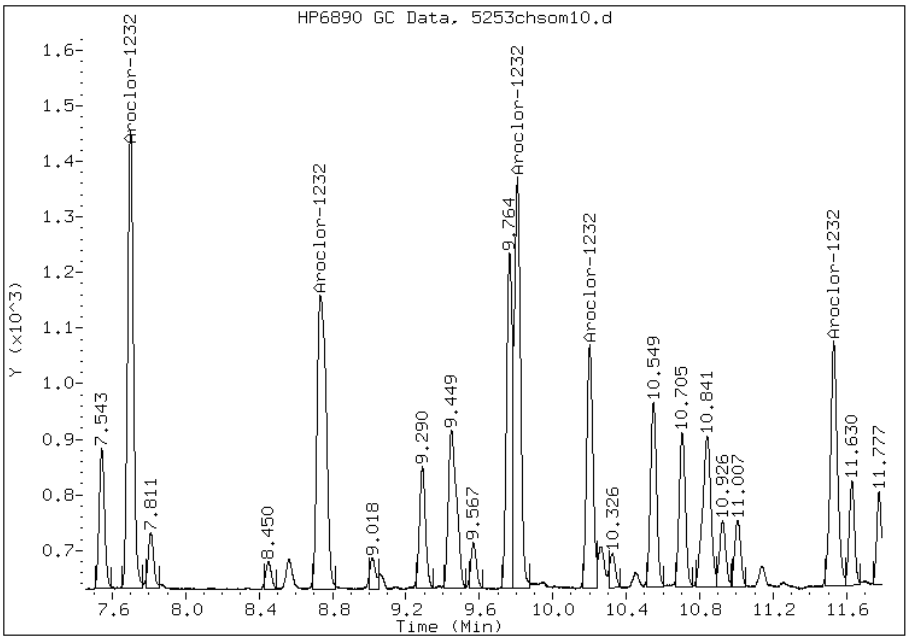
Final Conc		0.20



Manual Integration Results

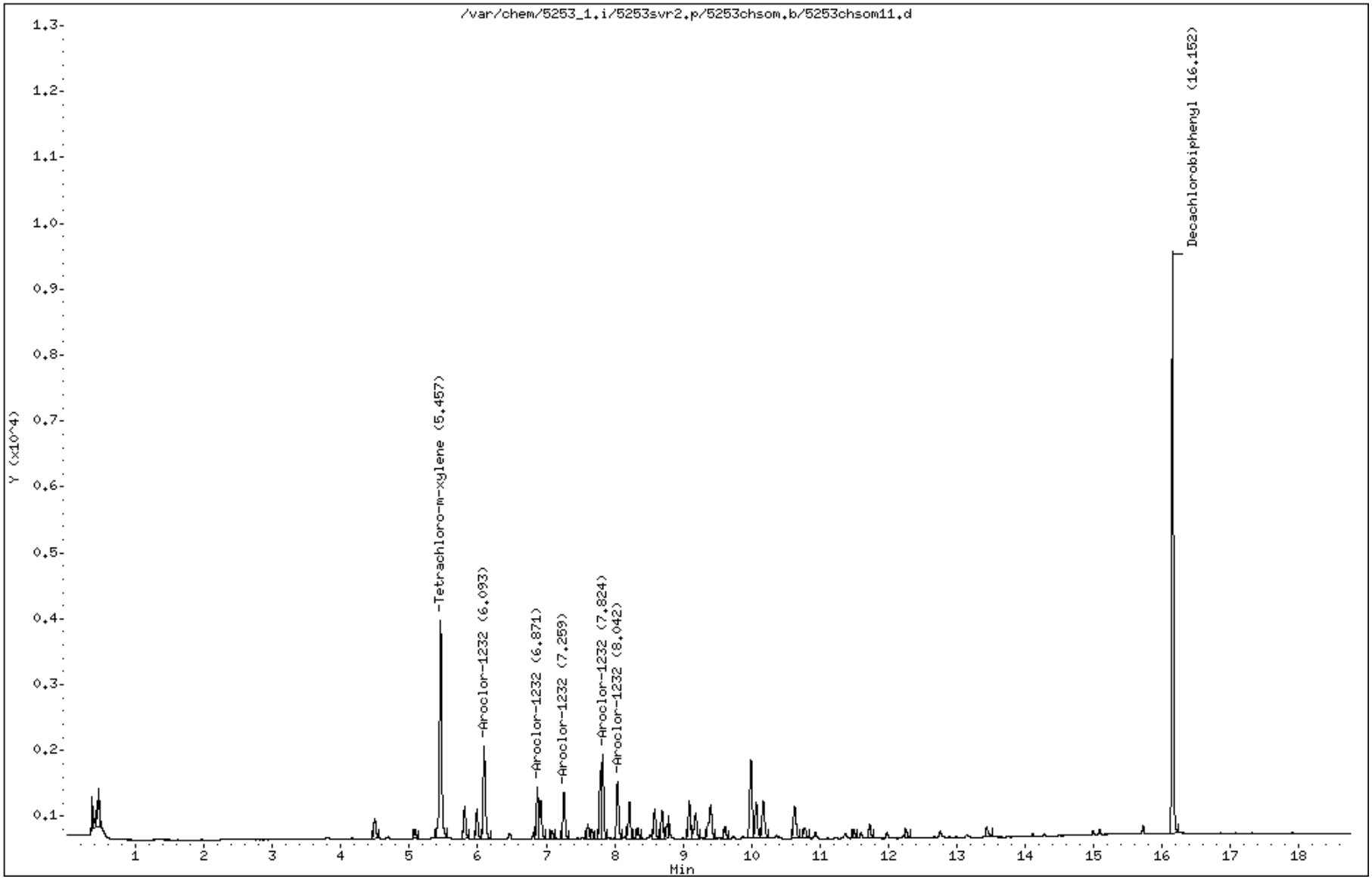
RT	Response	Conc
7.70	823*	0.20
8.73	529*	0.21
9.81	740*	0.20
10.20	437*	0.21
11.53	440*	0.21

Final Conc		0.20



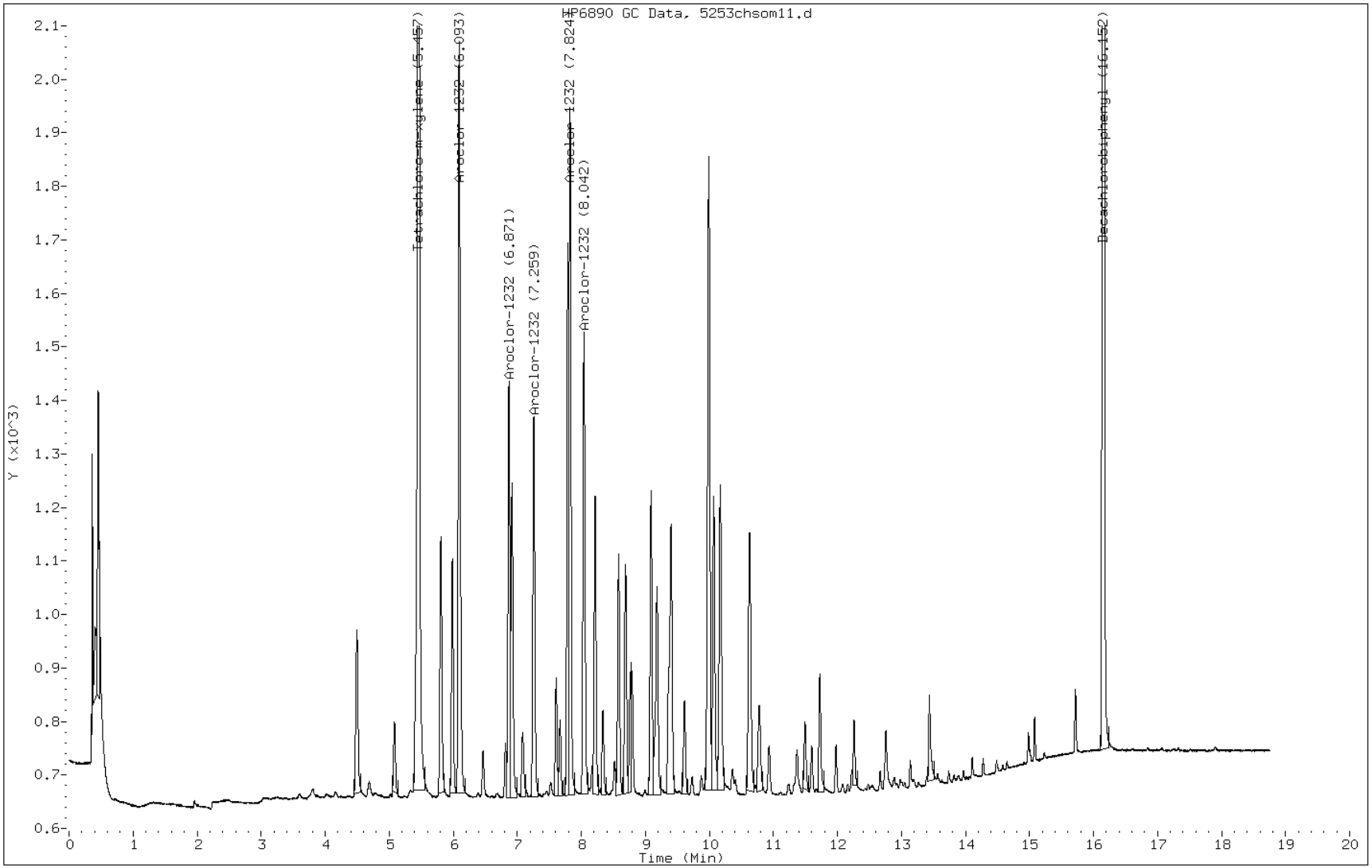
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom11.d
Date : 13-AUG-2013 18:04
Client ID: AR12323S1
Instrument: 5253_1.i
Sample Info: IC-492110,1,AR12323S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom11.d
Client ID: AR12323S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492110,1,AR12323S1

Date: 13-AUG-2013 18:04
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

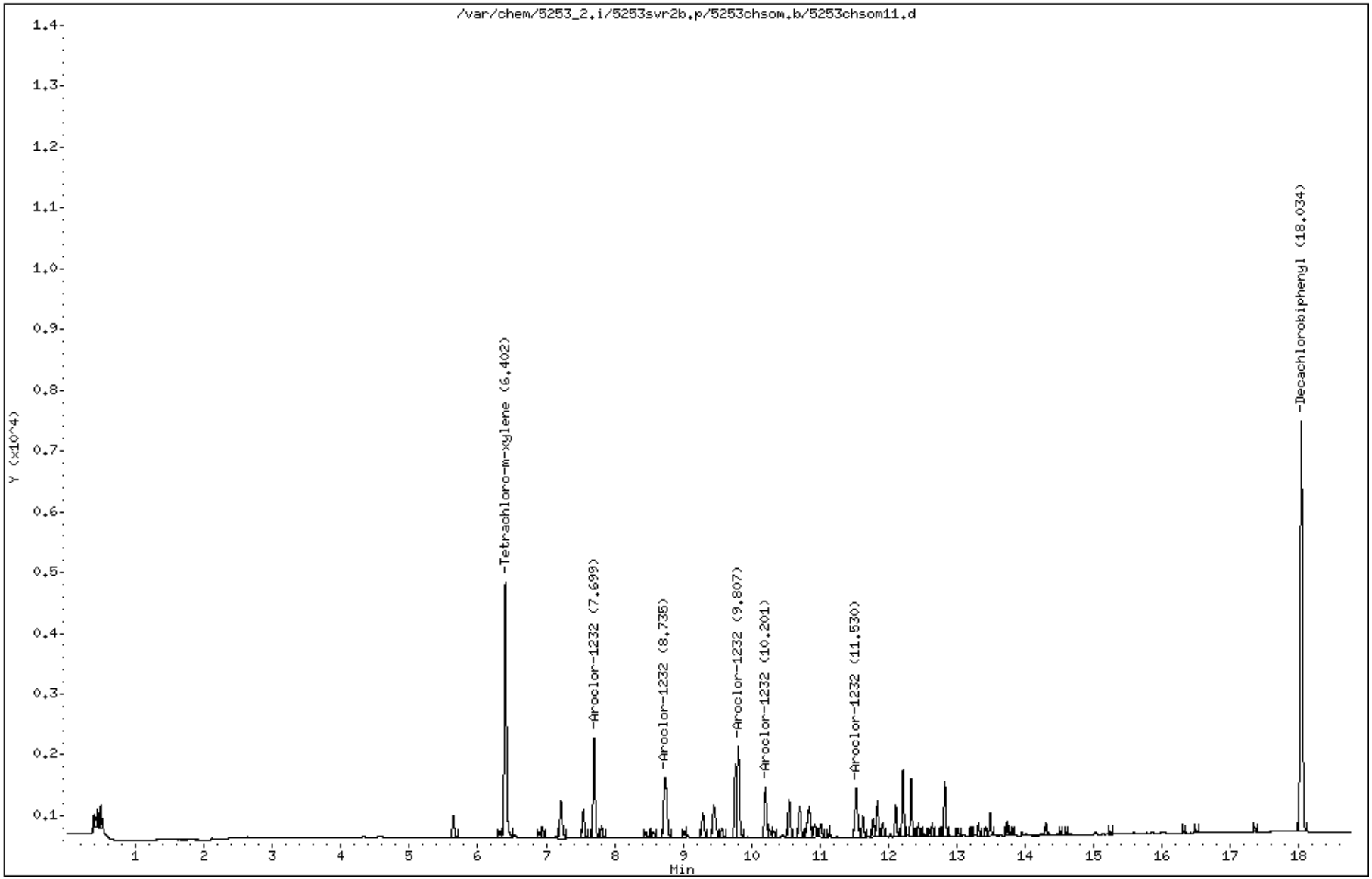
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom11.d
Lab Smp Id: IC-492110 Client Smp ID: AR12323S1
Inj Date : 13-AUG-2013 18:04
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492110,1,AR12323S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

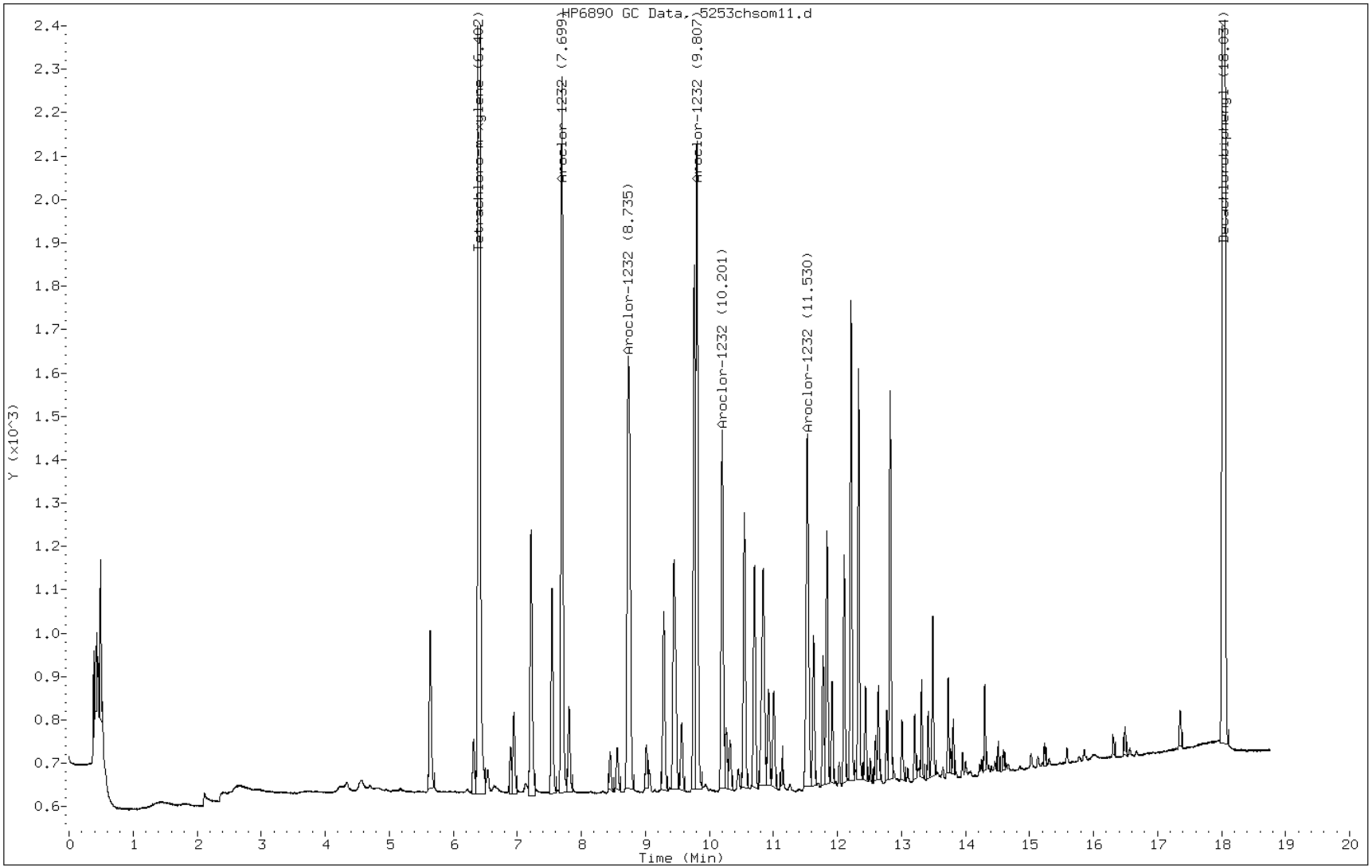
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	3313	0.02000	0.01896	80.00- 120.00	100.00
4 Aroclor-1232					CAS #: 11141-16-5		
6.093	6.091	0.002	1405	0.40000	0.3968	80.00- 120.00	100.00
6.871	6.870	0.001	779	0.40000	0.3939	145.73- 185.73	55.44
7.259	7.260	-0.001	709	0.40000	0.3881	107.60- 147.60	50.46
7.824	7.823	0.001	1286	0.40000	0.3976	82.96- 122.96	91.53
8.042	8.041	0.001	863	0.40000	0.3907	28.56- 68.56	61.42
Average of Peak Amounts =					0.393		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	8826	0.04000	0.03489	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom11.d
Date : 13-AUG-2013 18:04
Client ID: AR12323S1
Instrument: 5253_2.i
Sample Info: IC-492110,1,AR12323S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom11.d
Client ID: AR12323S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492110,1,AR12323S1

Date: 13-AUG-2013 18:04
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom11.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

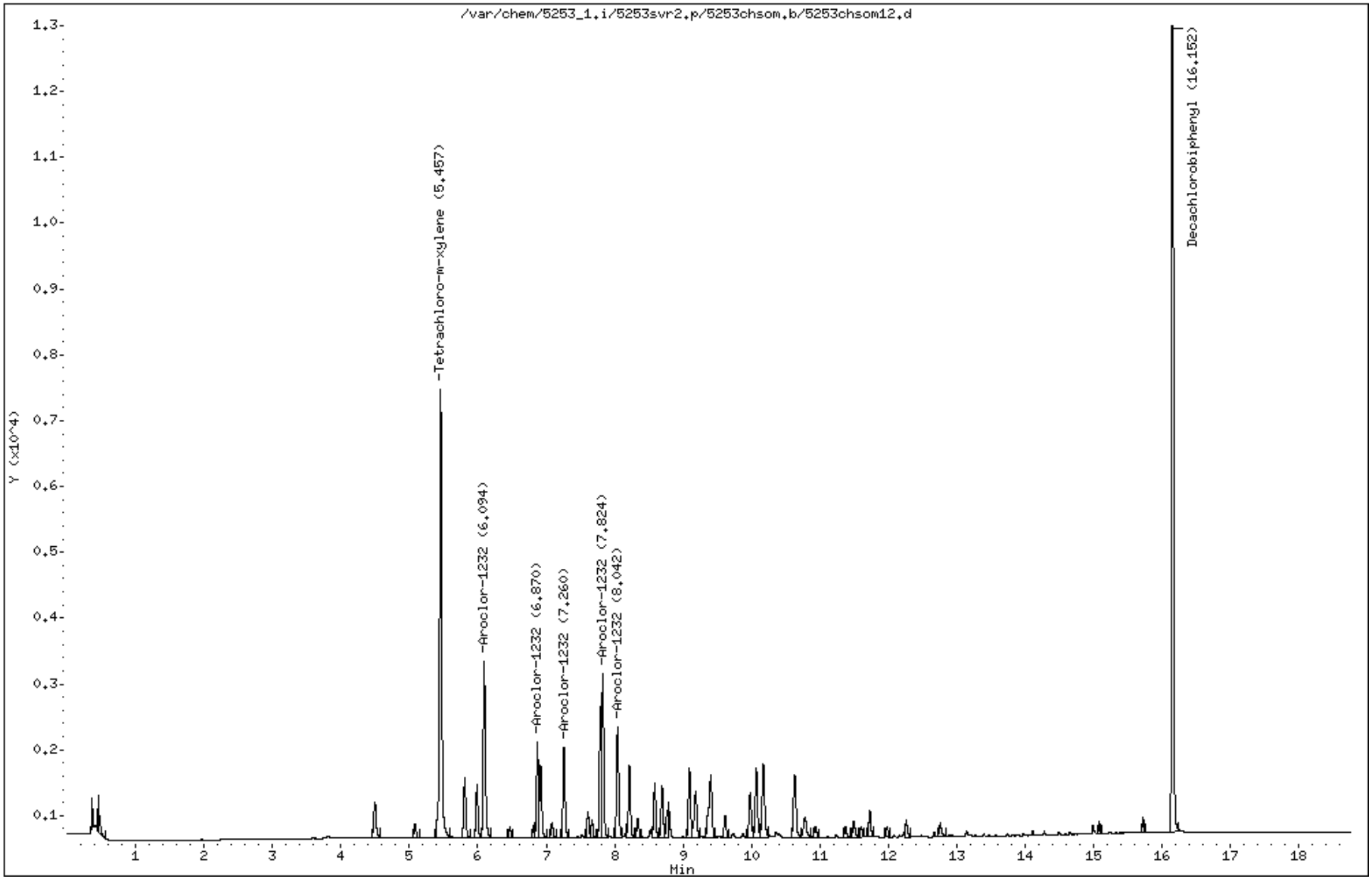
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom11.d
Lab Smp Id: IC-492110 Client Smp ID: AR12323S1
Inj Date : 13-AUG-2013 18:04
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492110,1,AR12323S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

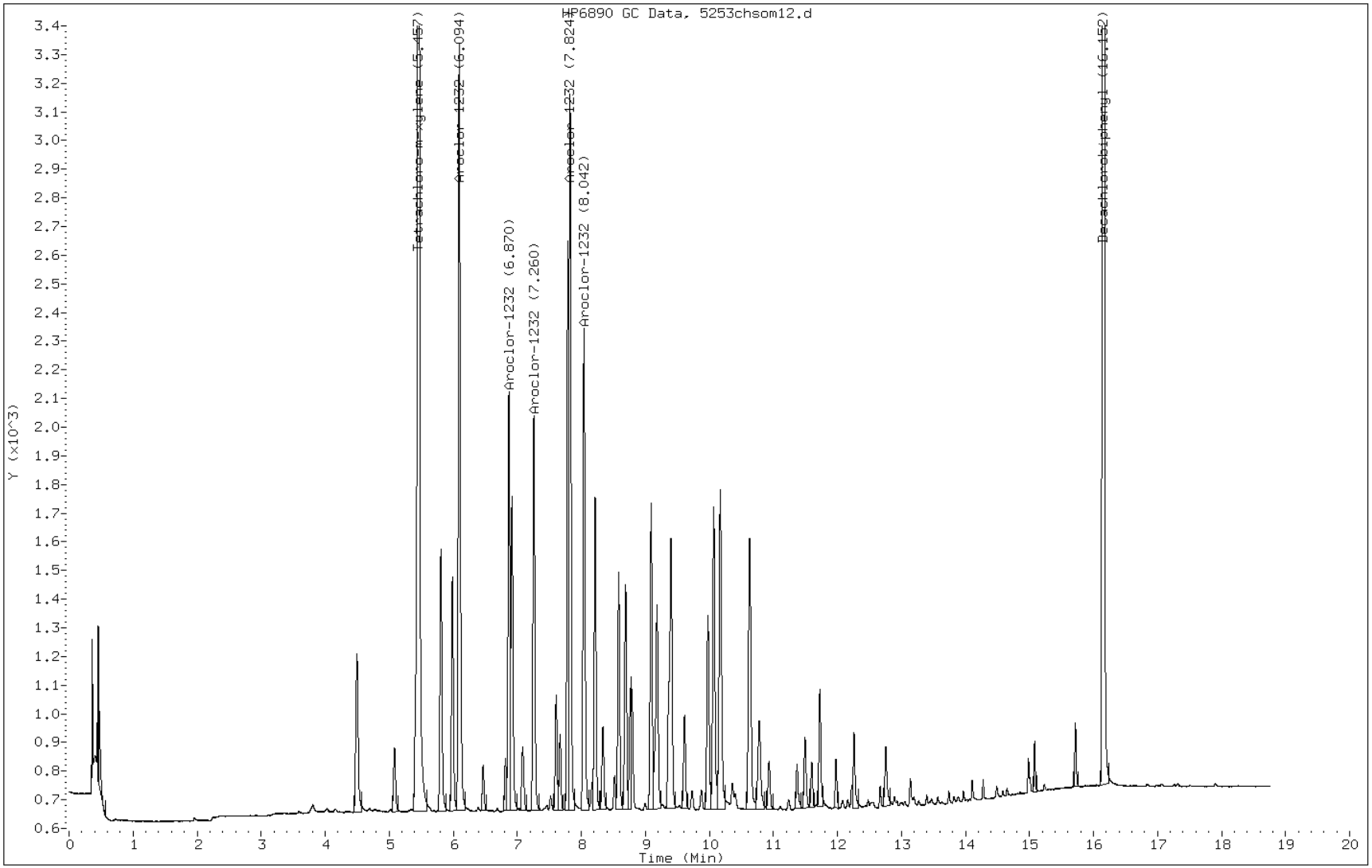
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
6.402	6.402	0.000	4218	0.02000	0.01952	80.00- 120.00	100.00
4 Aroclor-1232						CAS #: 11141-16-5	
7.699	7.700	-0.001	1650	0.40000	0.4031	80.00- 120.00	100.00
8.735	8.735	0.000	998	0.40000	0.3929	145.73- 185.73	60.48
9.807	9.809	-0.002	1493	0.40000	0.3959	107.60- 147.60	90.48
10.201	10.200	0.001	826	0.40000	0.3877	82.96- 122.96	50.06
11.530	11.530	0.000	812	0.40000	0.3847	28.56- 68.56	49.21
Average of Peak Amounts =					0.393		
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3	
18.034	18.032	0.002	6764	0.04000	0.03743	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom12.d
Date : 13-AUG-2013 18:28
Client ID: AR1232481
Instrument: 5253_1.i
Sample Info: IC-492087,1,AR1232481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File:	5253chsom12.d	Date:	13-AUG-2013 18:28
Client ID:	AR12324S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-492087,1,AR12324S1		



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom12.d
Lab Smp Id: IC-492087 Client Smp ID: AR12324S1
Inj Date : 13-AUG-2013 18:28
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492087,1,AR12324S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.457	5.458	-0.001	6821	0.04000	0.03904	80.00- 120.00	100.00(M)
4 Aroclor-1232						CAS #: 11141-16-5	
6.093	6.091	0.002	2677	0.80000	0.7560	80.00- 120.00	100.00(M)
6.870	6.870	0.000	1459	0.80000	0.7378	145.73- 185.73	54.50
7.260	7.260	0.000	1376	0.80000	0.7532	107.60- 147.60	51.40
7.824	7.823	0.001	2498	0.80000	0.7723	82.96- 122.96	93.31
8.042	8.041	0.001	1679	0.80000	0.7602	28.56- 68.56	62.72
Average of Peak Amounts =					0.756		
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3	
16.152	16.151	0.001	17579	0.08000	0.06949	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

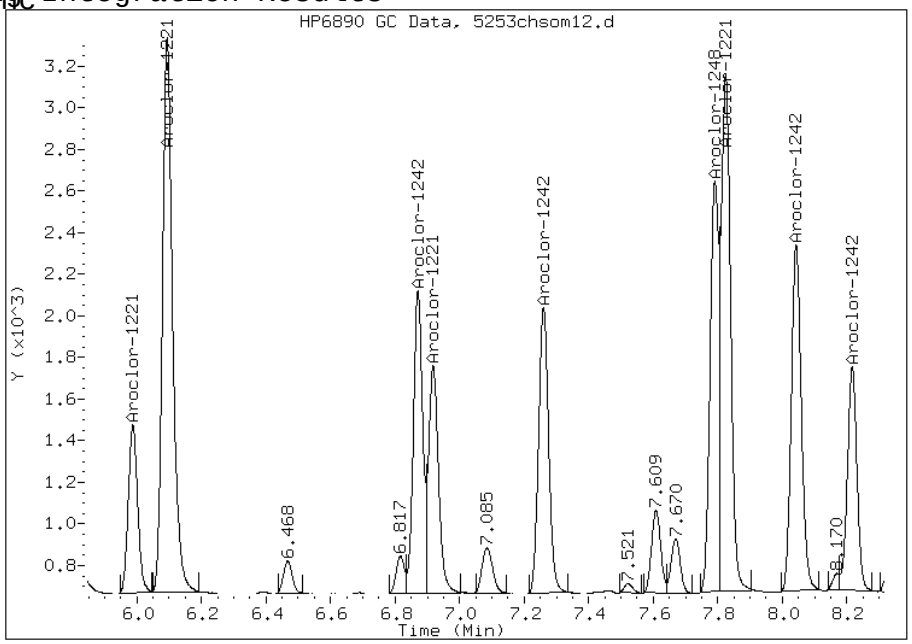
Manual Integration Report

Data File: 5253chsom12.d
Lab Sample ID: IC-492087
Inj. Date and Time: 13-AUG-2013 18:28
Instrument ID: 5253_1.i
Client ID: AR12324S1
Compound: 4 Aroclor-1232
CAS #: 11141-16-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.09	2669*	0.75
6.87	1457*	0.74
7.26	1374*	0.75
7.82	2487*	0.77
8.04	1666*	0.75

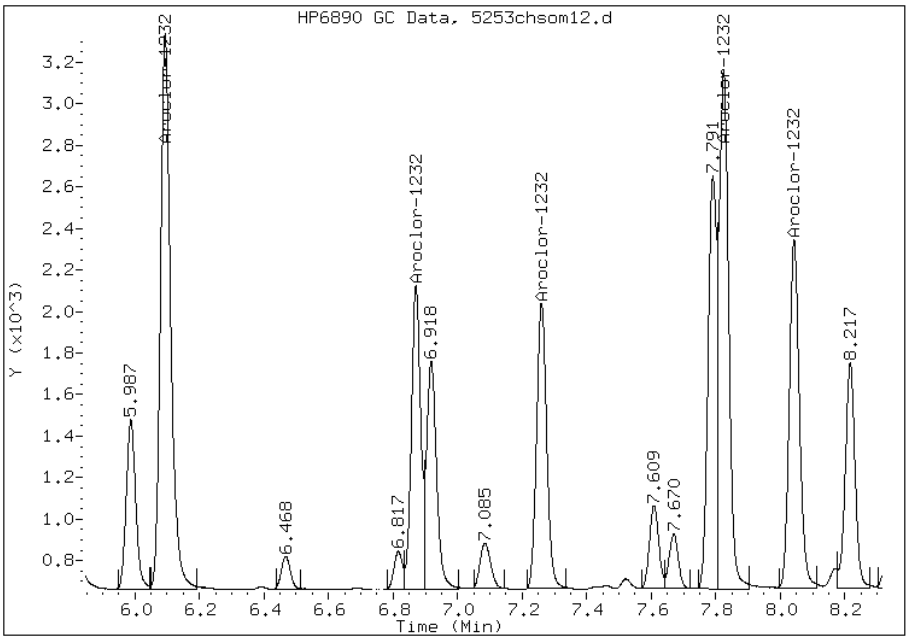
Final Conc		0.75



Manual Integration Results

RT	Response	Conc
6.09	2677*	0.76
6.87	1459*	0.74
7.26	1376*	0.75
7.82	2498*	0.77
8.04	1679*	0.76

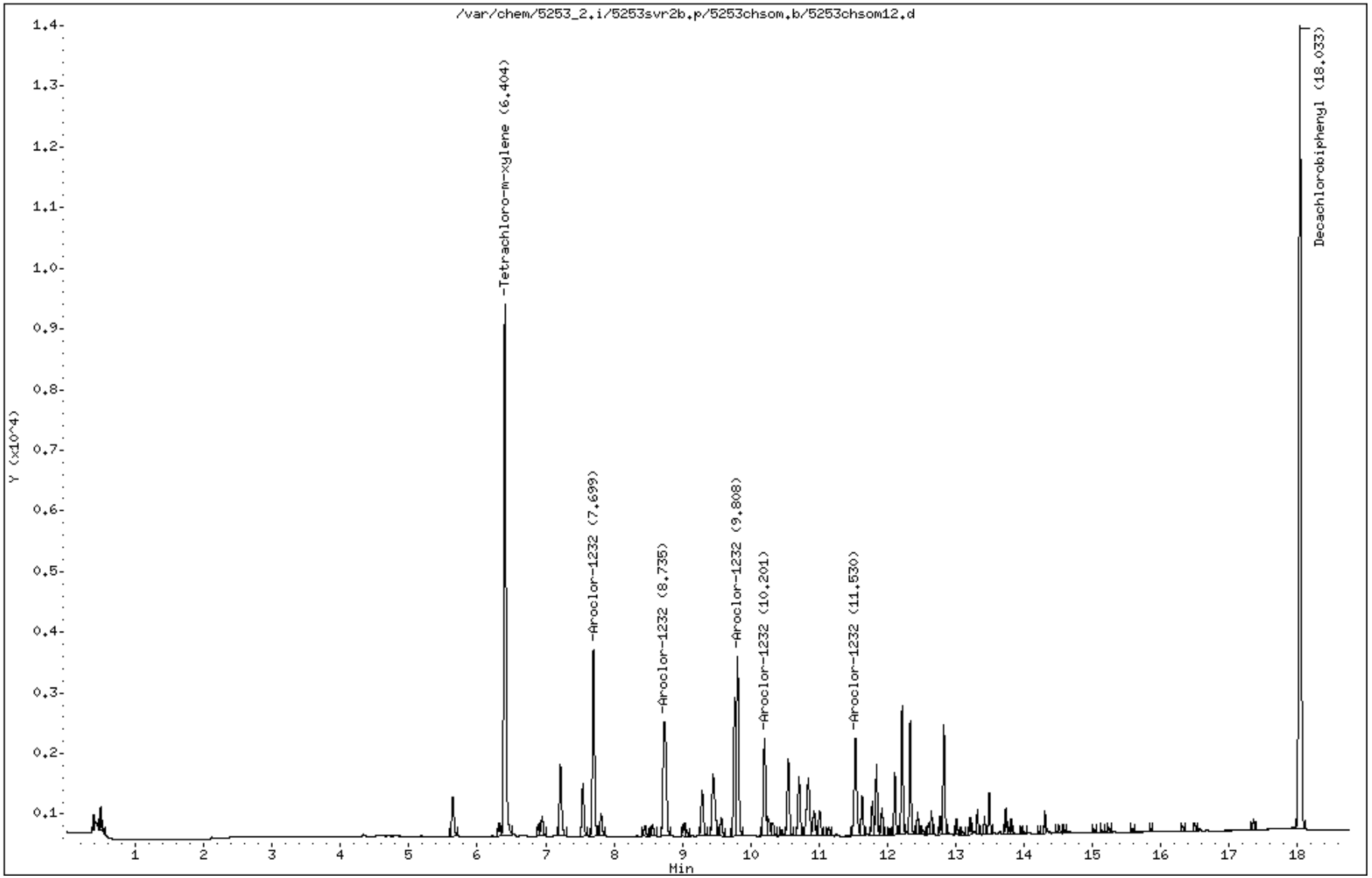
Final Conc		0.76



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom12.d
Date : 13-AUG-2013 18:28
Client ID: AR1232481
Sample Info: IC-492087,1,AR1232481
Volume Injected (uL): 1.0
Column phase: RTX-35

Instrument: 5253_2.i
Operator: MMS
Column diameter: 0.25



Data File: 5253chsom12.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

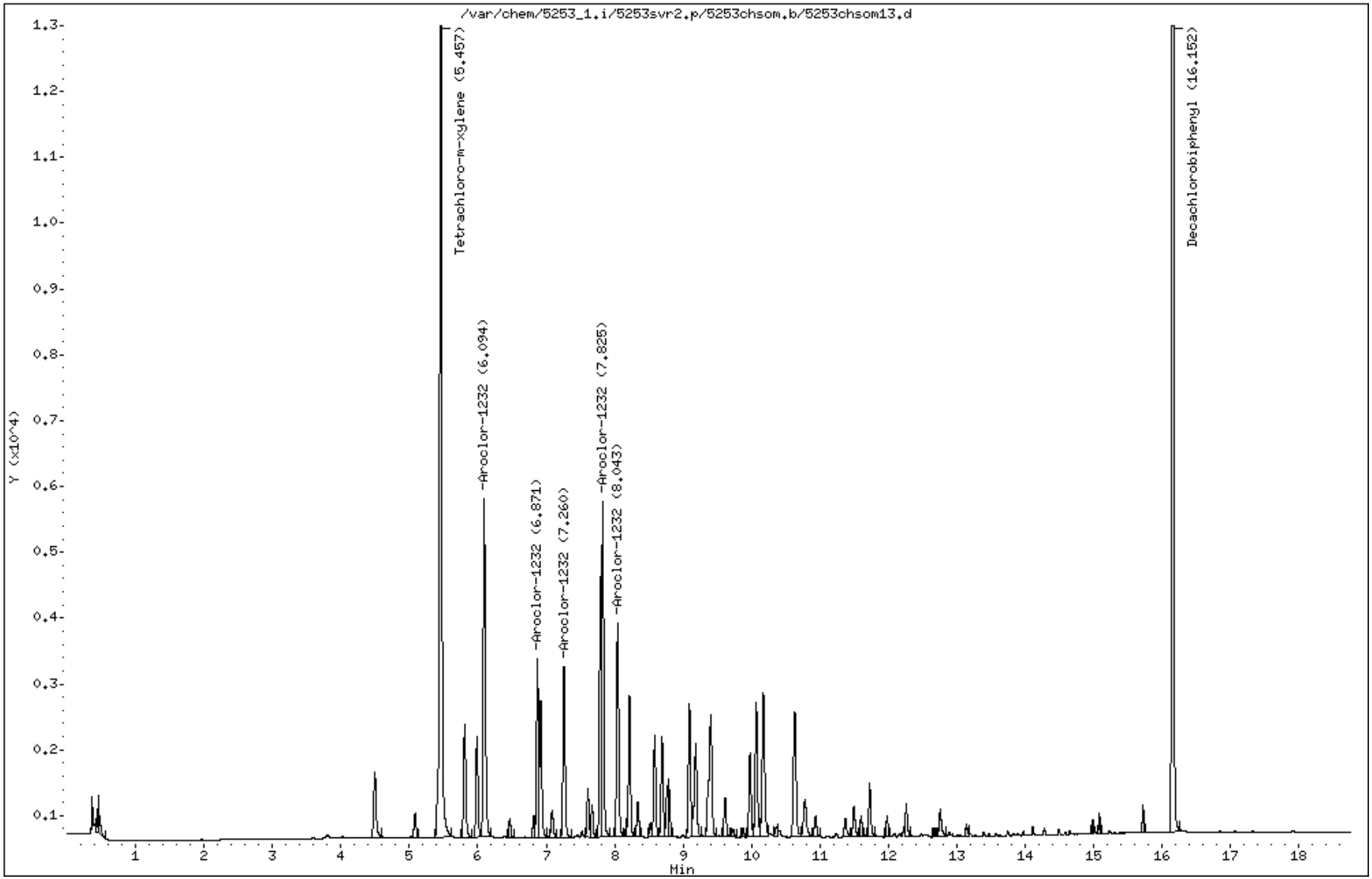
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom12.d
Lab Smp Id: IC-492087 Client Smp ID: AR12324S1
Inj Date : 13-AUG-2013 18:28
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492087,1,AR12324S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	8746	0.04000	0.04048	80.00- 120.00	100.00
4 Aroclor-1232					CAS #: 11141-16-5		
7.699	7.700	-0.001	3078	0.80000	0.7519	80.00- 120.00	100.00
8.735	8.735	0.000	1880	0.80000	0.7402	145.73- 185.73	61.08
9.808	9.809	-0.001	2958	0.80000	0.7845	107.60- 147.60	96.10
10.201	10.200	0.001	1615	0.80000	0.7581	82.96- 122.96	52.47
11.530	11.530	0.000	1604	0.80000	0.7599	28.56- 68.56	52.11
Average of Peak Amounts =					0.759		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	13353	0.08000	0.07390	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom13.d
Date : 13-AUG-2013 18:53
Client ID: AR12325S1
Instrument: 5253_1.i
Sample Info: IC-491878,1,AR12325S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

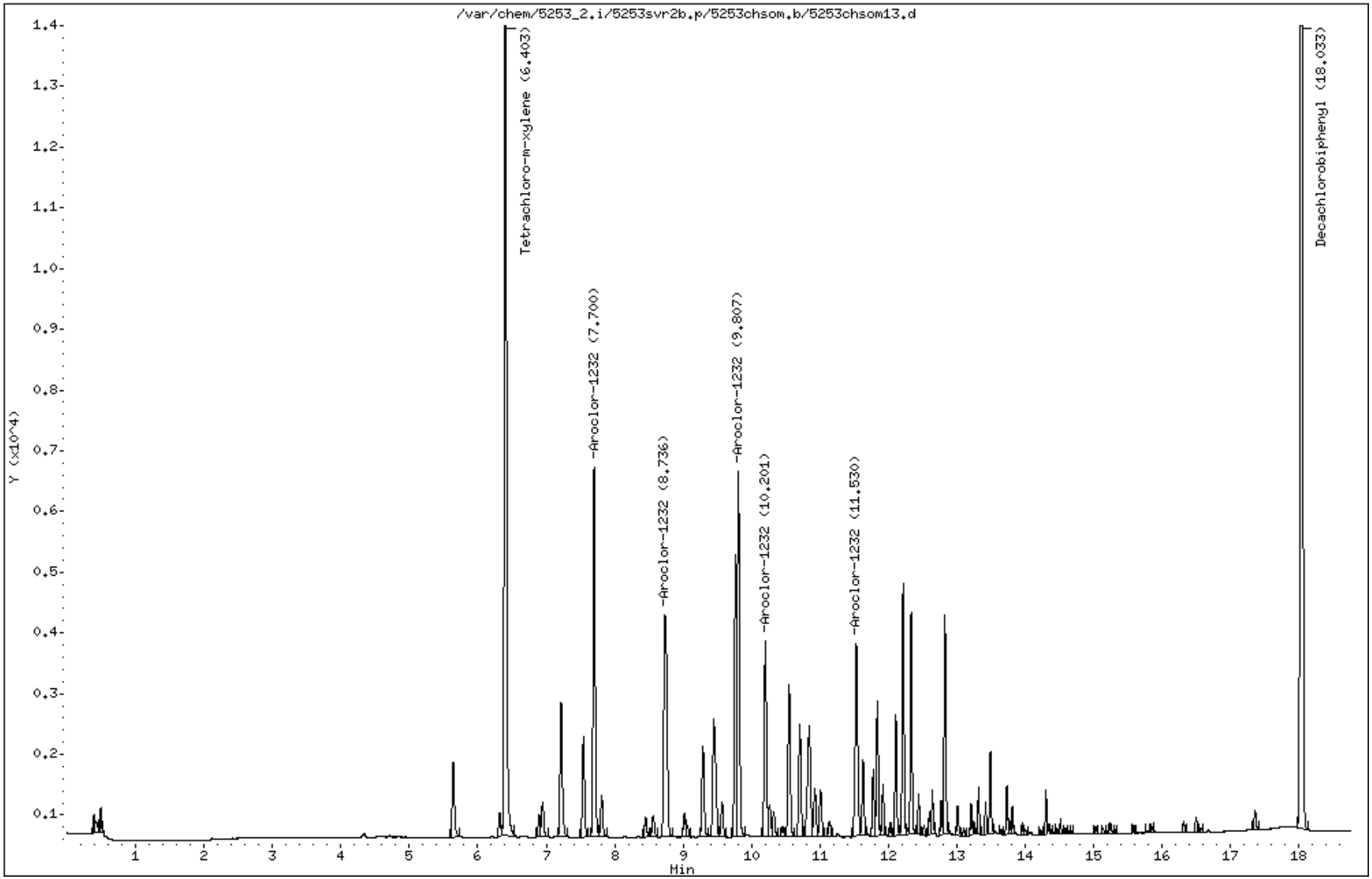
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom13.d
Lab Smp Id: IC-491878 Client Smp ID: AR12325S1
Inj Date : 13-AUG-2013 18:53
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491878,1,AR12325S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	14169	0.08000	0.08109	80.00- 120.00	100.00
4 Aroclor-1232					CAS #: 11141-16-5		
6.094	6.091	0.003	5138	1.60000	1.451	80.00- 120.00	100.00
6.871	6.870	0.001	2723	1.60000	1.377	145.73- 185.73	53.00
7.260	7.260	0.000	2595	1.60000	1.420	107.60- 147.60	50.51
7.825	7.823	0.002	5103	1.60000	1.578	82.96- 122.96	99.32
8.043	8.041	0.002	3252	1.60000	1.472	28.56- 68.56	63.29
Average of Peak Amounts =					1.46		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	36079	0.16000	0.1426	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom13.d
Date : 13-AUG-2013 18:53
Client ID: AR12325S1
Instrument: 5253_2.i
Sample Info: IC-491878,1,AR12325S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom13.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

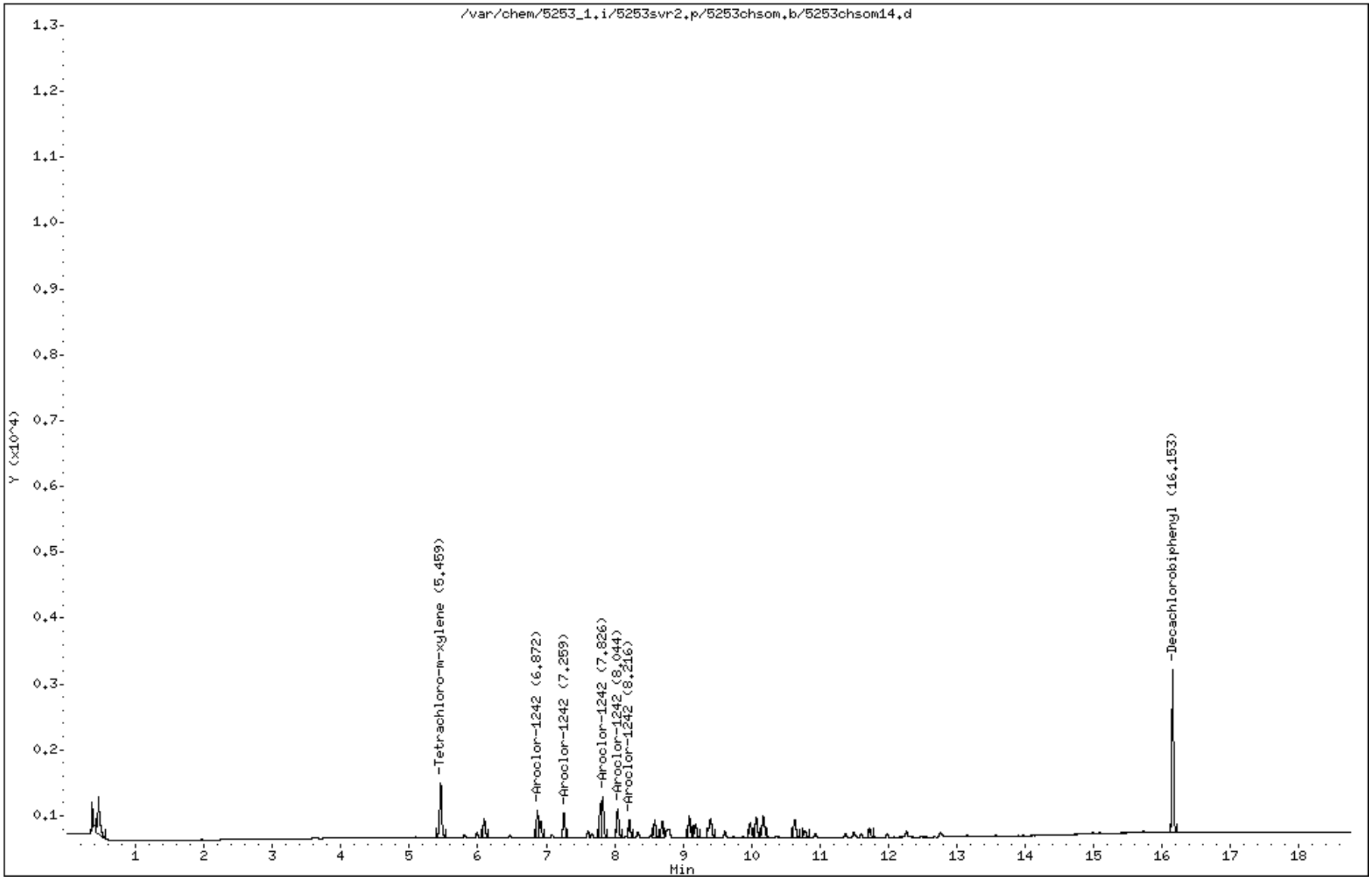
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom13.d
Lab Smp Id: IC-491878 Client Smp ID: AR12325S1
Inj Date : 13-AUG-2013 18:53
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491878,1,AR12325S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

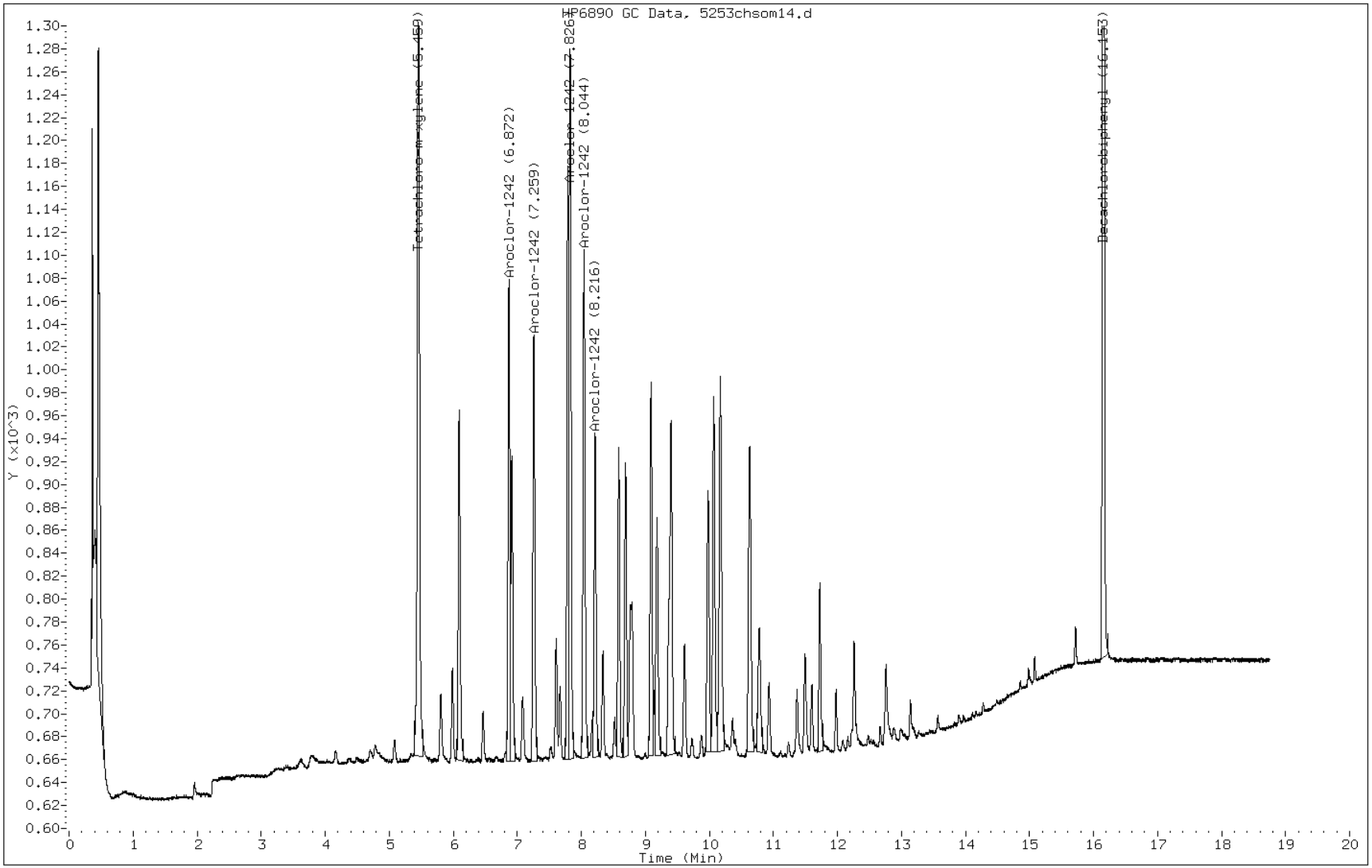
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	18313	0.08000	0.08476	80.00- 120.00	100.00
4 Aroclor-1232					CAS #: 11141-16-5		
7.700	7.700	0.000	6082	1.60000	1.486	80.00- 120.00	100.00
8.736	8.735	0.001	3647	1.60000	1.436	145.73- 185.73	59.96
9.807	9.809	-0.002	6022	1.60000	1.597	107.60- 147.60	99.01
10.201	10.200	0.001	3220	1.60000	1.512	82.96- 122.96	52.94
11.530	11.530	0.000	3167	1.60000	1.500	28.56- 68.56	52.07
Average of Peak Amounts =					1.51		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	27354	0.16000	0.1514	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom14.d
Date : 13-AUG-2013 19:18
Client ID: AR12421S1
Instrument: 5253_1.i
Sample Info: IC-492085,1,AR12421S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom14.d
Client ID: AR12421S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492085,1,AR12421S1

Date: 13-AUG-2013 19:18
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom14.d
Lab Smp Id: IC-492085 Client Smp ID: AR12421S1
Inj Date : 13-AUG-2013 19:18
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492085,1,AR12421S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.459	5.458	0.001	825	0.00500	0.004722	80.00- 120.00	100.00(M)
3 Aroclor-1242						CAS #: 53469-21-9	
6.871	6.871	0.000	420	0.10000	0.1173	80.00- 120.00	100.00(M)
7.259	7.260	-0.001	371	0.10000	0.1129	76.75- 116.75	88.33
7.825	7.827	-0.002	619	0.10000	0.1011	25.18- 65.18	147.38
8.043	8.041	0.002	443	0.10000	0.1096	28.37- 68.37	105.48
8.216	8.219	-0.003	282	0.10000	0.1076	25.12- 65.12	67.14
Average of Peak Amounts =					0.11		
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3	
16.153	16.151	0.002	2477	0.01000	0.009792	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

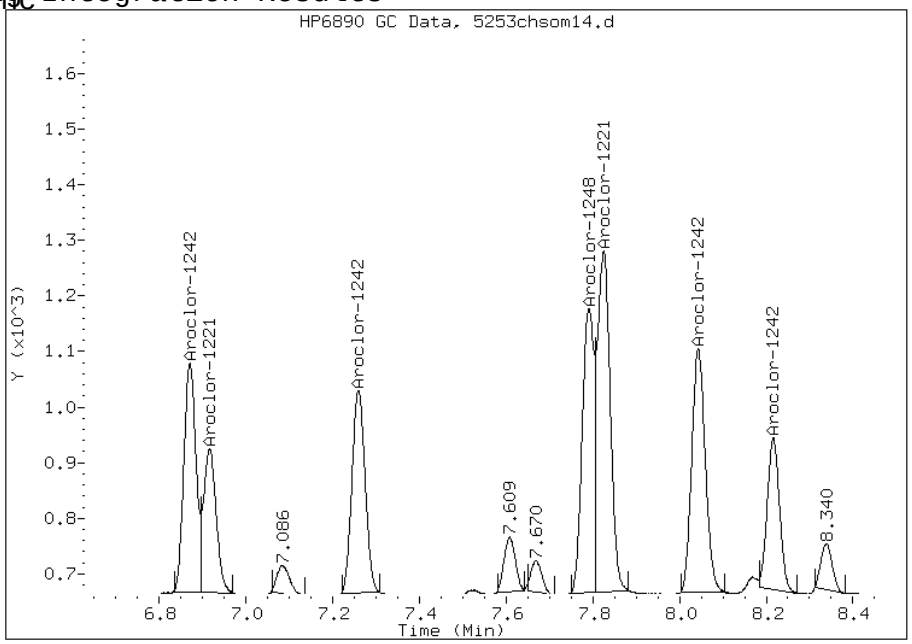
Manual Integration Report

Data File: 5253chsom14.d
Lab Sample ID: IC-492085
Inj. Date and Time: 13-AUG-2013 19:18
Instrument ID: 5253_1.i
Client ID: AR12421S1
Compound: 3 Aroclor-1242
CAS #: 53469-21-9
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	411*	0.11
7.26	364*	0.11
7.83	612*	0.10
8.04	437*	0.11
8.22	274*	0.10

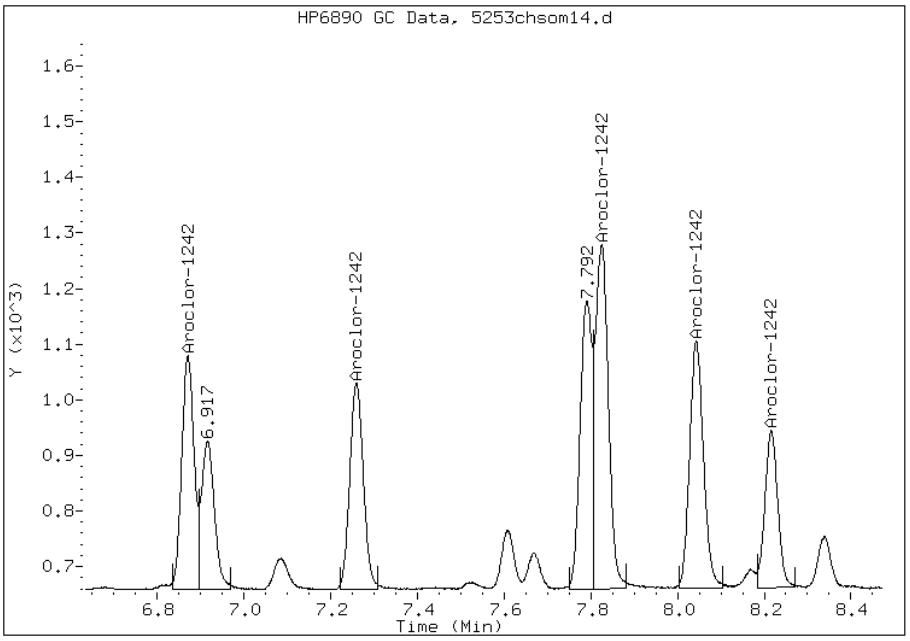
Final Conc		0.11



Manual Integration Results

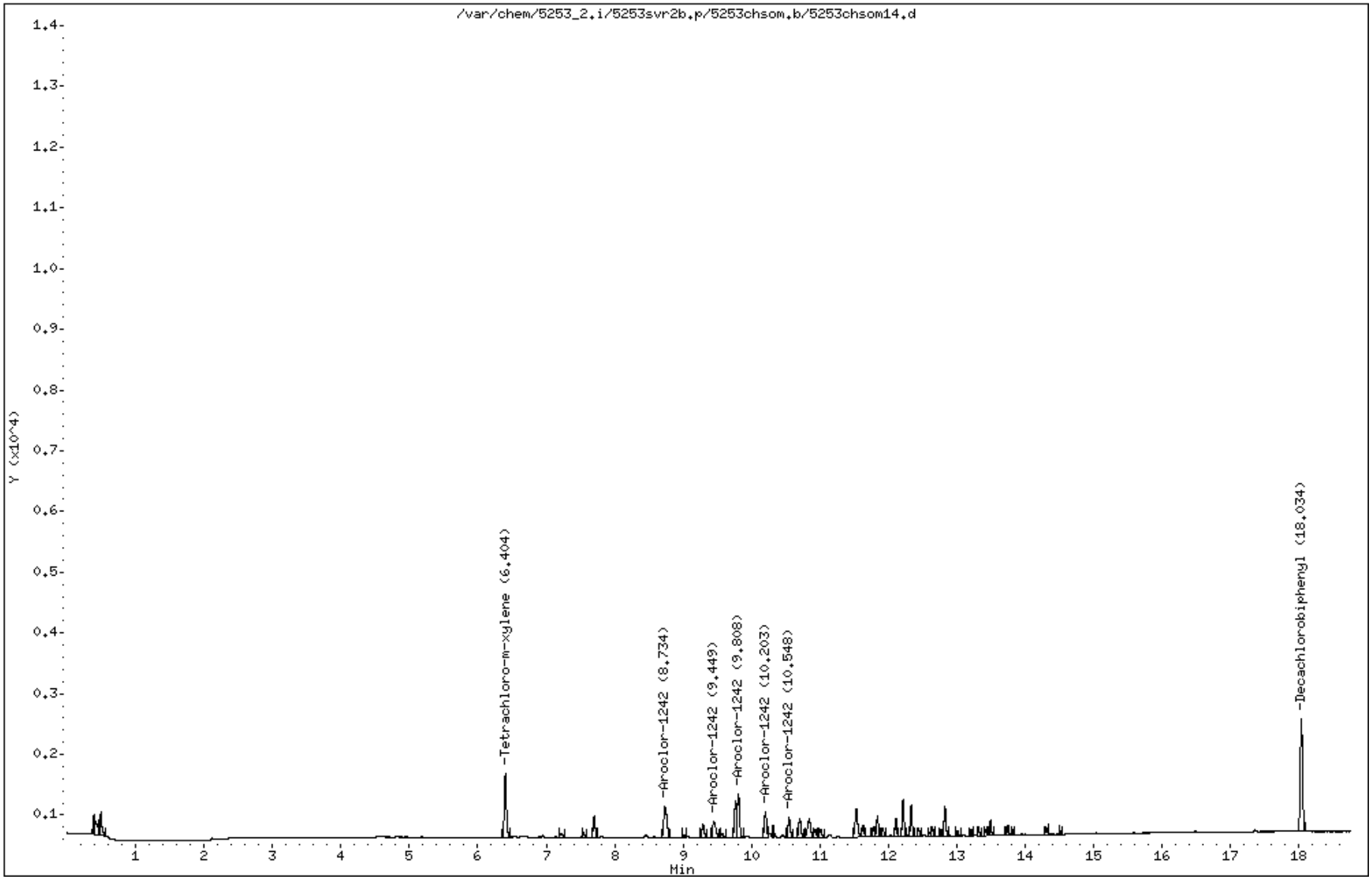
RT	Response	Conc
6.87	420*	0.12
7.26	371*	0.11
7.83	619*	0.10
8.04	443*	0.11
8.22	282*	0.11

Final Conc		0.11



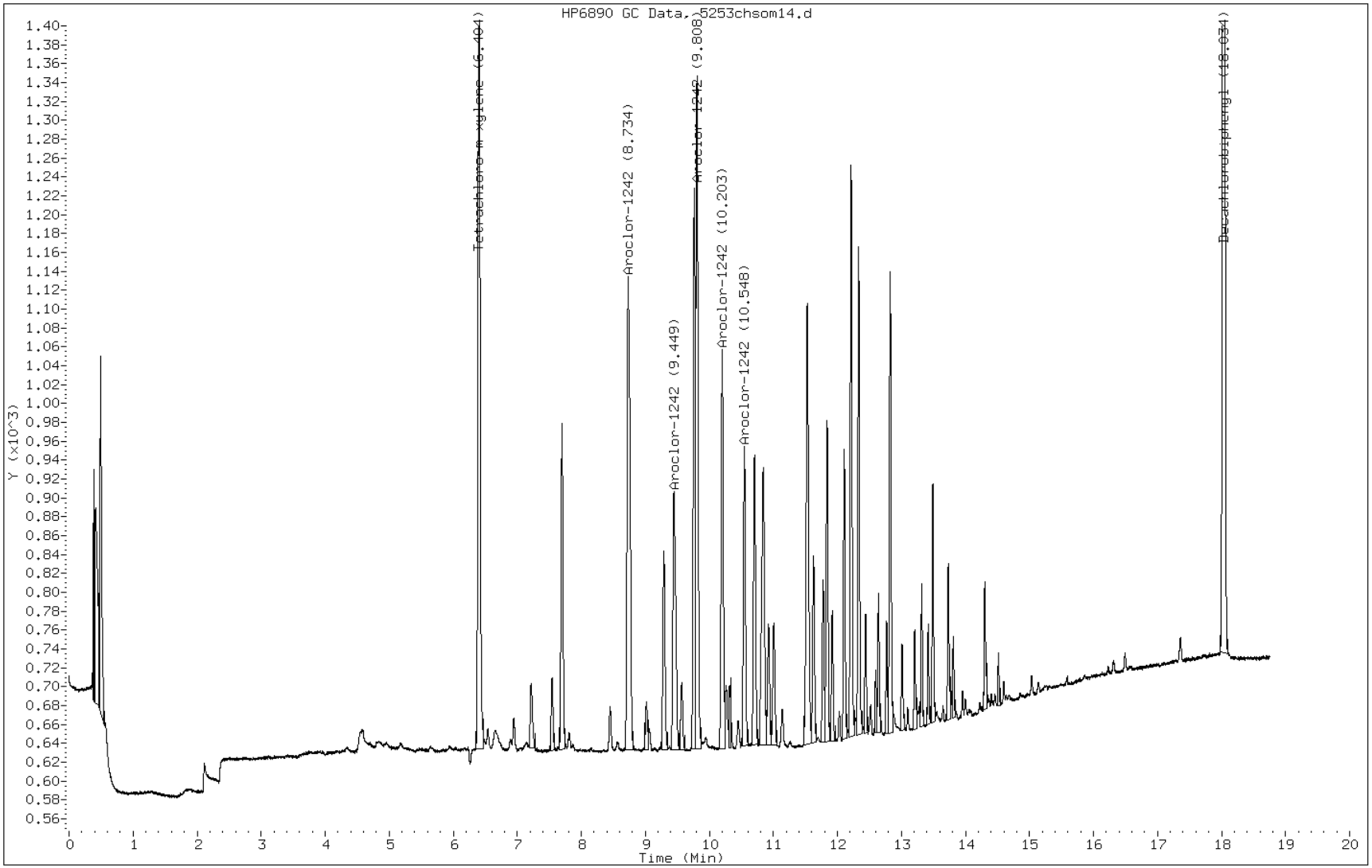
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom14.d
Date : 13-AUG-2013 19:18
Client ID: AR12421S1
Instrument: 5253_2.i
Sample Info: IC-492085,1,AR12421S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom14.d
Client ID: AR12421S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492085,1,AR12421S1

Date: 13-AUG-2013 19:18
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom14.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom14.d
Lab Smp Id: IC-492085 Client Smp ID: AR12421S1
Inj Date : 13-AUG-2013 19:18
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492085,1,AR12421S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	1041	0.00500	0.004818	80.00- 120.00	100.00(M)
3 Aroclor-1242					CAS #: 53469-21-9		
8.732	8.731	0.001	502	0.10000	0.1118	80.00- 120.00	100.00(M)
9.447	9.449	-0.002	274	0.10000	0.1129	76.75- 116.75	54.58
9.808	9.809	-0.001	713	0.10000	0.09940	25.18- 65.18	142.03
10.203	10.201	0.002	423	0.10000	0.1082	28.37- 68.37	84.26
10.548	10.549	-0.001	317	0.10000	0.1054	25.12- 65.12	63.15
Average of Peak Amounts =					0.108		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	1858	0.01000	0.01028	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

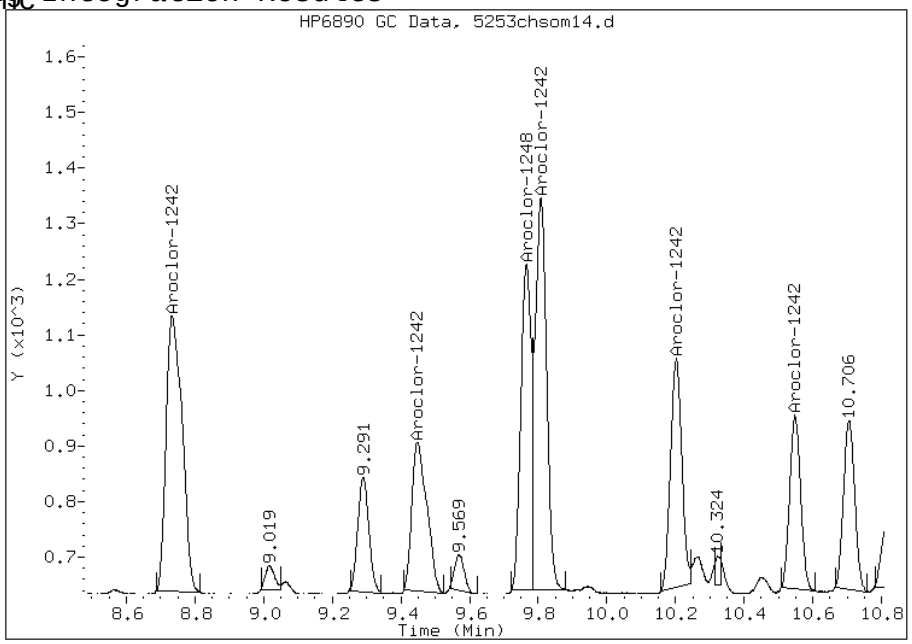
Manual Integration Report

Data File: 5253chsom14.d
Lab Sample ID: IC-492085
Inj. Date and Time: 13-AUG-2013 19:18
Instrument ID: 5253_2.i
Client ID: AR12421S1
Compound: 3 Aroclor-1242
CAS #: 53469-21-9
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
8.73	497*	0.11
9.45	268*	0.11
9.81	706*	0.10
10.20	411*	0.11
10.55	313*	0.10

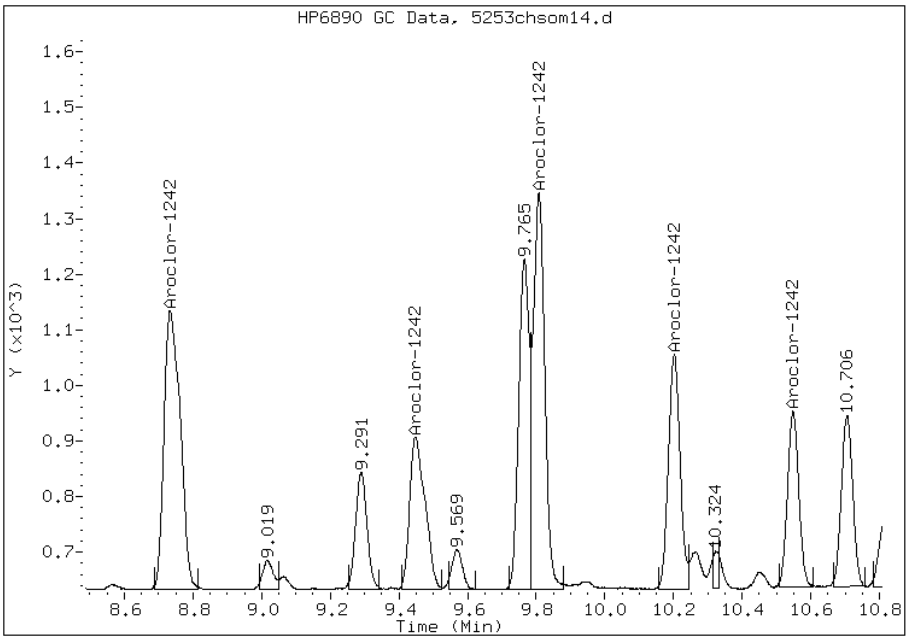
Final Conc		0.11



Manual Integration Results

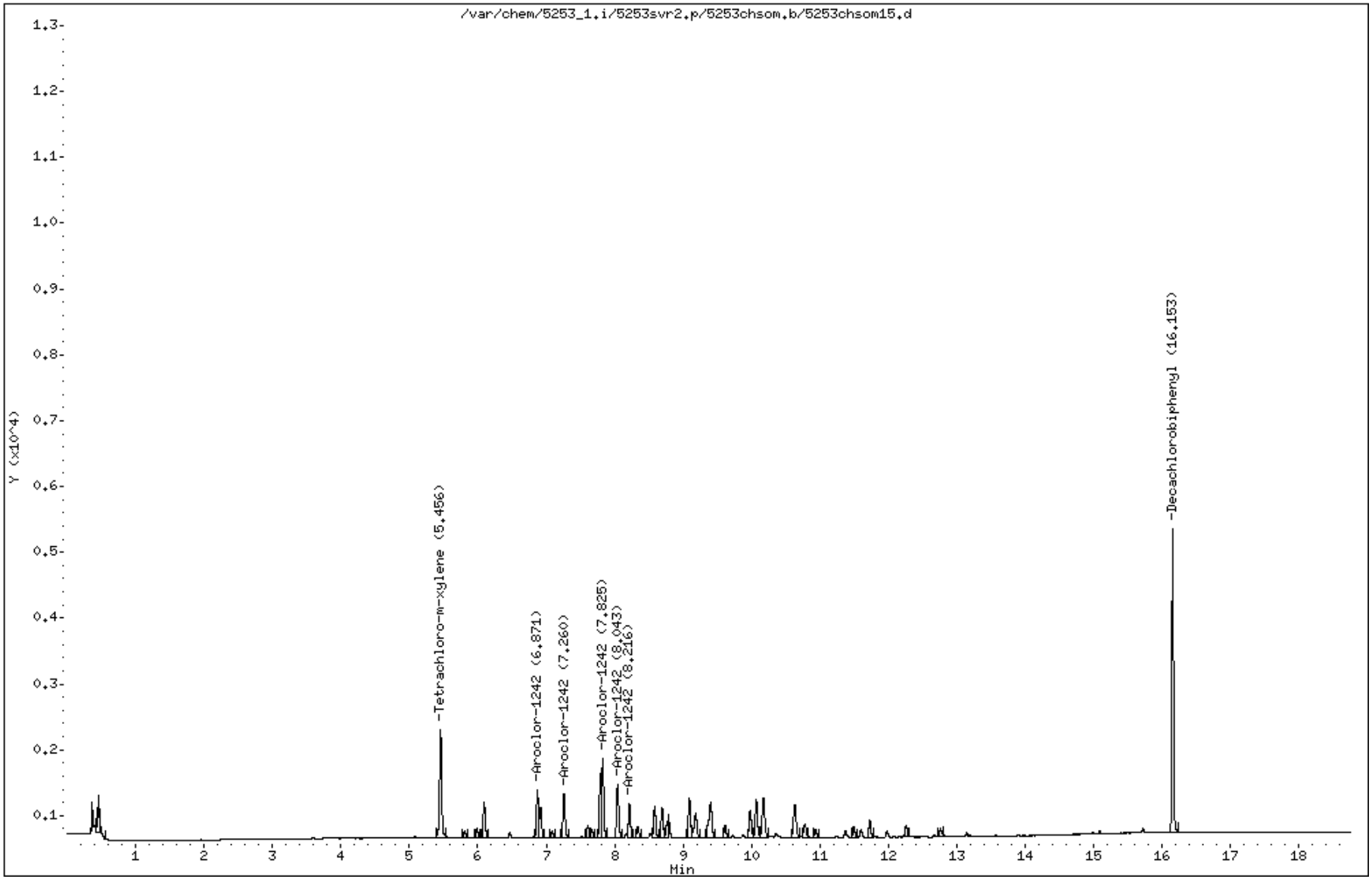
RT	Response	Conc
8.73	502*	0.11
9.45	274*	0.11
9.81	713*	0.10
10.20	423*	0.11
10.55	317*	0.11

Final Conc		0.11



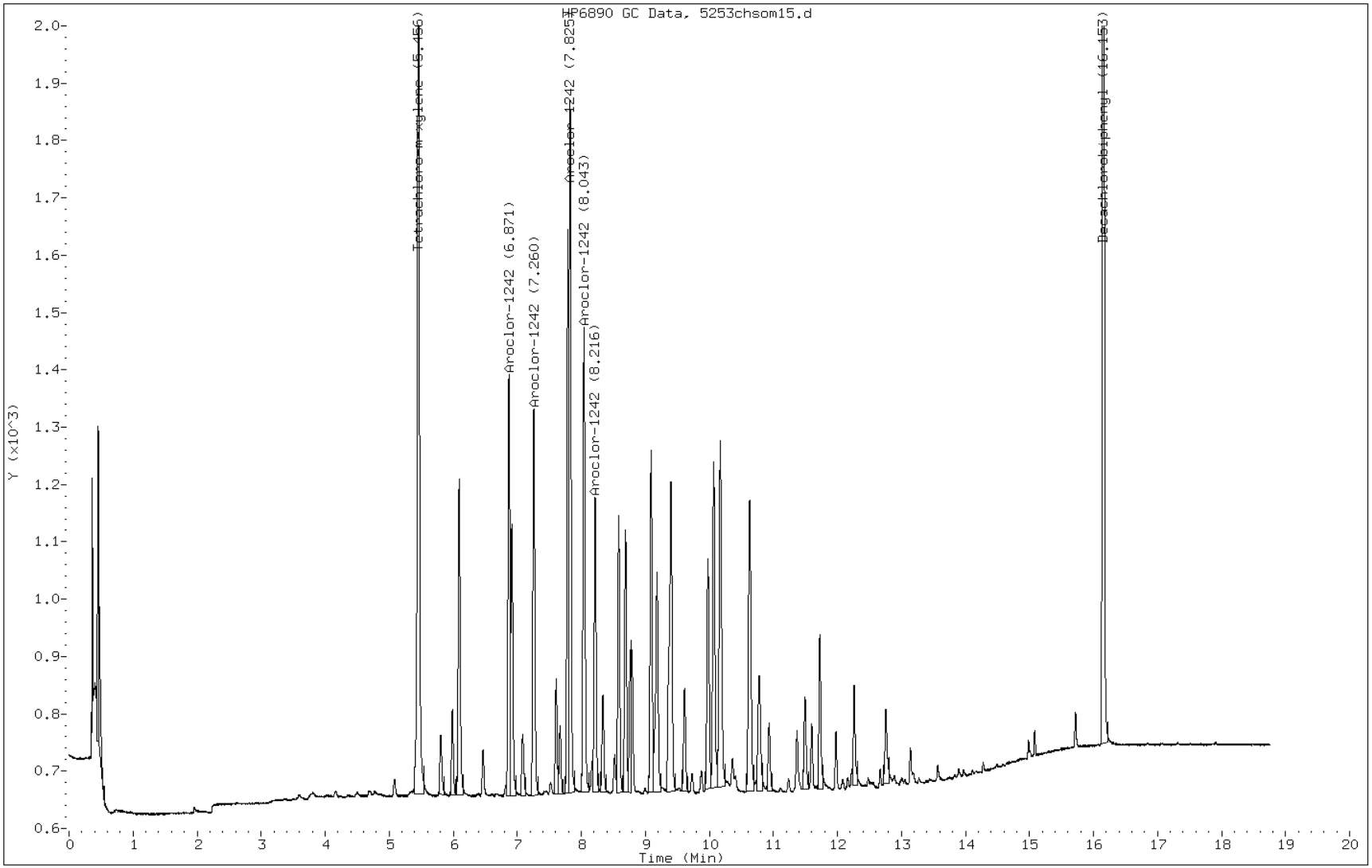
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom15.d
Date : 13-AUG-2013 19:42
Client ID: AR12422S1
Instrument: 5253_1.i
Sample Info: IC-492084,1,AR12422S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom15.d
Client ID: AR12422S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492084,1,AR12422S1

Date: 13-AUG-2013 19:42
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom15.d
Lab Smp Id: IC-492084 Client Smp ID: AR12422S1
Inj Date : 13-AUG-2013 19:42
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492084,1,AR12422S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.456	5.458	-0.002	1634	0.01000	0.009351	80.00- 120.00	100.00(M)
3 Aroclor-1242					CAS #: 53469-21-9		
6.871	6.871	0.000	735	0.20000	0.2052	80.00- 120.00	100.00(M)
7.259	7.260	-0.001	673	0.20000	0.2048	76.75- 116.75	91.56
7.825	7.827	-0.002	1207	0.20000	0.1972	25.18- 65.18	164.22
8.043	8.041	0.002	811	0.20000	0.2007	28.37- 68.37	110.34
8.216	8.219	-0.003	514	0.20000	0.1962	25.12- 65.12	69.93
Average of Peak Amounts =					0.201		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	4613	0.02000	0.01824	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

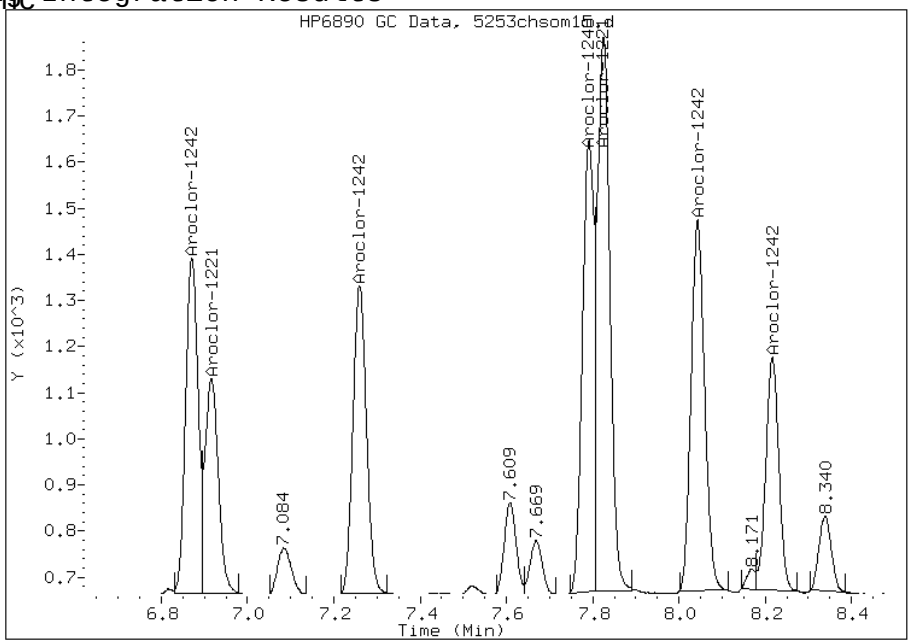
Manual Integration Report

Data File: 5253chsom15.d
Lab Sample ID: IC-492084
Inj. Date and Time: 13-AUG-2013 19:42
Instrument ID: 5253_1.i
Client ID: AR12422S1
Compound: 3 Aroclor-1242
CAS #: 53469-21-9
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	726*	0.20
7.26	666*	0.20
7.82	1201*	0.20
8.04	803*	0.20
8.22	506*	0.19

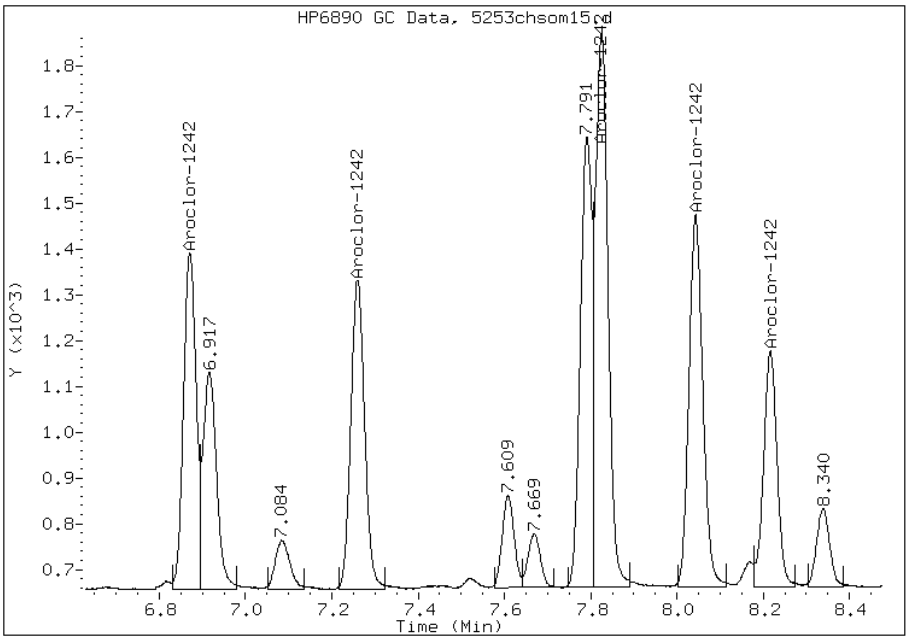
Final Conc		0.20



Manual Integration Results

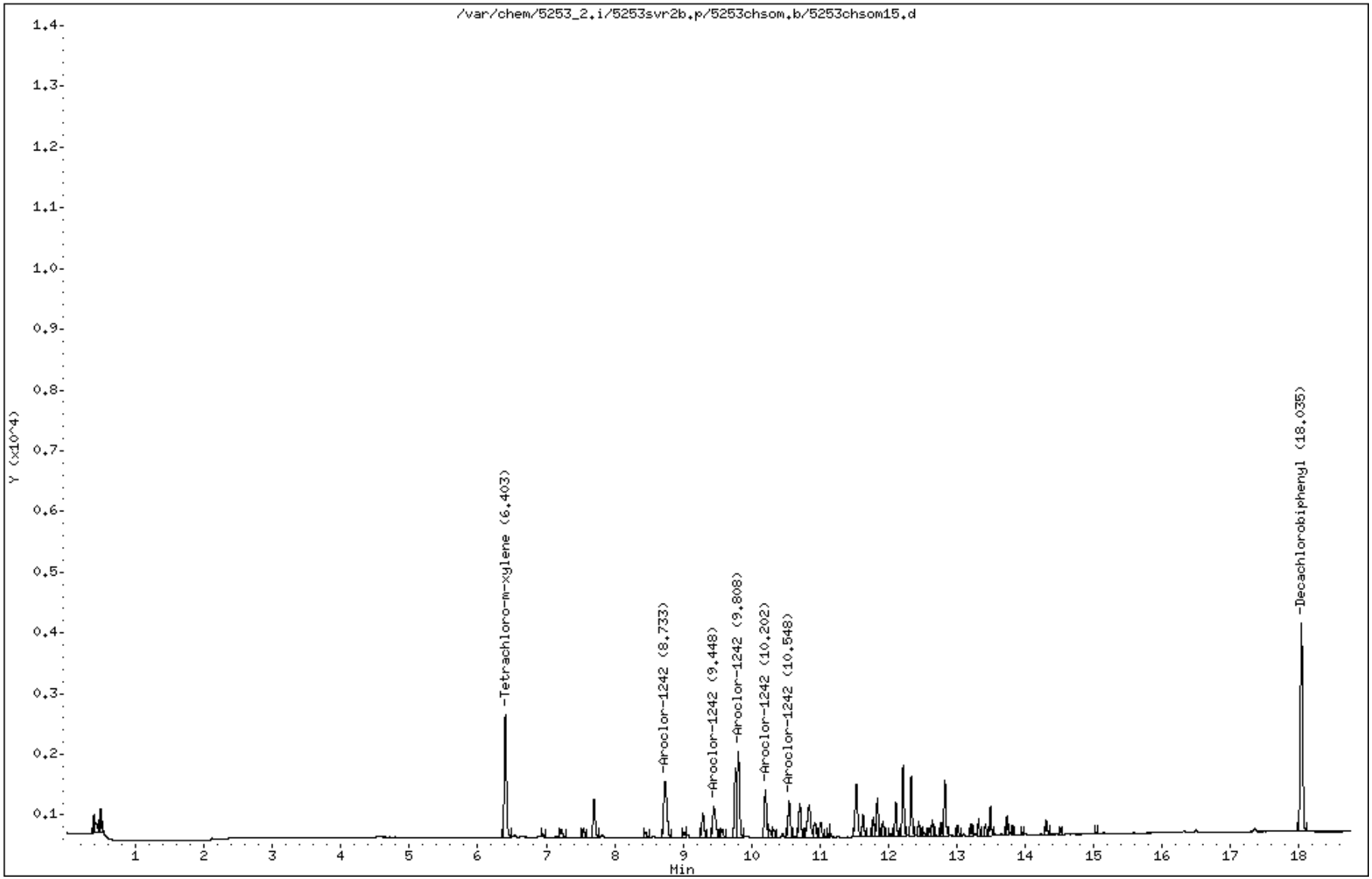
RT	Response	Conc
6.87	735*	0.21
7.26	673*	0.20
7.82	1207*	0.20
8.04	811*	0.20
8.22	514*	0.20

Final Conc		0.20



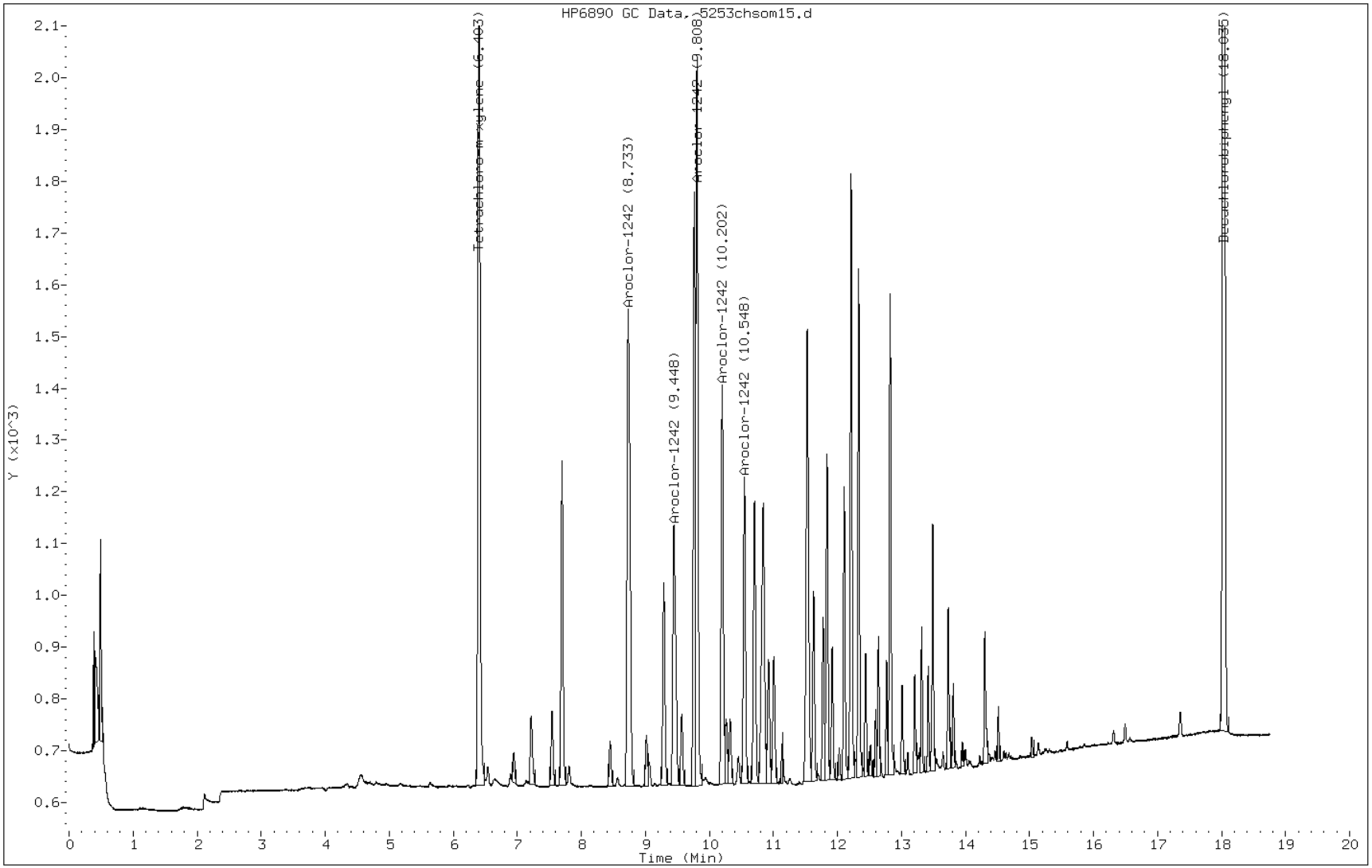
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom15.d
Date : 13-AUG-2013 19:42
Client ID: AR1242S1
Instrument: 5253_2.i
Sample Info: IC-492084,1,AR1242S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom15.d
Client ID: AR12422S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492084,1,AR12422S1

Date: 13-AUG-2013 19:42
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom15.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom15.d
Lab Smp Id: IC-492084 Client Smp ID: AR12422S1
Inj Date : 13-AUG-2013 19:42
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492084,1,AR12422S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	2011	0.01000	0.009308	80.00- 120.00	100.00(M)
3 Aroclor-1242					CAS #: 53469-21-9		
8.731	8.731	0.000	921	0.20000	0.2051	80.00- 120.00	100.00(M)
9.447	9.449	-0.002	502	0.20000	0.2068	76.75- 116.75	54.51
9.808	9.809	-0.001	1404	0.20000	0.1957	25.18- 65.18	152.44
10.201	10.201	0.000	770	0.20000	0.1970	28.37- 68.37	83.60
10.548	10.549	-0.001	592	0.20000	0.1969	25.12- 65.12	64.28
Average of Peak Amounts =					0.2		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.035	18.032	0.003	3430	0.02000	0.01898	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

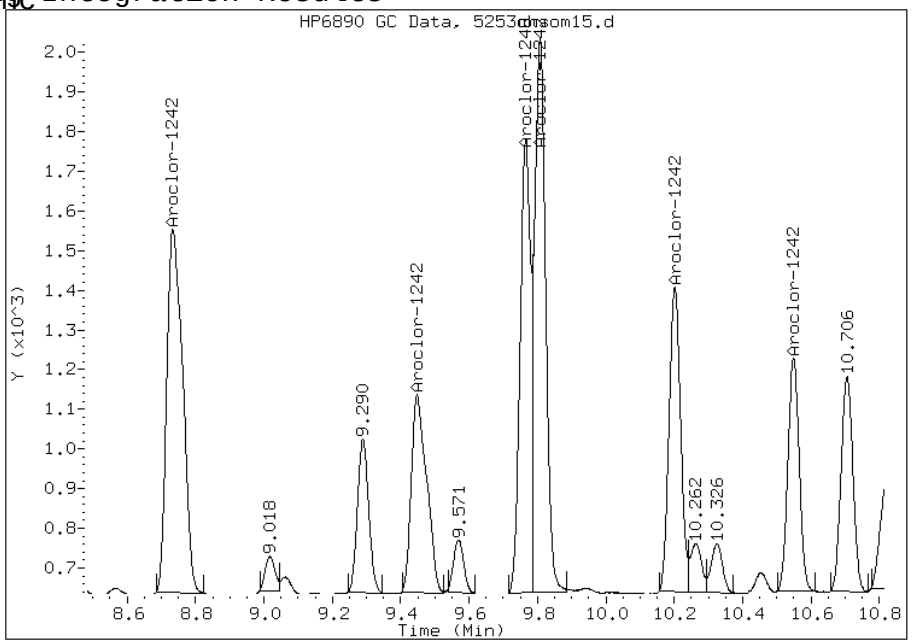
Manual Integration Report

Data File: 5253chsom15.d
Lab Sample ID: IC-492084
Inj. Date and Time: 13-AUG-2013 19:42
Instrument ID: 5253_2.i
Client ID: AR12422S1
Compound: 3 Aroclor-1242
CAS #: 53469-21-9
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
8.73	916*	0.20
9.45	498*	0.21
9.81	1398*	0.19
10.20	768*	0.20
10.55	587*	0.20

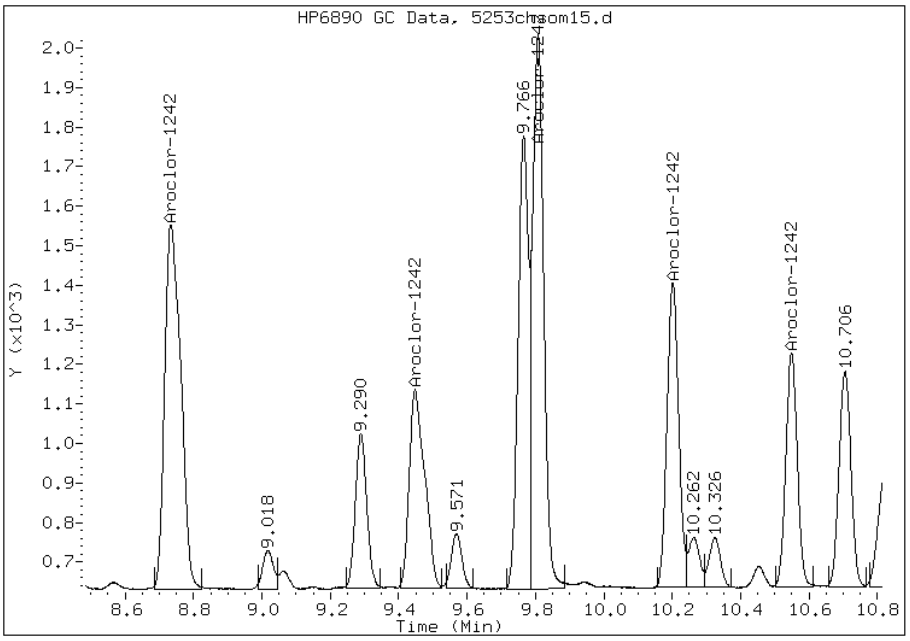
Final Conc		0.20



Manual Integration Results

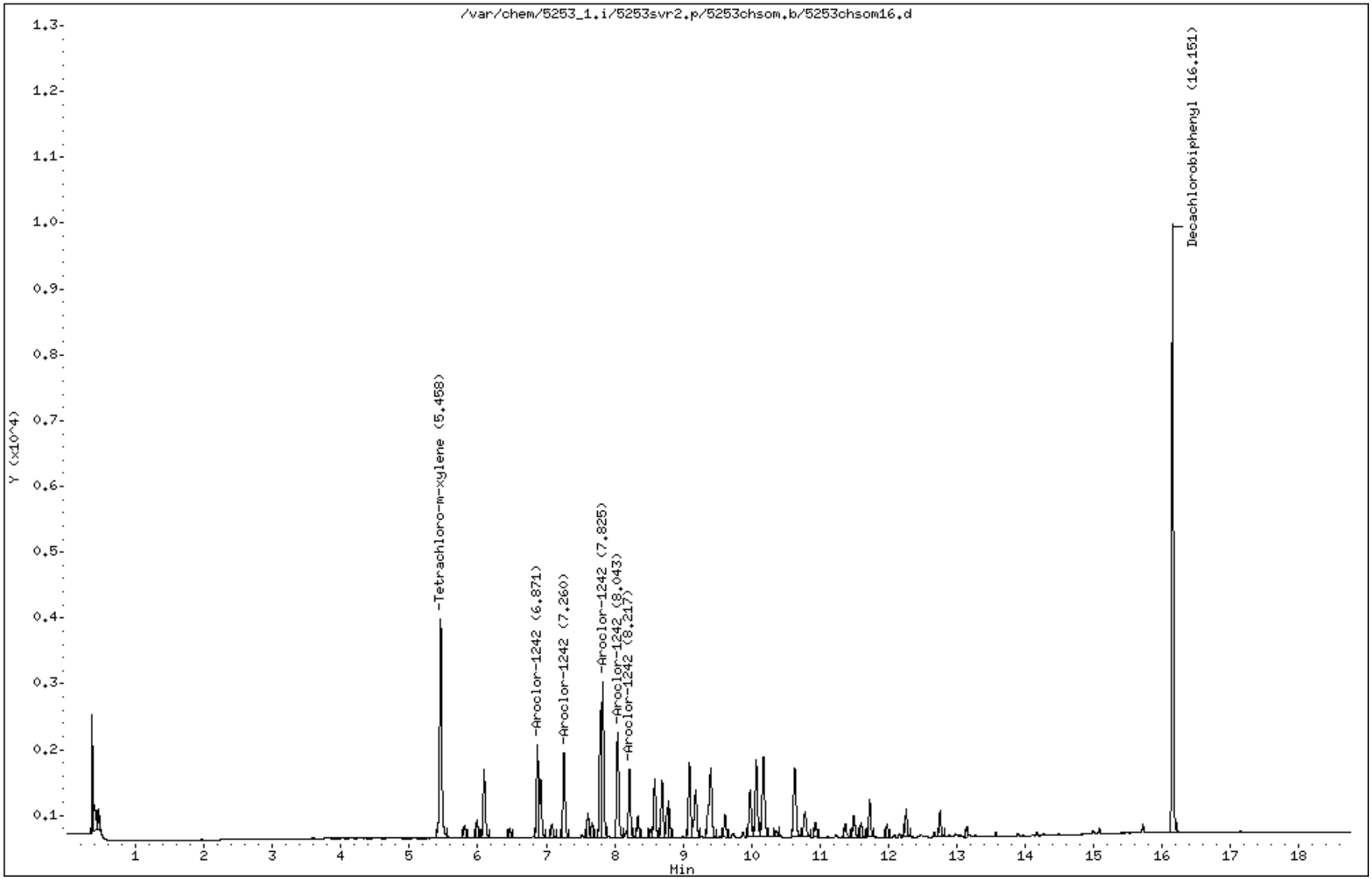
RT	Response	Conc
8.73	921*	0.21
9.45	502*	0.21
9.81	1404*	0.20
10.20	770*	0.20
10.55	592*	0.20

Final Conc		0.20

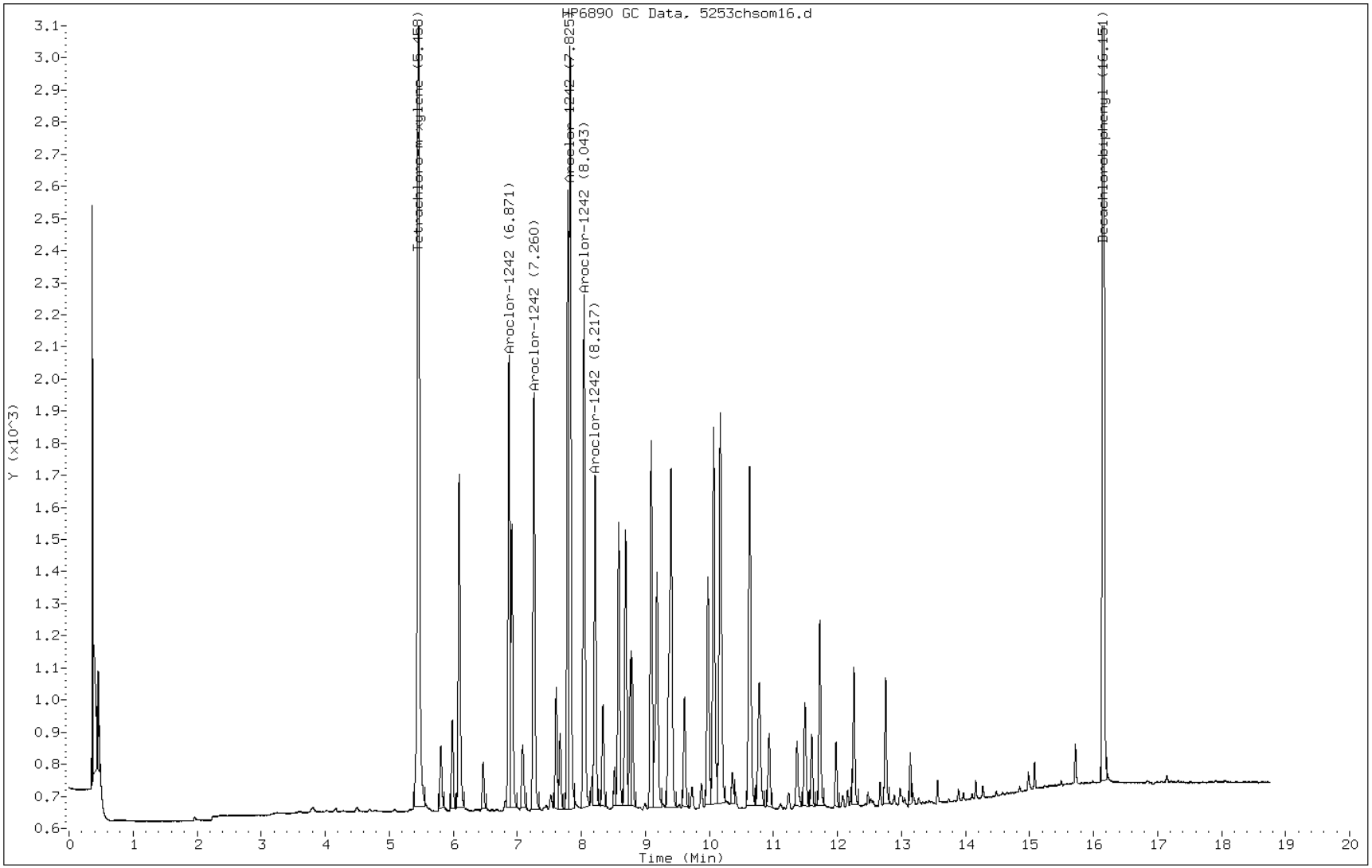


File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom16.d
Date : 13-AUG-2013 20:07
Client ID: AR12423S1
Instrument: 5253_1.i
Sample Info: IC-540888,1,AR12423S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File:	5253chsom16.d	Date:	13-AUG-2013 20:07
Client ID:	AR12423S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-540888,1,AR12423S1		



TestAmerica Burlington

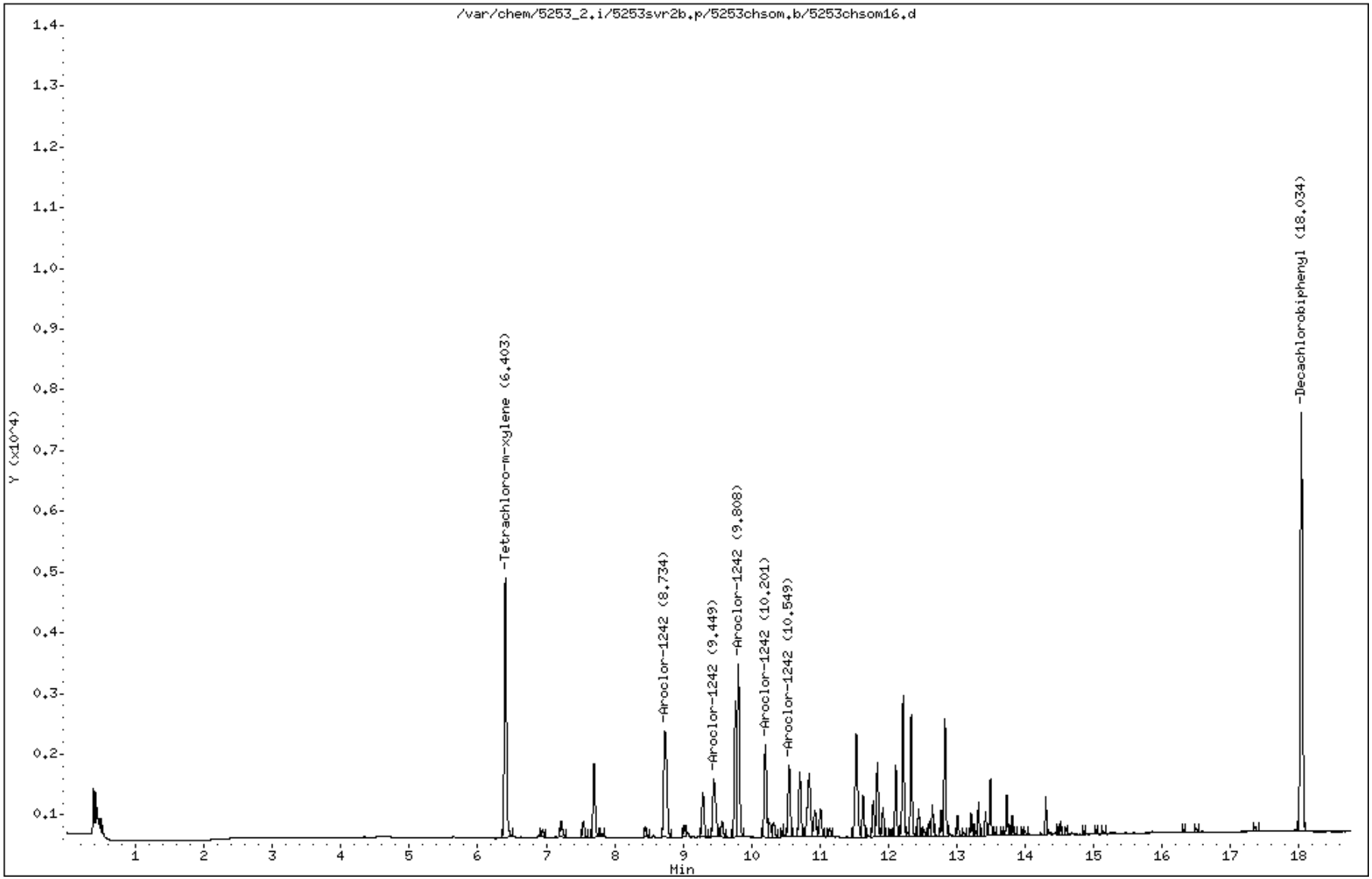
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom16.d
Lab Smp Id: IC-540888 Client Smp ID: AR12423S1
Inj Date : 13-AUG-2013 20:07
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-540888,1,AR12423S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

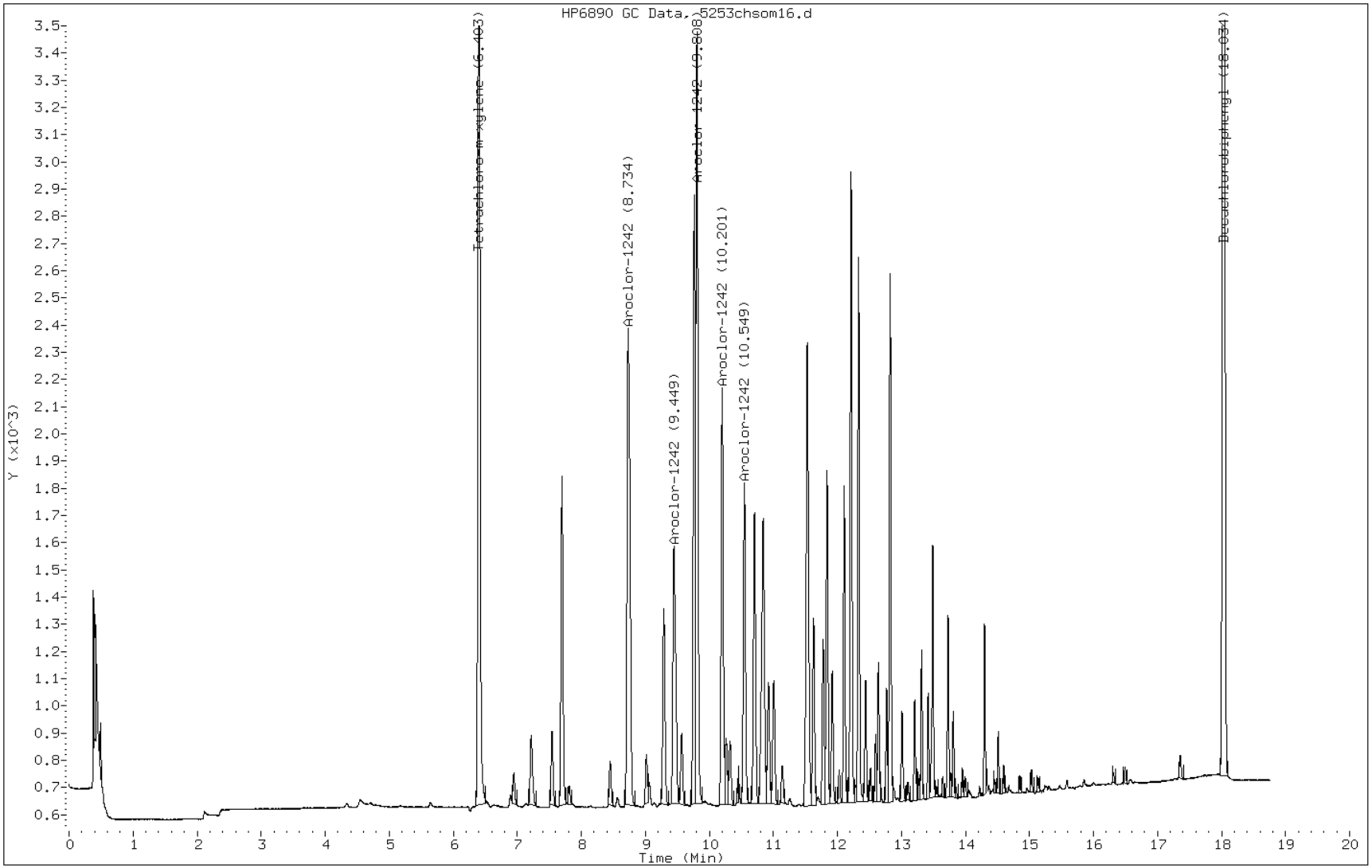
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3325	0.02000	0.01903	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
6.871	6.871	0.000	1408	0.40000	0.3931	80.00- 120.00	100.00
7.260	7.260	0.000	1298	0.40000	0.3950	76.75- 116.75	92.19
7.825	7.827	-0.002	2375	0.40000	0.3880	25.18- 65.18	168.68
8.043	8.041	0.002	1598	0.40000	0.3954	28.37- 68.37	113.49
8.217	8.219	-0.002	1030	0.40000	0.3932	25.12- 65.12	73.15
Average of Peak Amounts =					0.393		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	9242	0.04000	0.03653	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom16.d
Date : 13-AUG-2013 20:07
Client ID: AR12423S1
Instrument: 5253_2.i
Sample Info: IC-540888,1,AR12423S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File:	5253chsom16.d	Date:	13-AUG-2013 20:07
Client ID:	AR12423S1	Instrument:	5253_2.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-540888,1,AR12423S1		



Data File: 5253chsom16.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

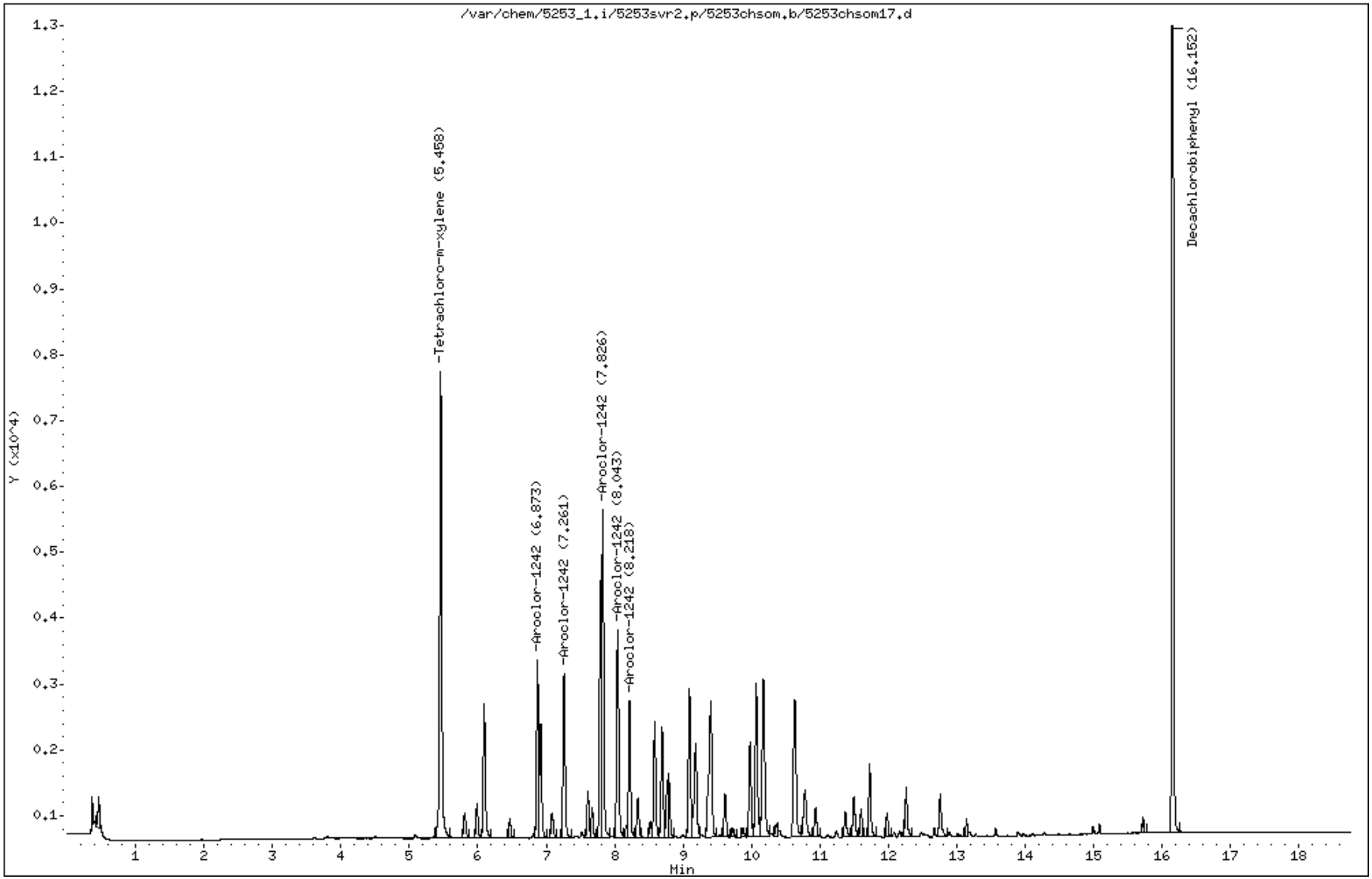
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom16.d
Lab Smp Id: IC-540888 Client Smp ID: AR12423S1
Inj Date : 13-AUG-2013 20:07
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-540888,1,AR12423S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4271	0.02000	0.01977	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
8.734	8.731	0.003	1754	0.40000	0.3906	80.00- 120.00	100.00
9.449	9.449	0.000	947	0.40000	0.3901	76.75- 116.75	53.99
9.808	9.809	-0.001	2839	0.40000	0.3958	25.18- 65.18	161.86
10.201	10.201	0.000	1531	0.40000	0.3916	28.37- 68.37	87.29
10.549	10.549	0.000	1177	0.40000	0.3915	25.12- 65.12	67.10
Average of Peak Amounts =					0.392		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	6891	0.04000	0.03814	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom17.d
Date : 13-AUG-2013 20:32
Client ID: AR1242481
Instrument: 5253_1.i
Sample Info: IC-492082,1,AR1242481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom17.d
Lab Smp Id: IC-492082 Client Smp ID: AR12424S1
Inj Date : 13-AUG-2013 20:32
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492082,1,AR12424S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.458	5.458	0.000	7073	0.04000	0.04048	80.00- 120.00	100.00(M)
3 Aroclor-1242						CAS #: 53469-21-9	
6.873	6.871	0.002	2692	0.80000	0.7516	80.00- 120.00	100.00(M)
7.261	7.260	0.001	2490	0.80000	0.7577	76.75- 116.75	92.50
7.826	7.827	-0.001	4975	0.80000	0.8128	25.18- 65.18	184.81
8.043	8.041	0.002	3144	0.80000	0.7779	28.37- 68.37	116.79
8.218	8.219	-0.001	2062	0.80000	0.7871	25.12- 65.12	76.60
Average of Peak Amounts =					0.777		
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3	
16.152	16.151	0.001	19143	0.08000	0.07567	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

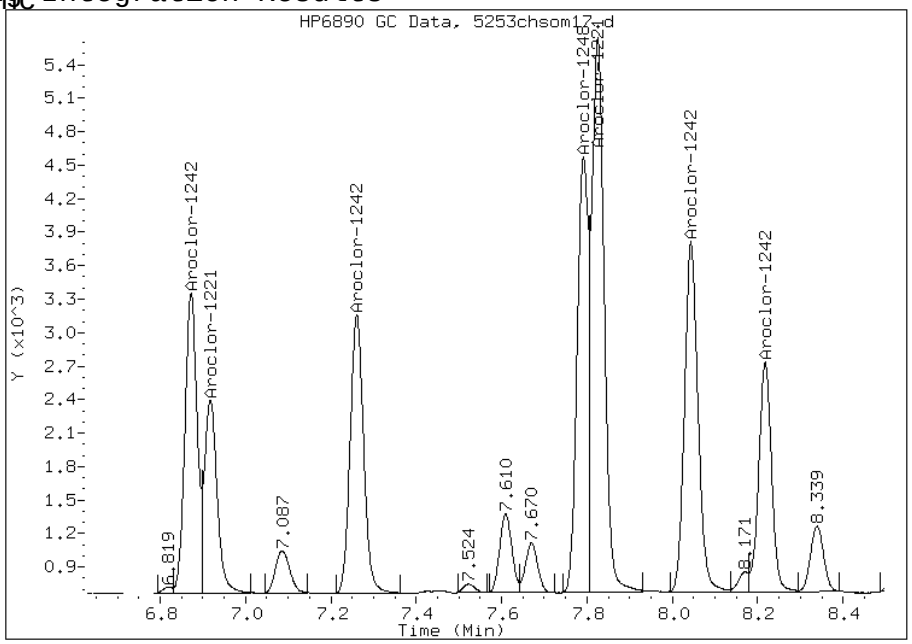
Manual Integration Report

Data File: 5253chsom17.d
Lab Sample ID: IC-492082
Inj. Date and Time: 13-AUG-2013 20:32
Instrument ID: 5253_1.i
Client ID: AR12424S1
Compound: 3 Aroclor-1242
CAS #: 53469-21-9
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	2689*	0.75
7.26	2493*	0.76
7.83	4965*	0.81
8.04	3135*	0.78
8.22	2055*	0.78

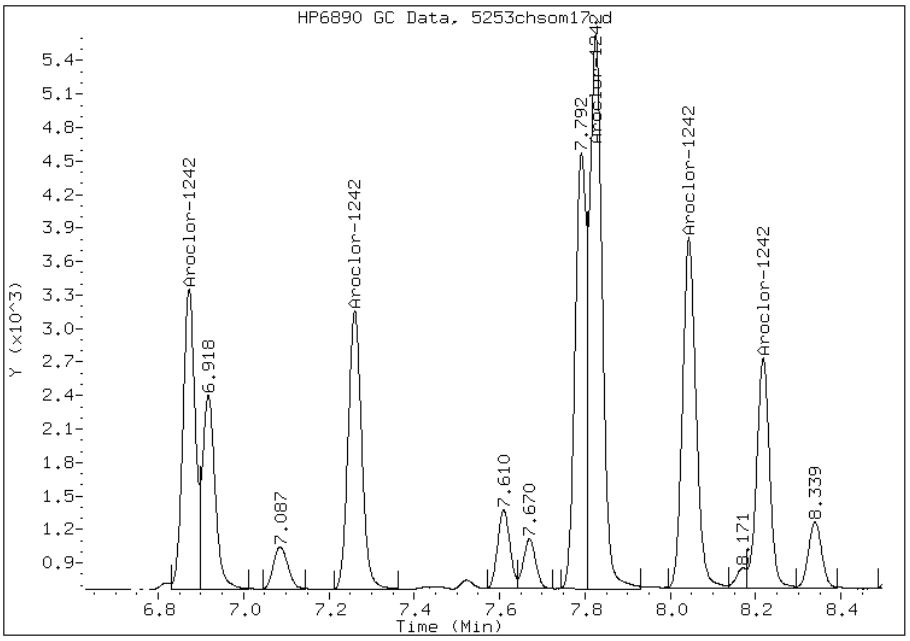
Final Conc		0.78



Manual Integration Results

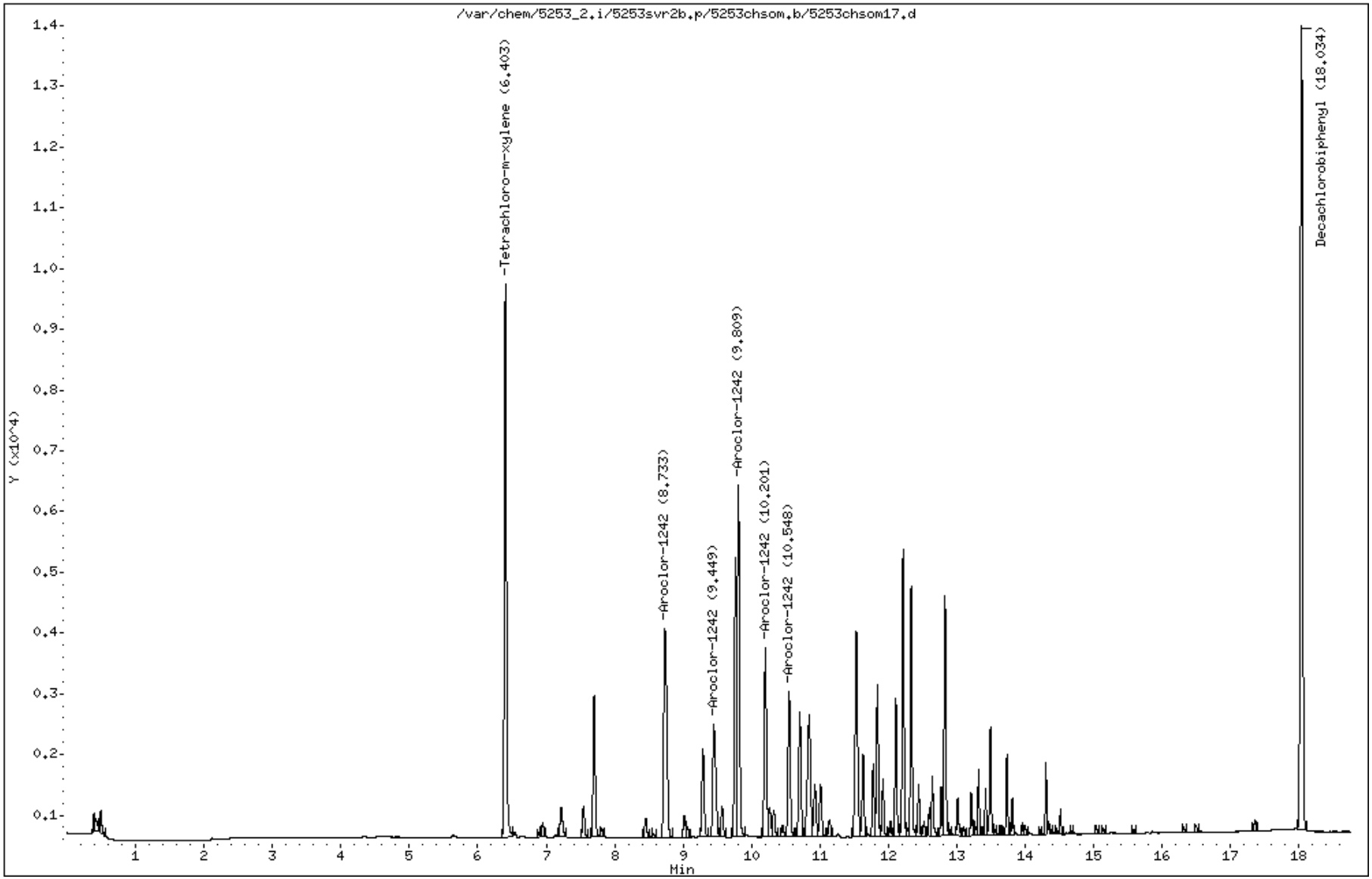
RT	Response	Conc
6.87	2692*	0.75
7.26	2490*	0.76
7.83	4975*	0.81
8.04	3144*	0.78
8.22	2062*	0.79

Final Conc		0.78



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom17.d
Date : 13-AUG-2013 20:32
Client ID: AR1242481
Instrument: 5253_2.i
Sample Info: IC-492082,1,AR1242481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom17.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

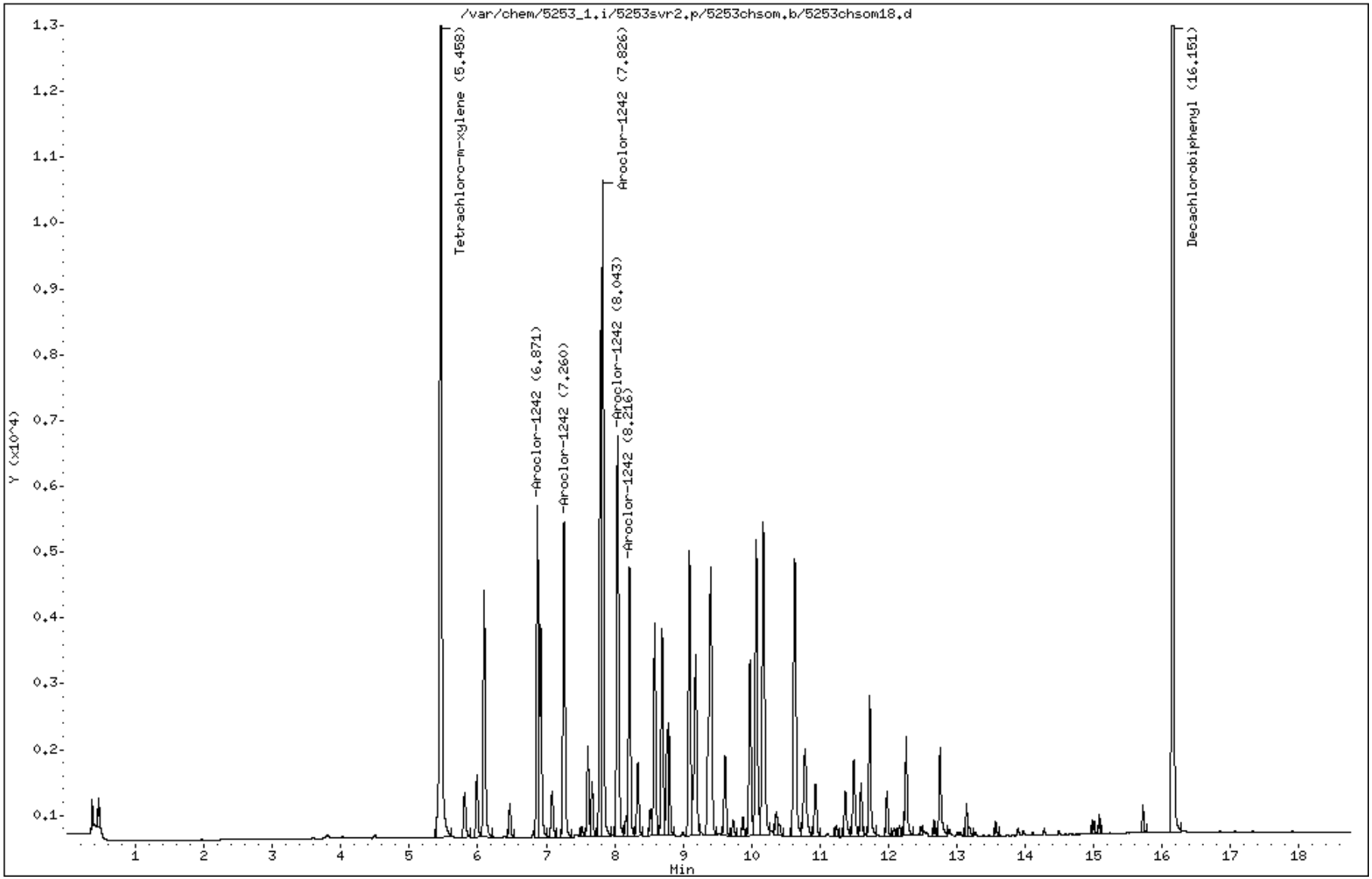
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom17.d
Lab Smp Id: IC-492082 Client Smp ID: AR12424S1
Inj Date : 13-AUG-2013 20:32
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492082,1,AR12424S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	9092	0.04000	0.04208	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
8.733	8.731	0.002	3444	0.80000	0.7670	80.00- 120.00	100.00
9.449	9.449	0.000	1857	0.80000	0.7650	76.75- 116.75	53.92
9.809	9.809	0.000	5782	0.80000	0.8061	25.18- 65.18	167.89
10.201	10.201	0.000	3111	0.80000	0.7958	28.37- 68.37	90.33
10.548	10.549	-0.001	2386	0.80000	0.7937	25.12- 65.12	69.28
Average of Peak Amounts =					0.786		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	14137	0.08000	0.07824	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom18.d
Date : 13-AUG-2013 20:56
Client ID: AR12425S1
Instrument: 5253_1.i
Sample Info: IC-495555,1,AR12425S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

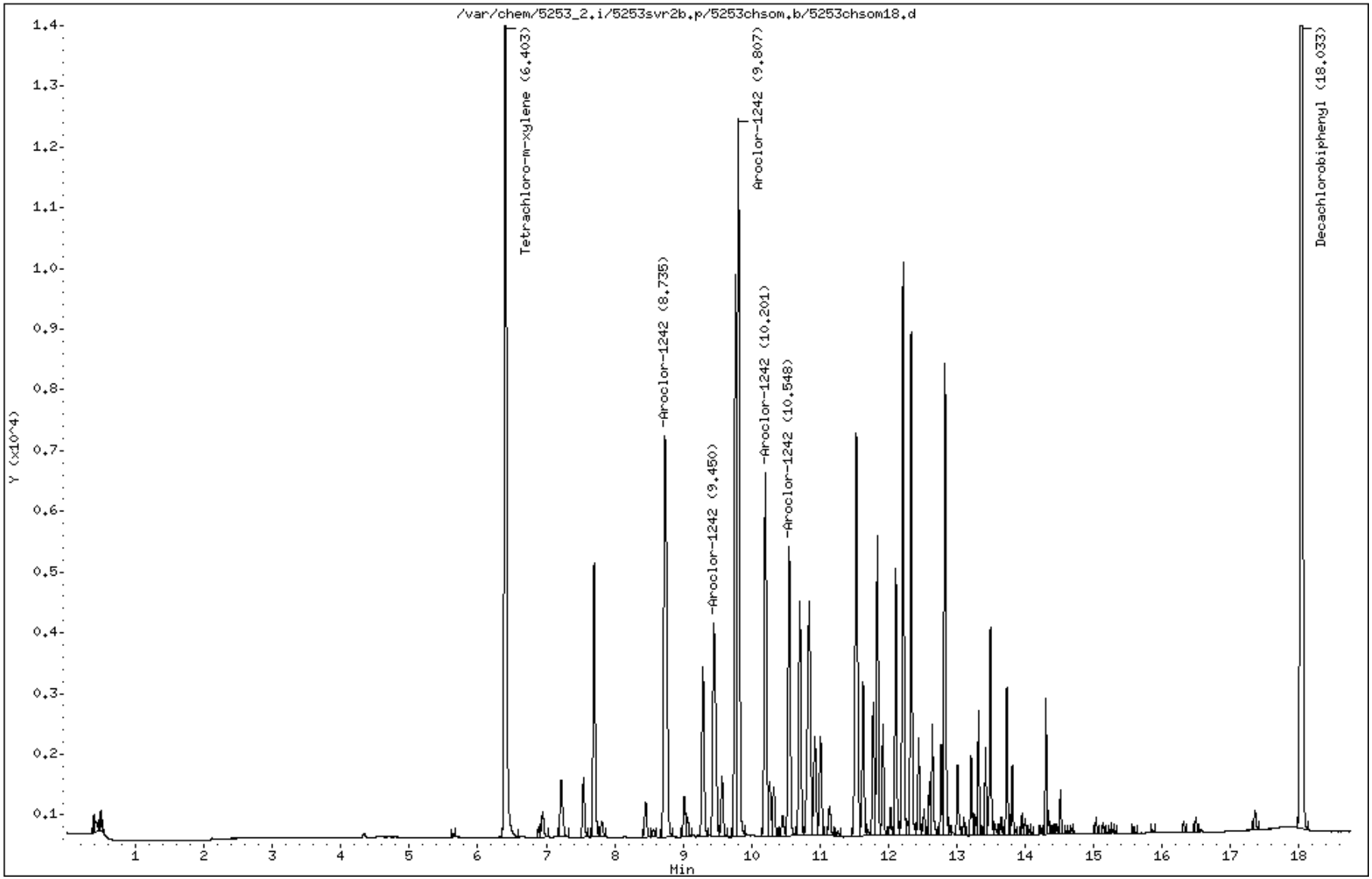
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom18.d
Lab Smp Id: IC-495555 Client Smp ID: AR12425S1
Inj Date : 13-AUG-2013 20:56
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-495555,1,AR12425S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 18 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	14381	0.08000	0.08230	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
6.871	6.871	0.000	5036	1.60000	1.406	80.00- 120.00	100.00
7.260	7.260	0.000	4798	1.60000	1.460	76.75- 116.75	95.27
7.826	7.827	-0.001	9957	1.60000	1.627	25.18- 65.18	197.72
8.043	8.041	0.002	6076	1.60000	1.503	28.37- 68.37	120.65
8.216	8.219	-0.003	4089	1.60000	1.561	25.12- 65.12	81.20
Average of Peak Amounts =					1.51		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	37760	0.16000	0.1493	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom18.d
Date : 13-AUG-2013 20:56
Client ID: AR12425S1
Instrument: 5253_2.i
Sample Info: IC-495555,1,AR12425S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom18.d
Report Date: 14-Aug-2013 16:20

TestAmerica Burlington

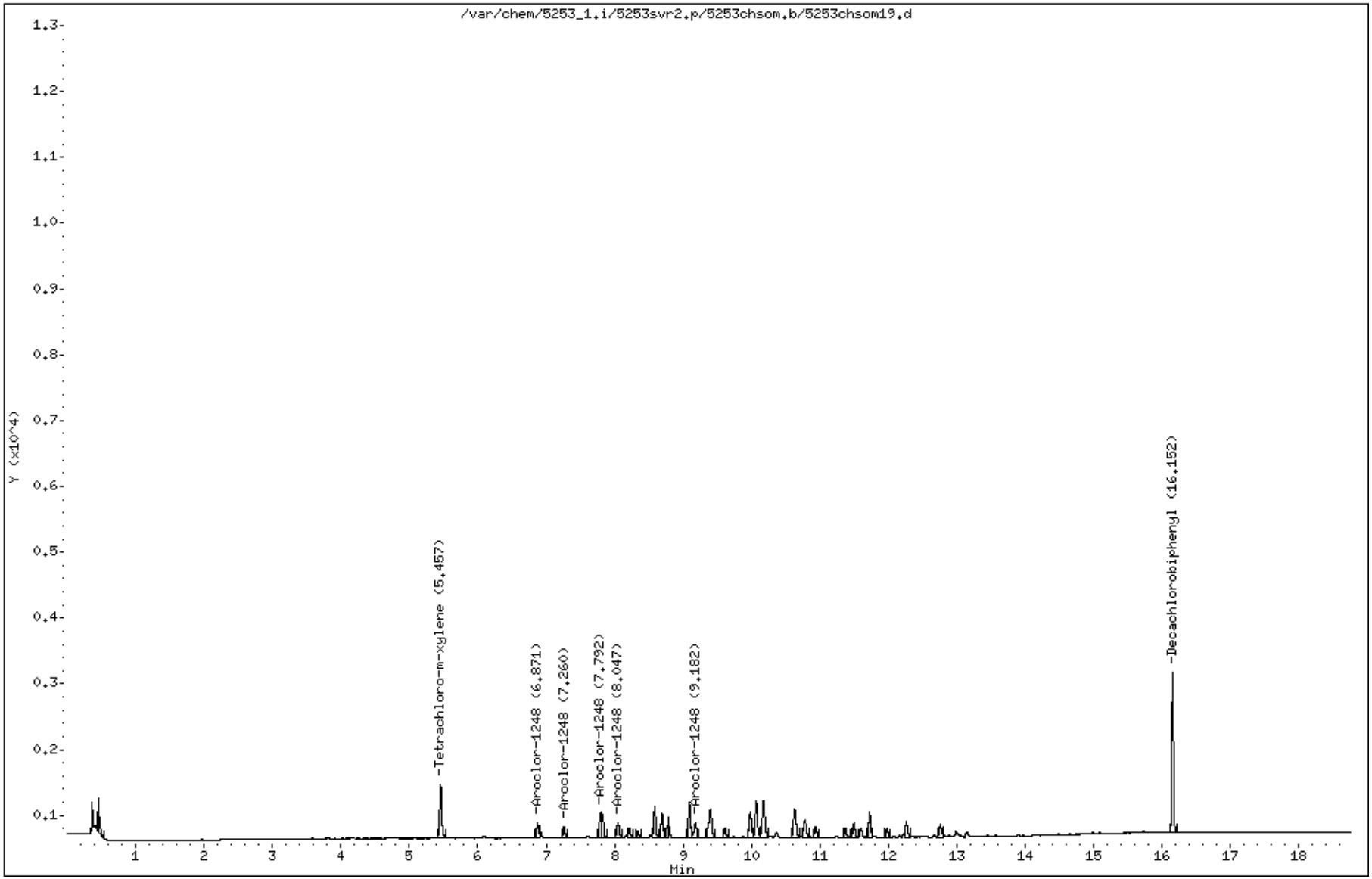
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom18.d
Lab Smp Id: IC-495555 Client Smp ID: AR12425S1
Inj Date : 13-AUG-2013 20:56
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-495555,1,AR12425S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 18 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

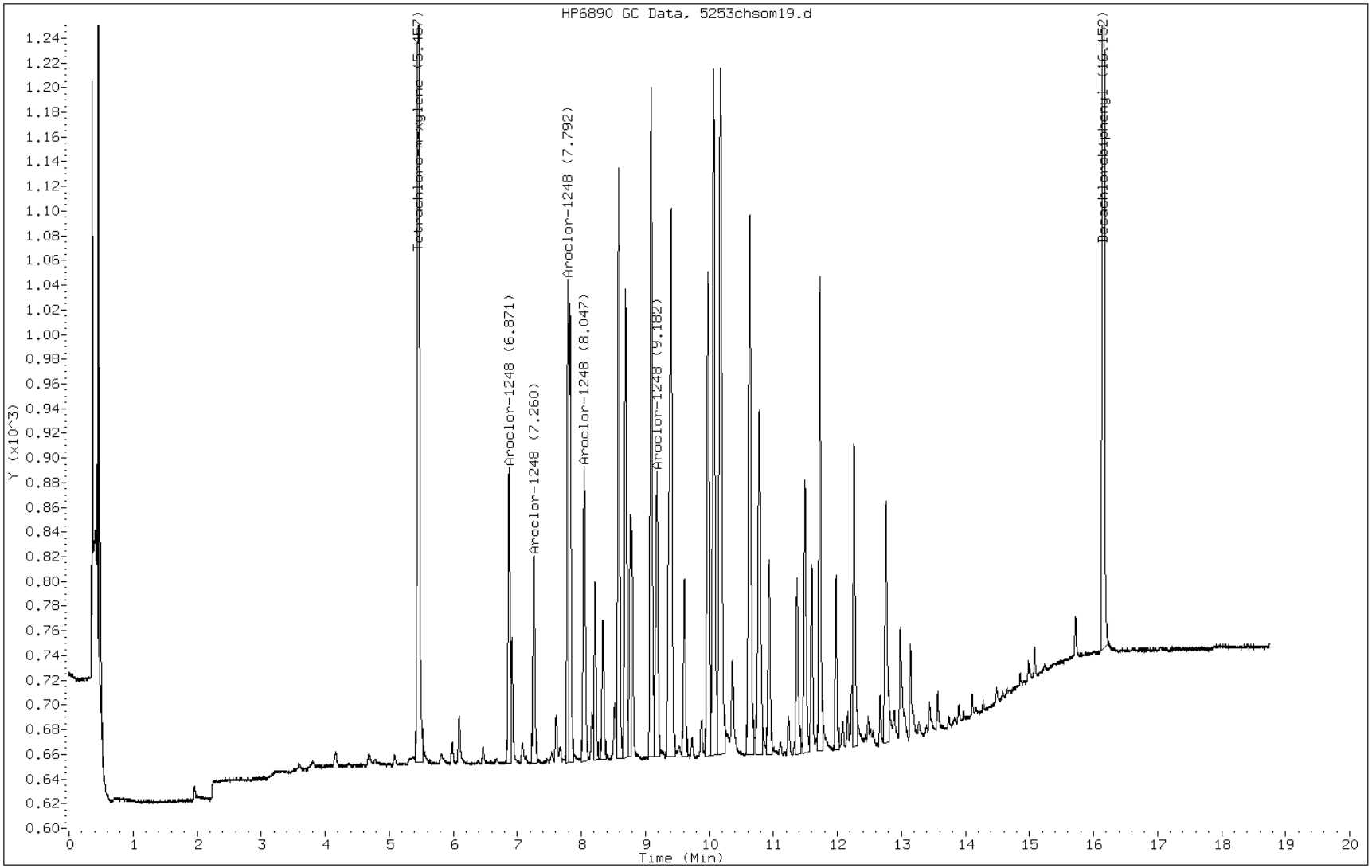
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	18784	0.08000	0.08694	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
8.735	8.731	0.004	6617	1.60000	1.474	80.00- 120.00	100.00
9.450	9.449	0.001	3517	1.60000	1.449	76.75- 116.75	53.15
9.807	9.809	-0.002	11822	1.60000	1.648	25.18- 65.18	178.66
10.201	10.201	0.000	5999	1.60000	1.535	28.37- 68.37	90.66
10.548	10.549	-0.001	4762	1.60000	1.584	25.12- 65.12	71.97
Average of Peak Amounts =					1.54		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	28441	0.16000	0.1574	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom19.d
Date : 13-AUG-2013 21:21
Client ID: AR12481S1
Instrument: 5253_1.i
Sample Info: IC-492081,1,AR12481S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom19.d
Client ID: AR12481S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492081,1,AR12481S1

Date: 13-AUG-2013 21:21
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom19.d
Lab Smp Id: IC-492081 Client Smp ID: AR12481S1
Inj Date : 13-AUG-2013 21:21
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492081,1,AR12481S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	820	0.00500	0.004693	80.00- 120.00	100.00(M)
6 Aroclor-1248					CAS #: 12672-29-6		
6.871	6.870	0.001	239	0.10000	0.1151	80.00- 120.00	100.00(M)
7.259	7.260	-0.001	168	0.10000	0.1111	76.66- 116.66	70.29
7.791	7.790	0.001	391	0.10000	0.1066	78.35- 118.35	163.60
8.046	8.046	0.000	238	0.10000	0.1099	83.94- 123.94	99.58
9.181	9.181	0.000	231	0.10000	0.1087	53.70- 93.70	96.65
Average of Peak Amounts =					0.11		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	2440	0.01000	0.009646	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

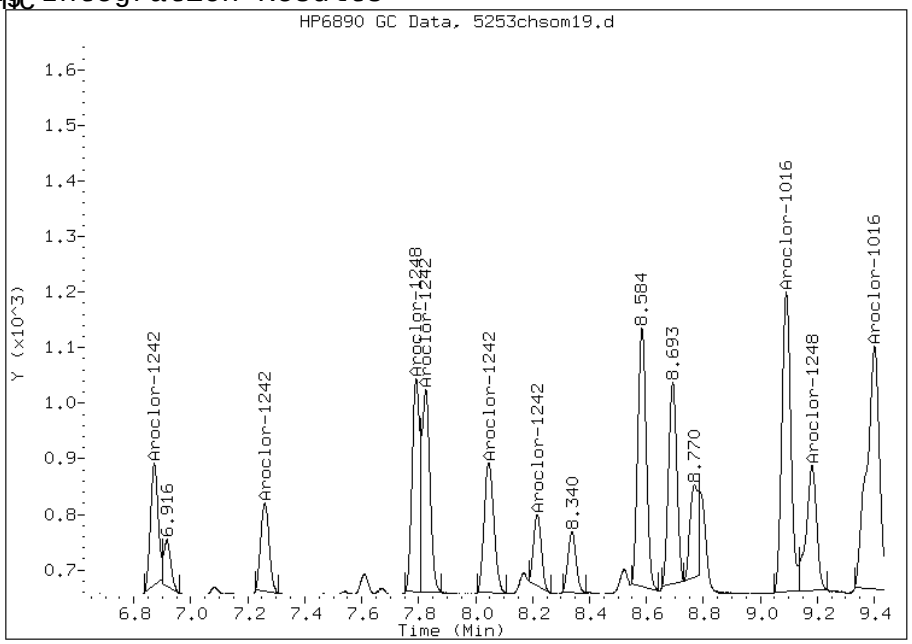
Manual Integration Report

Data File: 5253chsom19.d
Lab Sample ID: IC-492081
Inj. Date and Time: 13-AUG-2013 21:21
Instrument ID: 5253_1.i
Client ID: AR12481S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	220*	0.11
7.26	160*	0.11
7.79	384*	0.10
8.05	234*	0.11
9.18	227*	0.11

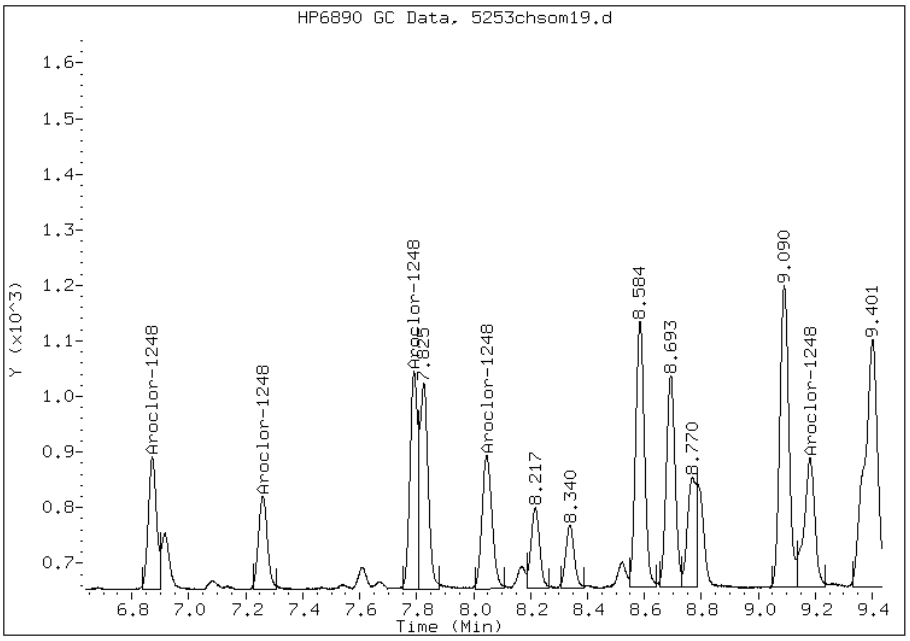
Final Conc		0.11



Manual Integration Results

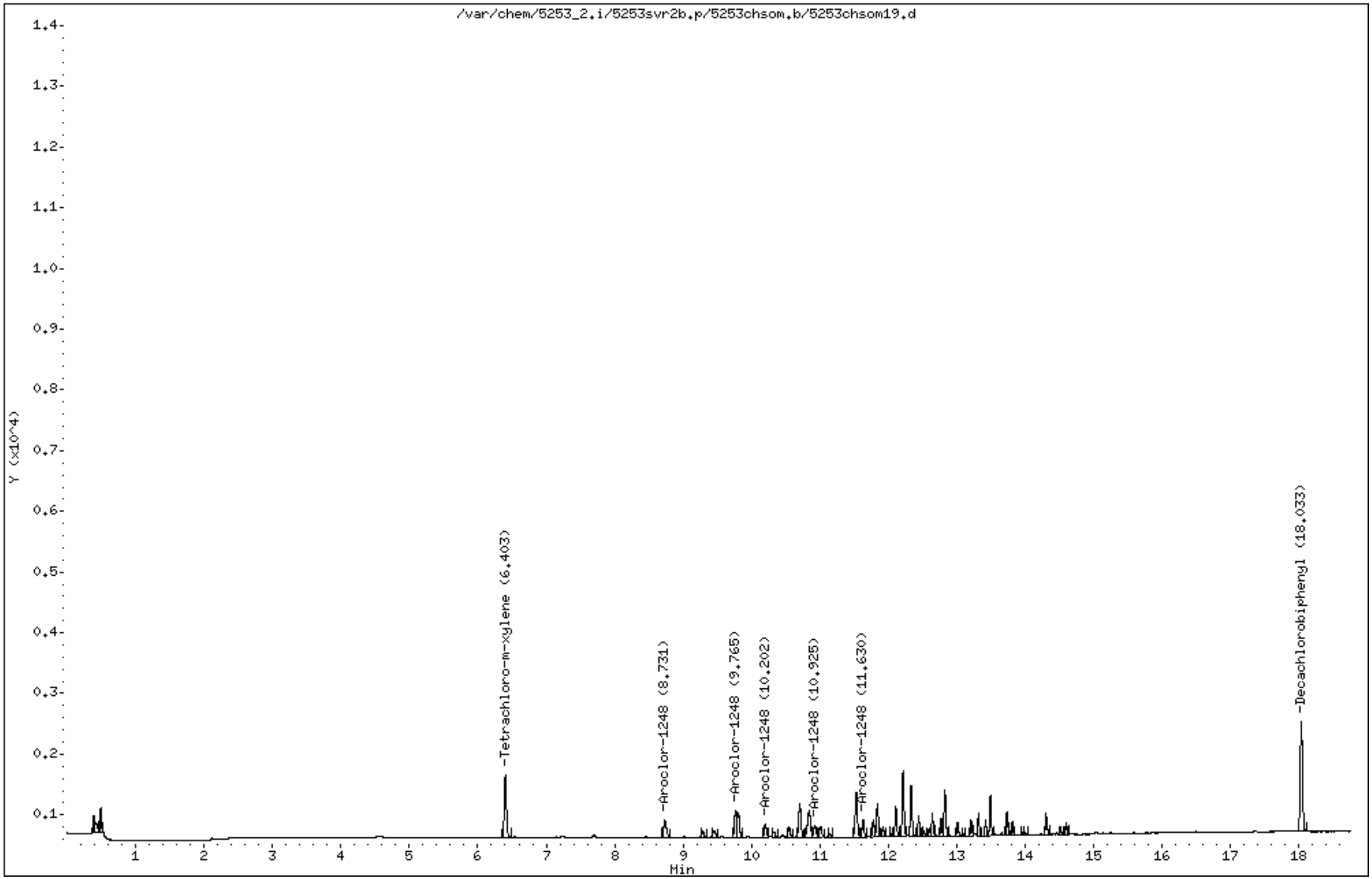
RT	Response	Conc
6.87	239*	0.12
7.26	168*	0.11
7.79	391*	0.11
8.05	238*	0.11
9.18	231*	0.11

Final Conc		0.11



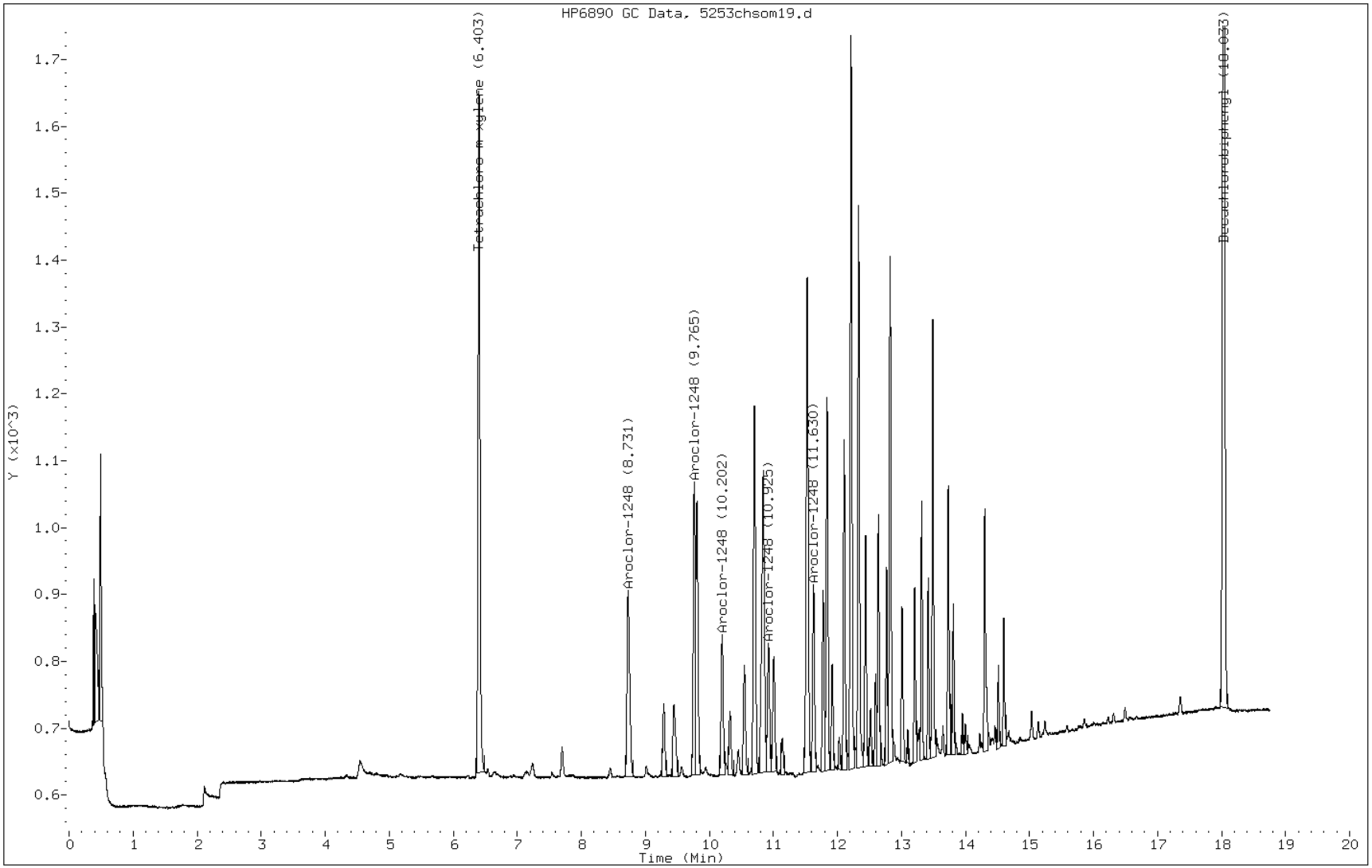
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom19.d
Date : 13-AUG-2013 21:21
Client ID: AR12481S1 Instrument: 5253_2.i
Sample Info: IC-492081,1,AR12481S1
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-35 Column diameter: 0.25



Data File: 5253chsom19.d
Client ID: AR12481S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492081,1,AR12481S1

Date: 13-AUG-2013 21:21
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom19.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom19.d
Lab Smp Id: IC-492081 Client Smp ID: AR12481S1
Inj Date : 13-AUG-2013 21:21
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492081,1,AR12481S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:20 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	1019	0.00500	0.004716	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.730	8.731	-0.001	278	0.10000	0.1144	80.00- 120.00	100.00(M)
9.765	9.763	0.002	438	0.10000	0.1049	76.66- 116.66	157.55
10.200	10.200	0.000	210	0.10000	0.1086	78.35- 118.35	75.54
10.923	10.925	-0.002	192	0.10000	0.1095	83.94- 123.94	69.06
11.629	11.630	-0.001	280	0.10000	0.1092	53.70- 93.70	100.72
Average of Peak Amounts =					0.109		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	1808	0.01000	0.01001	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

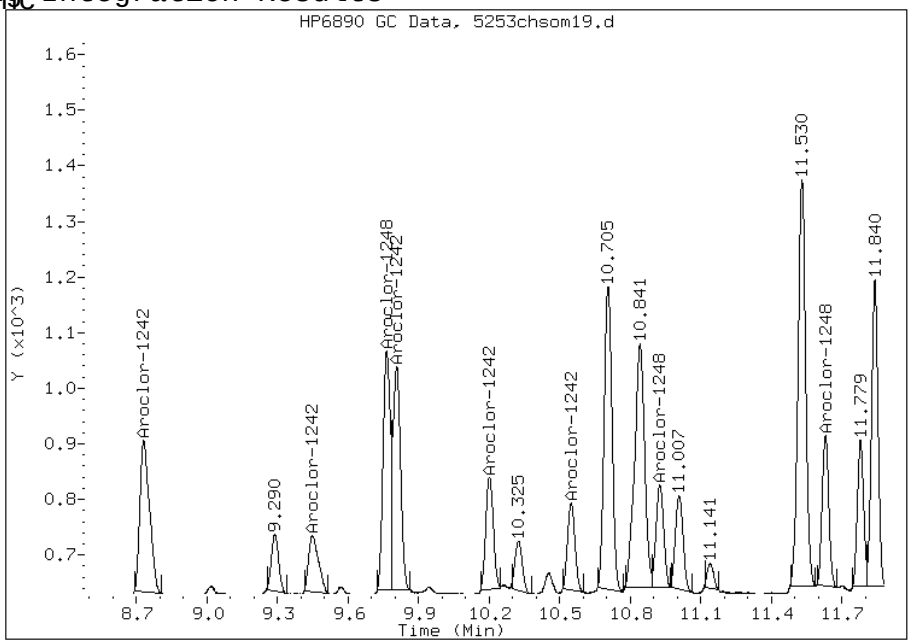
Manual Integration Report

Data File: 5253chsom19.d
Lab Sample ID: IC-492081
Inj. Date and Time: 13-AUG-2013 21:21
Instrument ID: 5253_2.i
Client ID: AR12481S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
8.73	273*	0.11
9.76	431*	0.10
10.20	203*	0.10
10.92	186*	0.11
11.63	271*	0.11

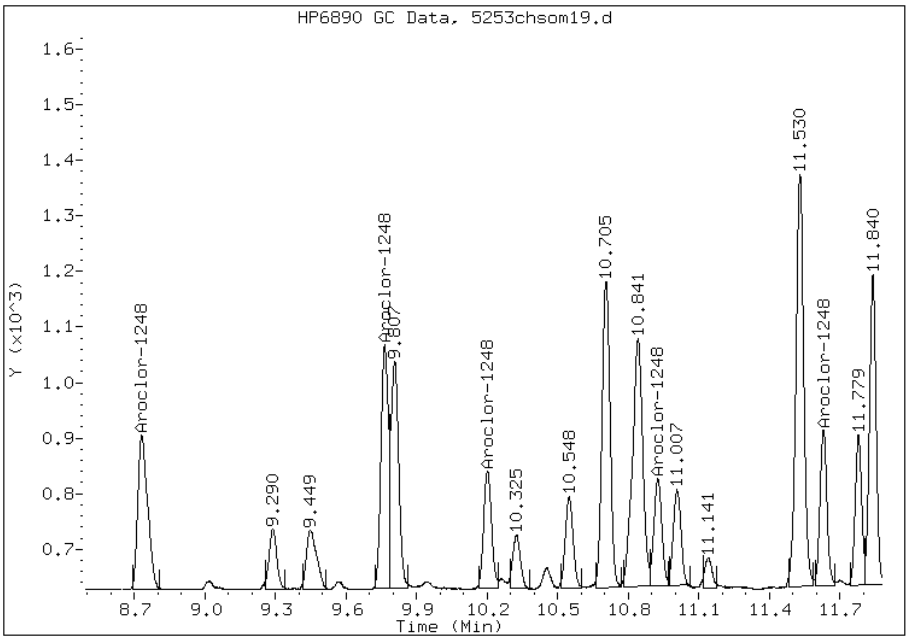
Final Conc		0.11



Manual Integration Results

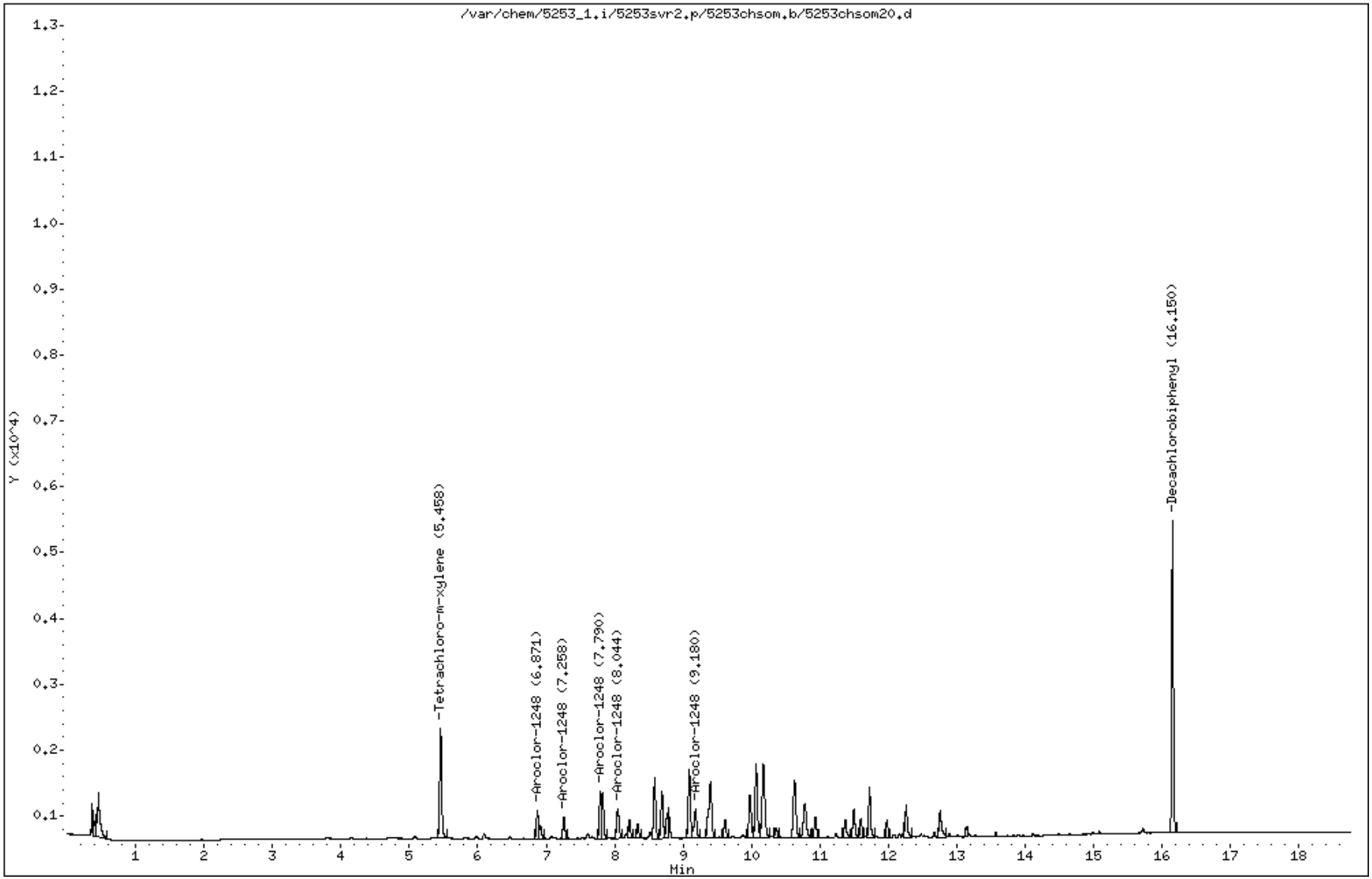
RT	Response	Conc
8.73	278*	0.11
9.76	438*	0.10
10.20	210*	0.11
10.92	192*	0.11
11.63	280*	0.11

Final Conc		0.11



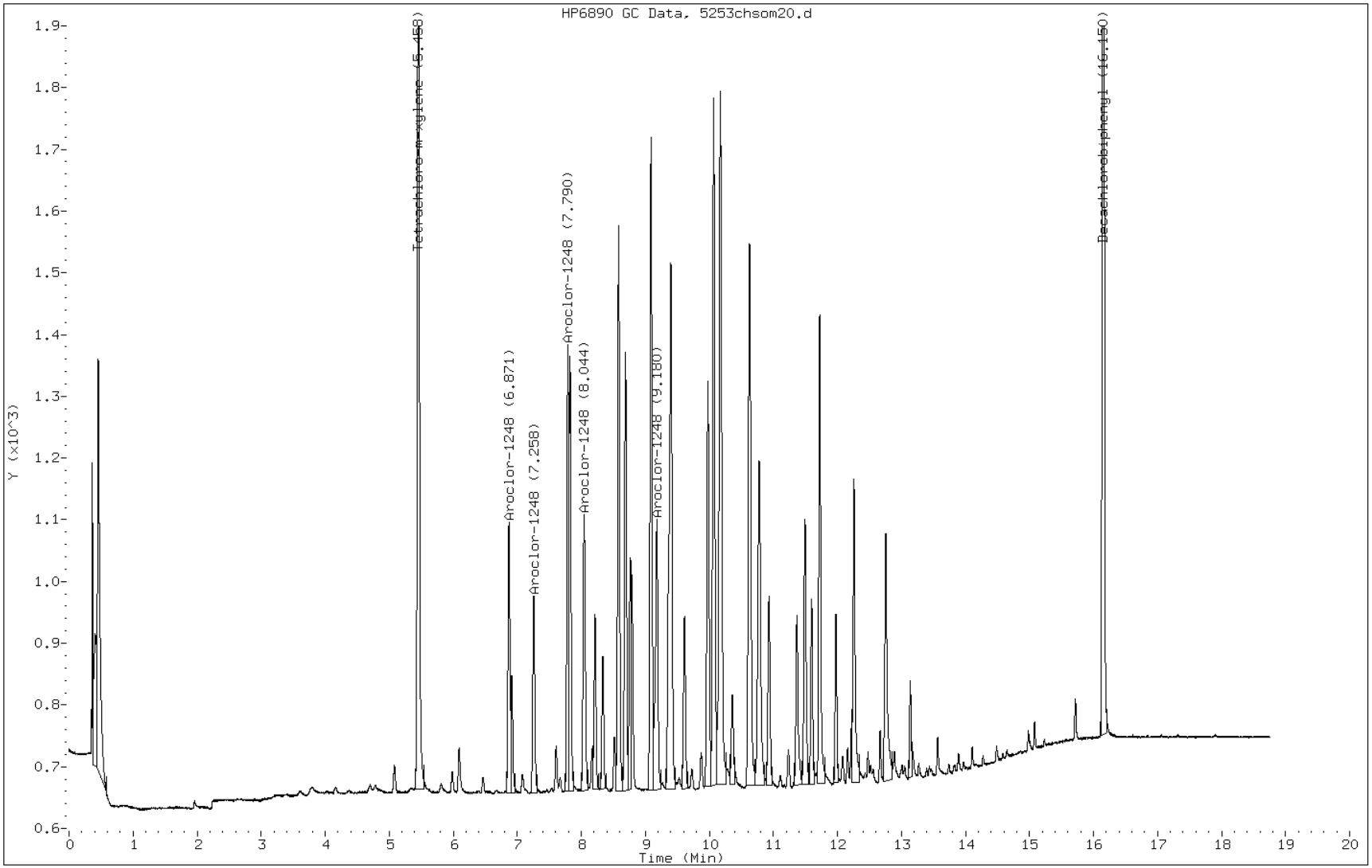
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom20.d
Date : 13-AUG-2013 21:46
Client ID: AR1248S1
Instrument: 5253_1.i
Sample Info: IC-492080,1,AR1248S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom20.d
Client ID: AR12482S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492080,1,AR12482S1

Date: 13-AUG-2013 21:46
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom20.d
Lab Smp Id: IC-492080 Client Smp ID: AR12482S1
Inj Date : 13-AUG-2013 21:46
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492080,1,AR12482S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	1660	0.01000	0.009500	80.00- 120.00	100.00(M)
6 Aroclor-1248					CAS #: 12672-29-6		
6.870	6.870	0.000	438	0.20000	0.2110	80.00- 120.00	100.00(M)
7.258	7.260	-0.002	319	0.20000	0.2110	76.66- 116.66	72.83
7.790	7.790	0.000	723	0.20000	0.1972	78.35- 118.35	165.07
8.043	8.046	-0.003	446	0.20000	0.2060	83.94- 123.94	101.83
9.180	9.181	-0.001	438	0.20000	0.2062	53.70- 93.70	100.00
Average of Peak Amounts =					0.206		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.150	16.151	-0.001	4740	0.02000	0.01874	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

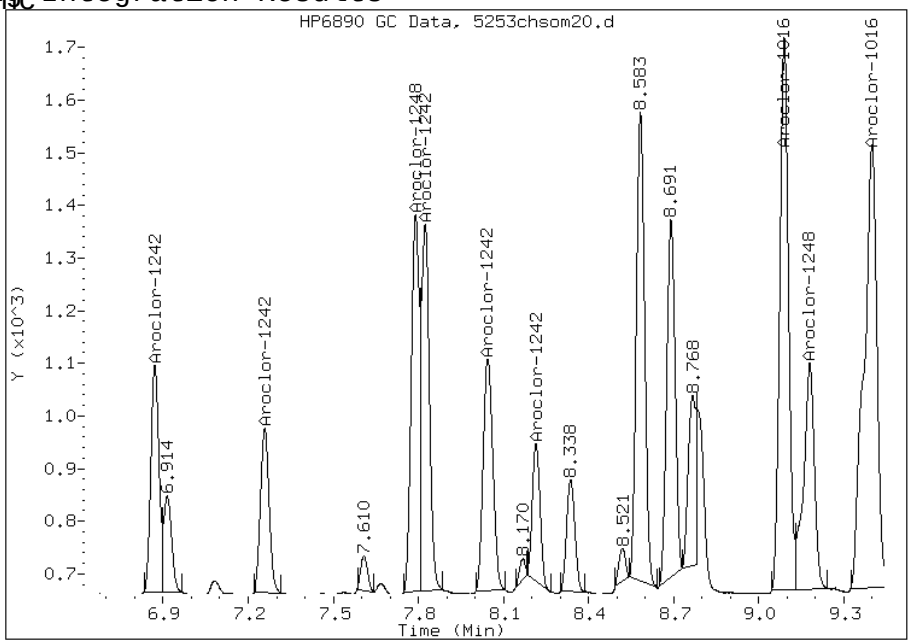
Manual Integration Report

Data File: 5253chsom20.d
Lab Sample ID: IC-492080
Inj. Date and Time: 13-AUG-2013 21:46
Instrument ID: 5253_1.i
Client ID: AR12482S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	430*	0.21
7.26	313*	0.21
7.79	717*	0.20
8.04	440*	0.20
9.18	430*	0.20

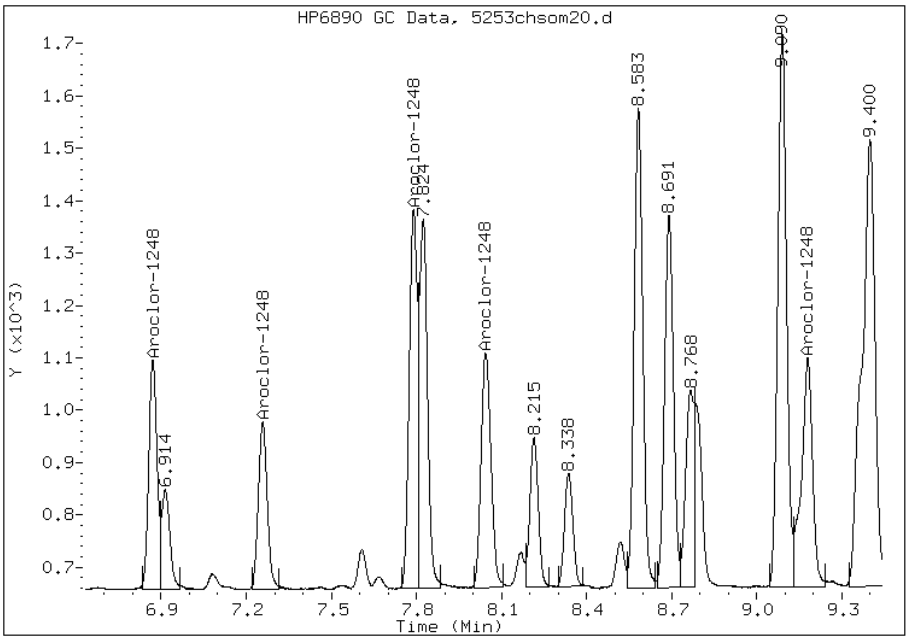
Final Conc		0.20



Manual Integration Results

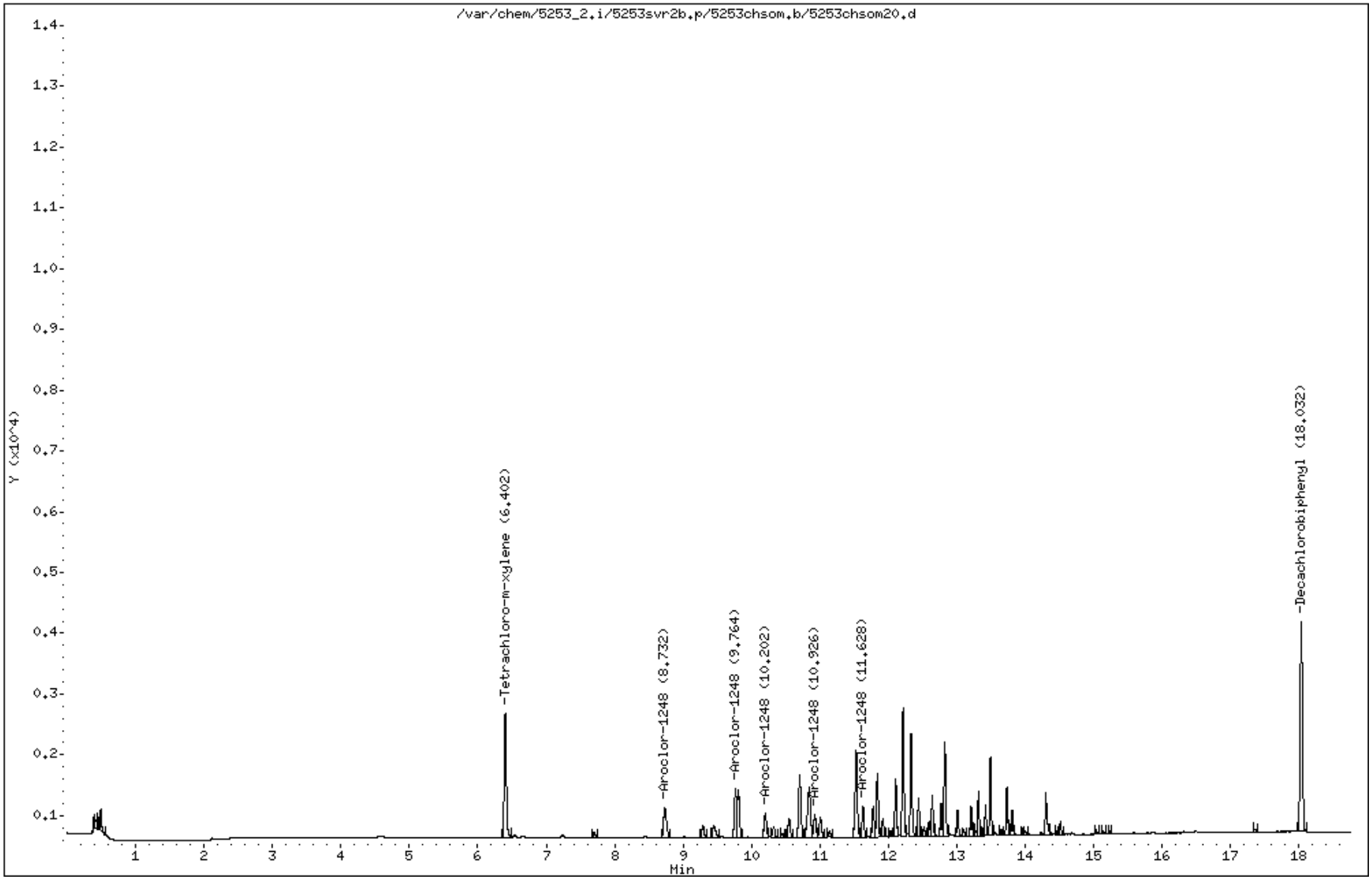
RT	Response	Conc
6.87	438*	0.21
7.26	319*	0.21
7.79	723*	0.20
8.04	446*	0.21
9.18	438*	0.21

Final Conc		0.21



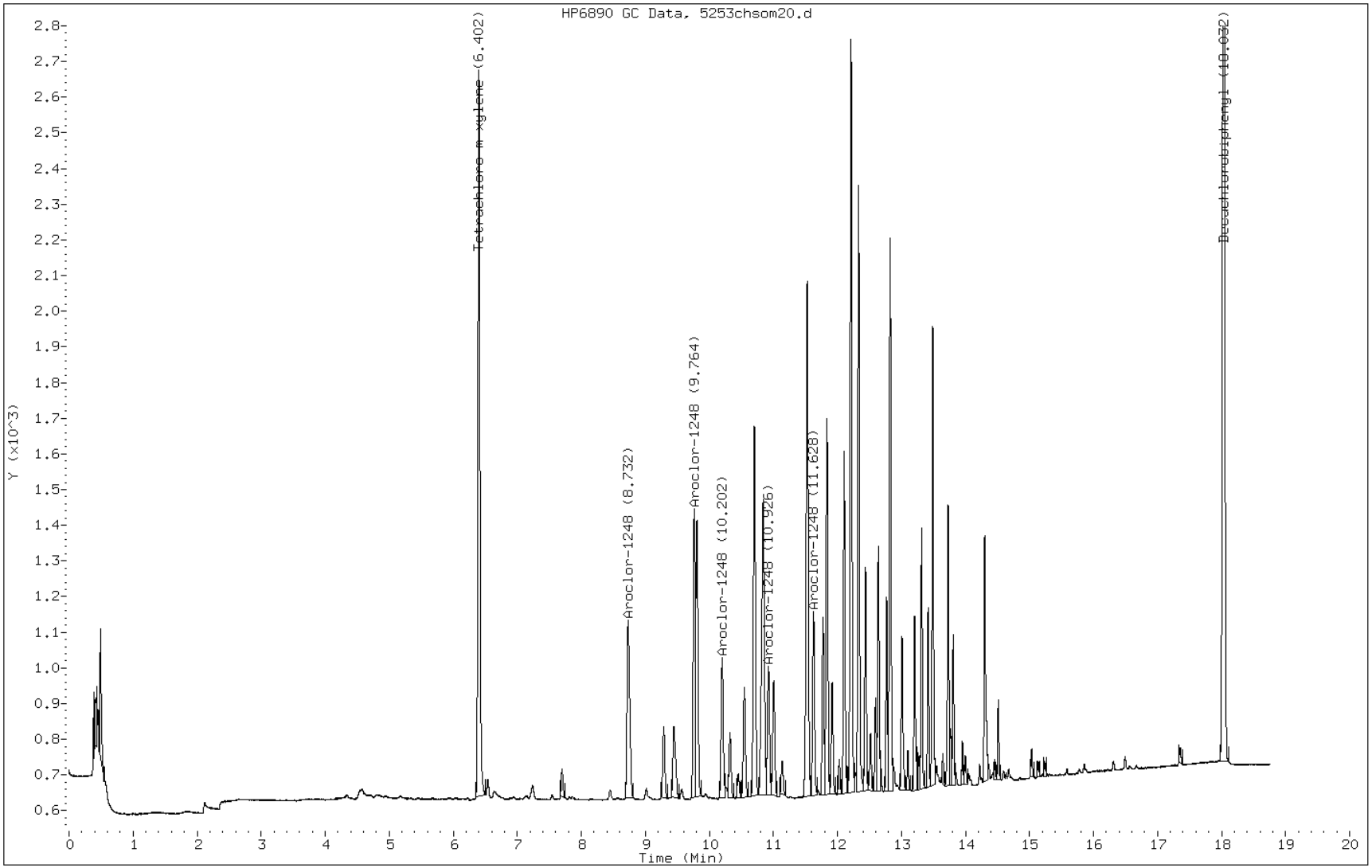
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom20.d
Date : 13-AUG-2013 21:46
Client ID: AR1248S1
Instrument: 5253_2.i
Sample Info: IC-492080,1,AR1248S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom20.d
Client ID: AR12482S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492080,1,AR12482S1

Date: 13-AUG-2013 21:46
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom20.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom20.d
Lab Smp Id: IC-492080 Client Smp ID: AR12482S1
Inj Date : 13-AUG-2013 21:46
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492080,1,AR12482S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	2036	0.01000	0.009424	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.732	8.731	0.001	498	0.20000	0.2050	80.00- 120.00	100.00(M)
9.764	9.763	0.001	807	0.20000	0.1934	76.66- 116.66	162.05
10.200	10.200	0.000	395	0.20000	0.2042	78.35- 118.35	79.32
10.926	10.925	0.001	362	0.20000	0.2064	83.94- 123.94	72.69
11.628	11.630	-0.002	516	0.20000	0.2013	53.70- 93.70	103.61
Average of Peak Amounts =					0.202		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	3458	0.02000	0.01914	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

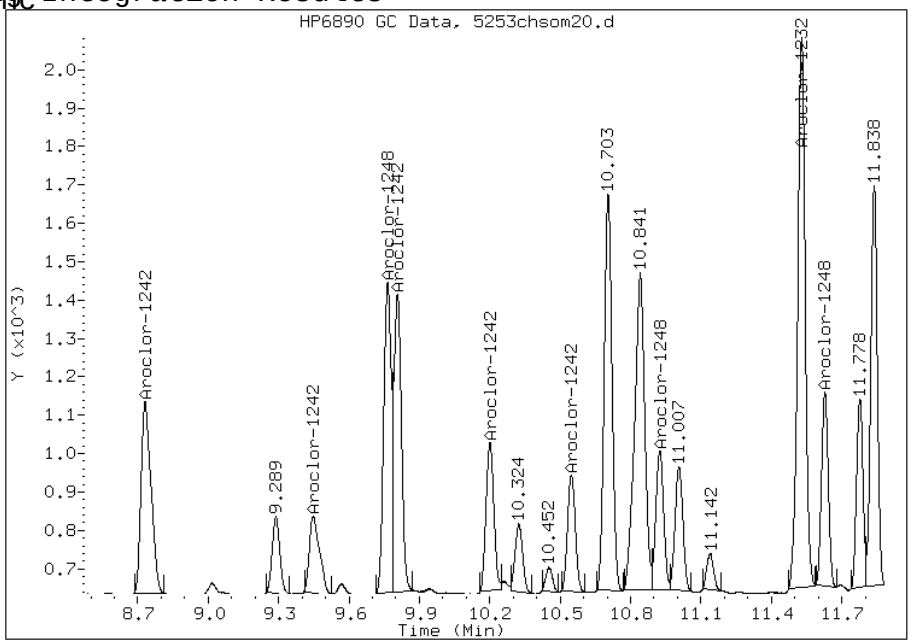
Manual Integration Report

Data File: 5253chsom20.d
Lab Sample ID: IC-492080
Inj. Date and Time: 13-AUG-2013 21:46
Instrument ID: 5253_2.i
Client ID: AR12482S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
8.73	498	0.20
9.76	807	0.19
10.20	388*	0.20
10.93	362	0.21
11.63	504*	0.20

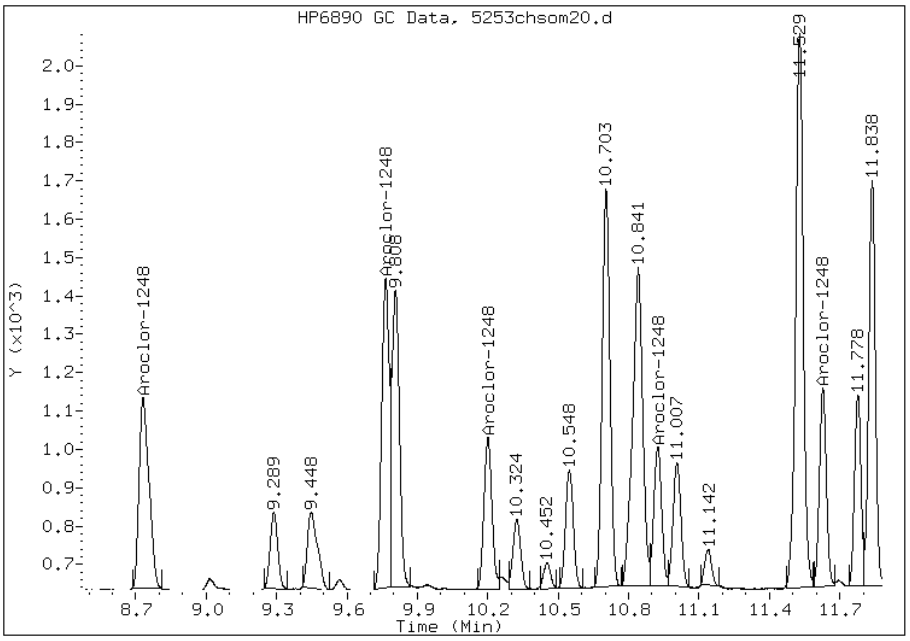
Final Conc		0.20



Manual Integration Results

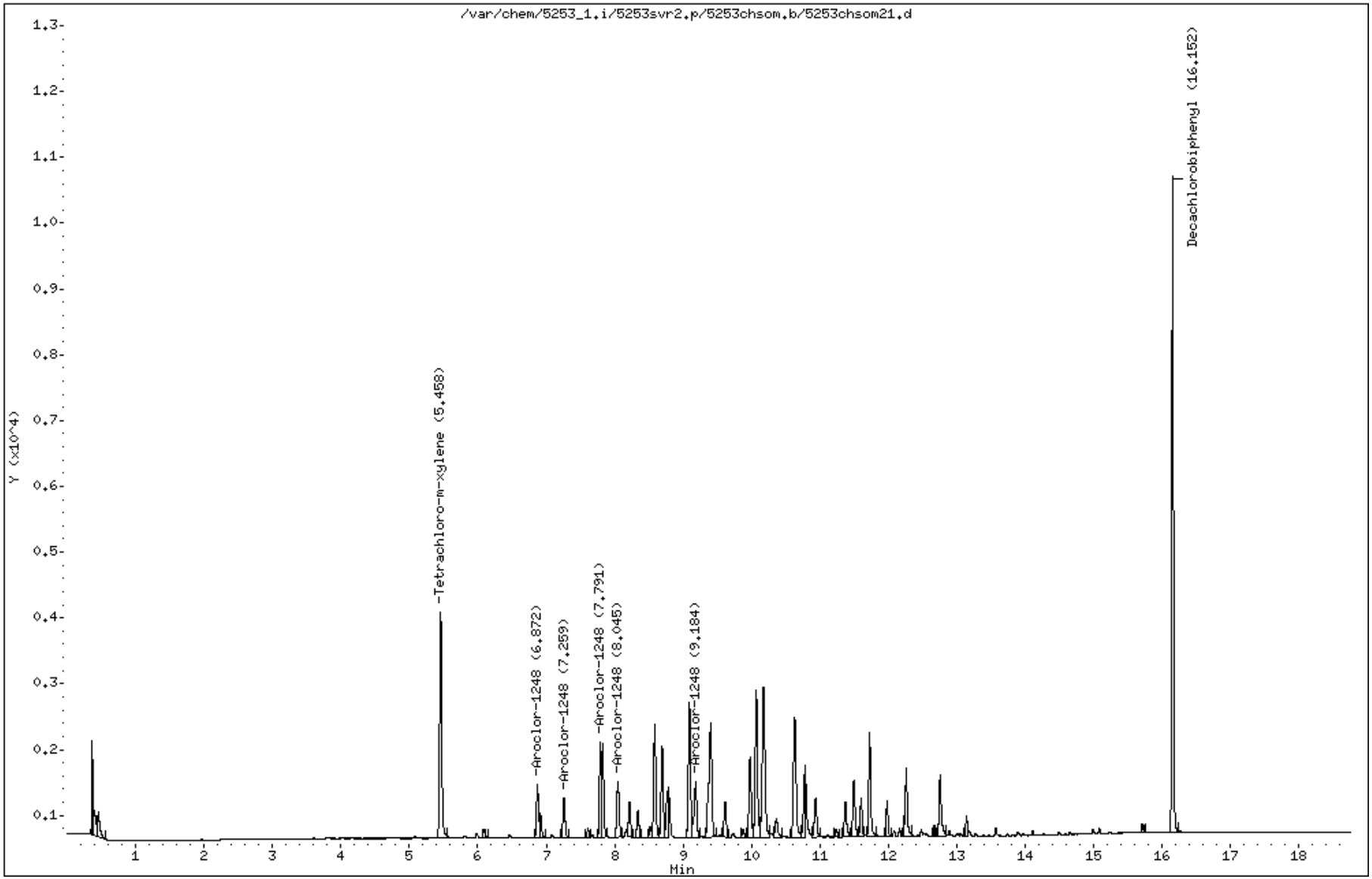
RT	Response	Conc
8.73	498	0.20
9.76	807	0.19
10.20	395*	0.20
10.93	362	0.21
11.63	516*	0.20

Final Conc		0.20



File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom21.d
Date : 13-AUG-2013 22:10
Client ID: AR12483S1
Instrument: 5253_1.i
Sample Info: IC-540889,1,AR12483S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

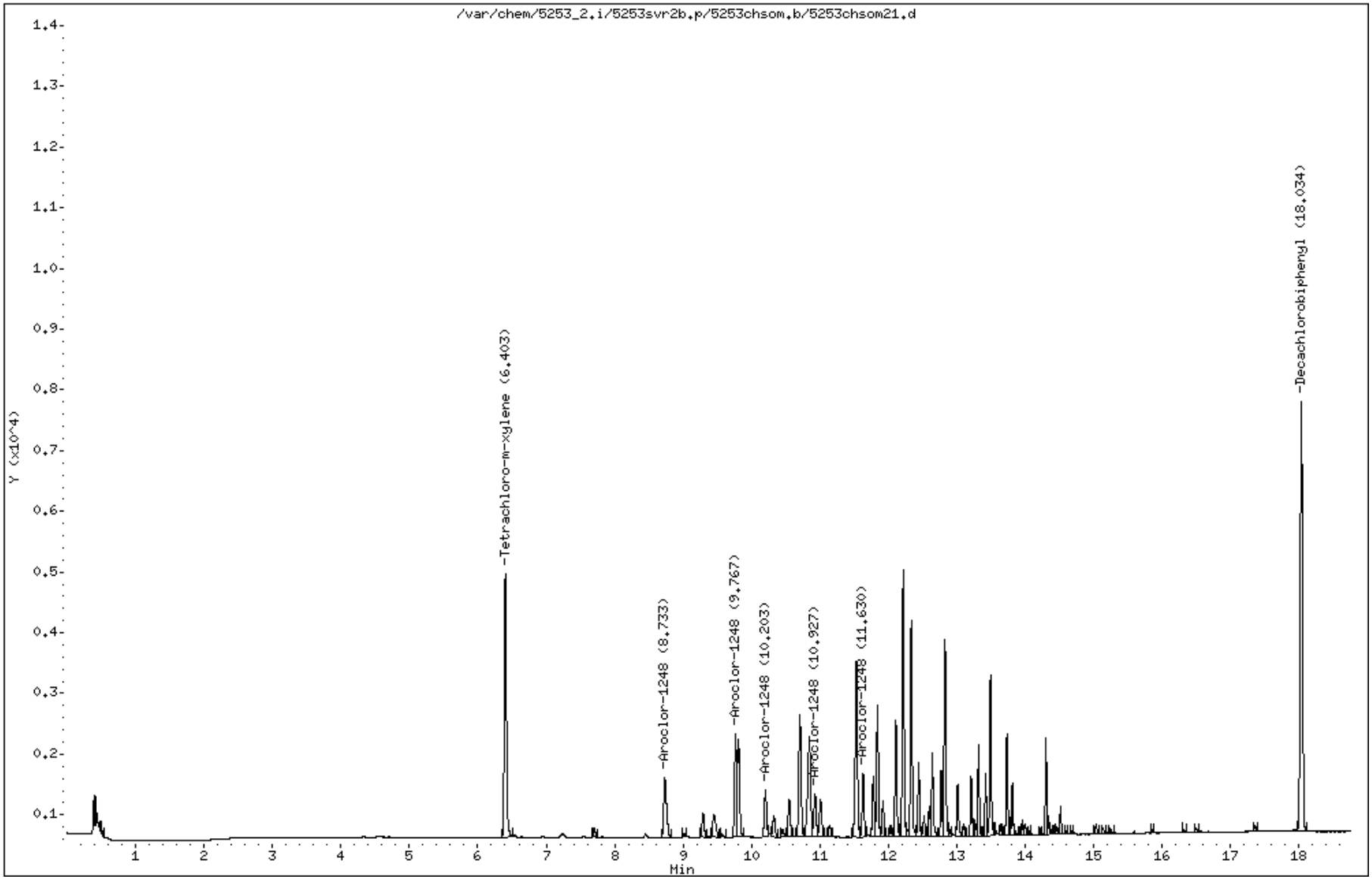
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom21.d
Lab Smp Id: IC-540889 Client Smp ID: AR12483S1
Inj Date : 13-AUG-2013 22:10
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-540889,1,AR12483S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3425	0.02000	0.01960	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
6.872	6.870	0.002	809	0.40000	0.3897	80.00- 120.00	100.00
7.259	7.260	-0.001	599	0.40000	0.3961	76.66- 116.66	74.04
7.791	7.790	0.001	1461	0.40000	0.3984	78.35- 118.35	180.59
8.045	8.046	-0.001	845	0.40000	0.3904	83.94- 123.94	104.45
9.184	9.181	0.003	842	0.40000	0.3964	53.70- 93.70	104.08
Average of Peak Amounts =					0.394		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	9968	0.04000	0.03940	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom21.d
Date : 13-AUG-2013 22:10
Client ID: AR12483S1
Instrument: 5253_2.i
Sample Info: IC-540889,1,AR12483S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom21.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

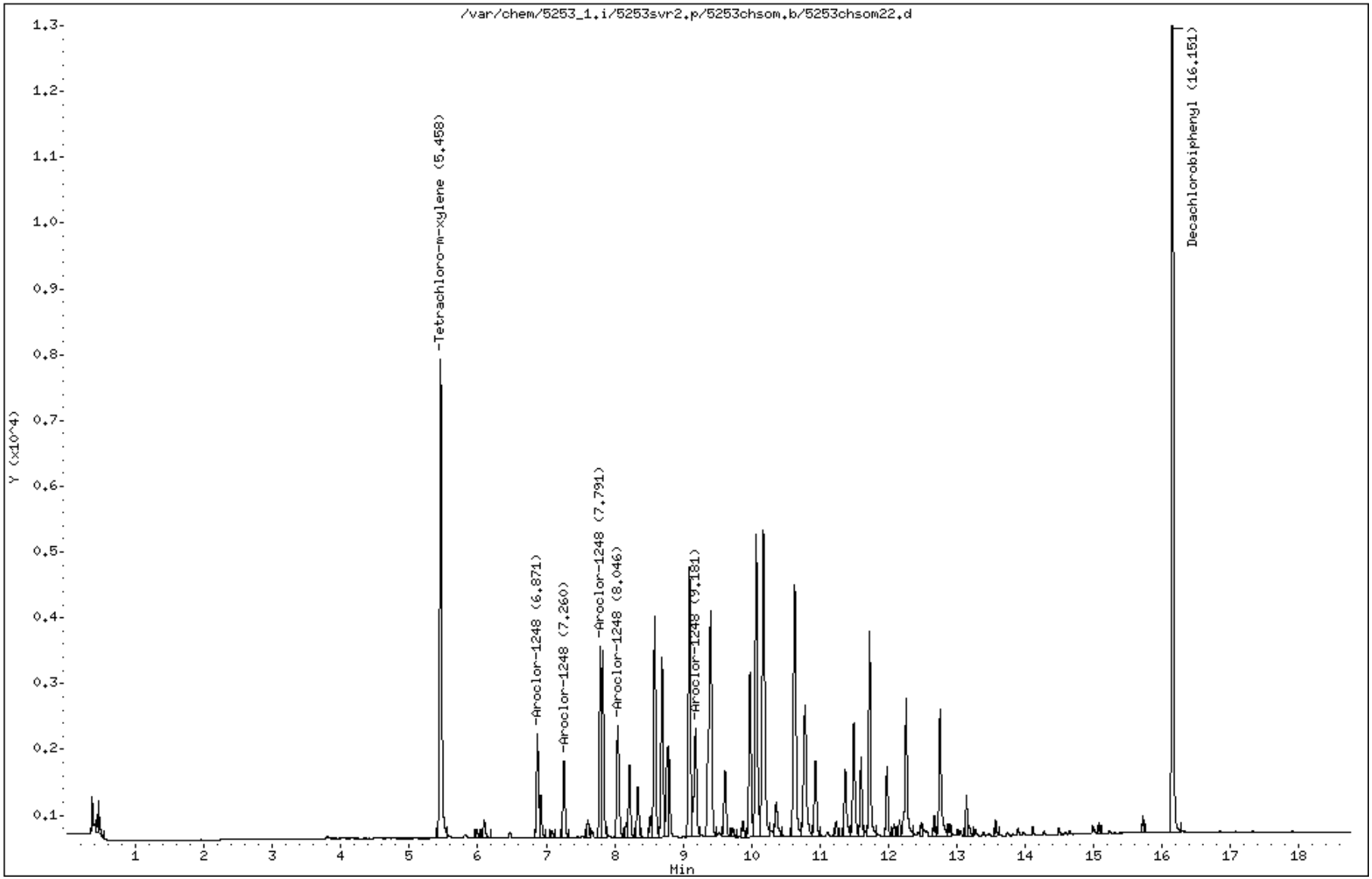
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom21.d
Lab Smp Id: IC-540889 Client Smp ID: AR12483S1
Inj Date : 13-AUG-2013 22:10
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-540889,1,AR12483S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4328	0.02000	0.02003	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.733	8.731	0.002	971	0.40000	0.3997	80.00- 120.00	100.00
9.767	9.763	0.004	1693	0.40000	0.4056	76.66- 116.66	174.36
10.203	10.200	0.003	761	0.40000	0.3935	78.35- 118.35	78.37
10.927	10.925	0.002	705	0.40000	0.4020	83.94- 123.94	72.61
11.630	11.630	0.000	1050	0.40000	0.4096	53.70- 93.70	108.14
Average of Peak Amounts =					0.402		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	7062	0.04000	0.03908	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom22.d
Date : 13-AUG-2013 22:35
Client ID: AR1248HS1
Instrument: 5253_1.i
Sample Info: IC-492074,1,AR1248HS1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom22.d
Lab Smp Id: IC-492074 Client Smp ID: AR12484S1
Inj Date : 13-AUG-2013 22:35
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492074,1,AR12484S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	7279	0.04000	0.04166	80.00- 120.00	100.00(M)
6 Aroclor-1248					CAS #: 12672-29-6		
6.871	6.870	0.001	1587	0.80000	0.7645	80.00- 120.00	100.00(M)
7.260	7.260	0.000	1172	0.80000	0.7751	76.66- 116.66	73.85
7.791	7.790	0.001	2911	0.80000	0.7939	78.35- 118.35	183.43
8.046	8.046	0.000	1689	0.80000	0.7803	83.94- 123.94	106.43
9.181	9.181	0.000	1660	0.80000	0.7815	53.70- 93.70	104.60
Average of Peak Amounts =					0.779		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	19828	0.08000	0.07838	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

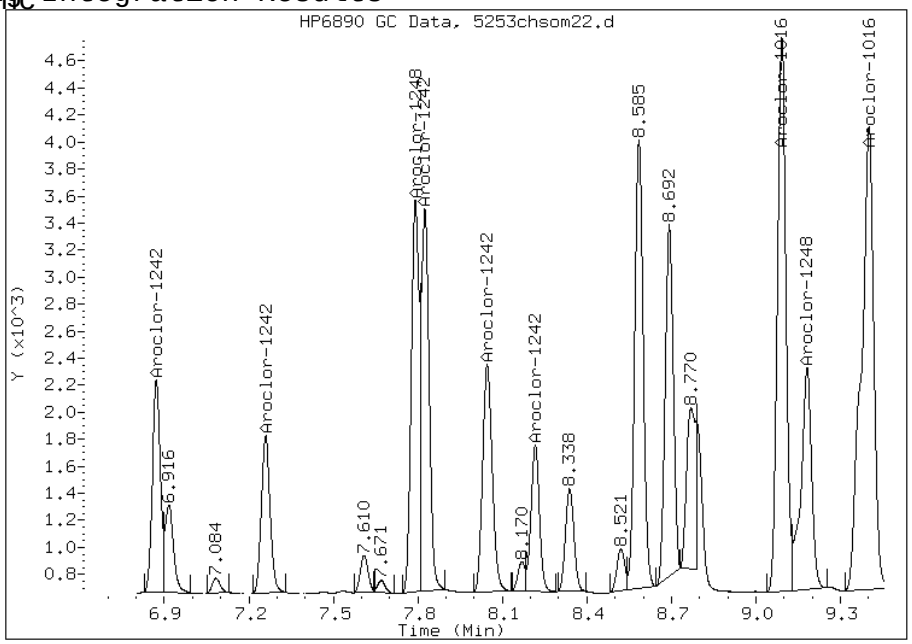
Manual Integration Report

Data File: 5253chsom22.d
Lab Sample ID: IC-492074
Inj. Date and Time: 13-AUG-2013 22:35
Instrument ID: 5253_1.i
Client ID: AR12484S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	1576*	0.76
7.26	1165*	0.77
7.79	2901*	0.79
8.05	1681*	0.78
9.18	1641*	0.77

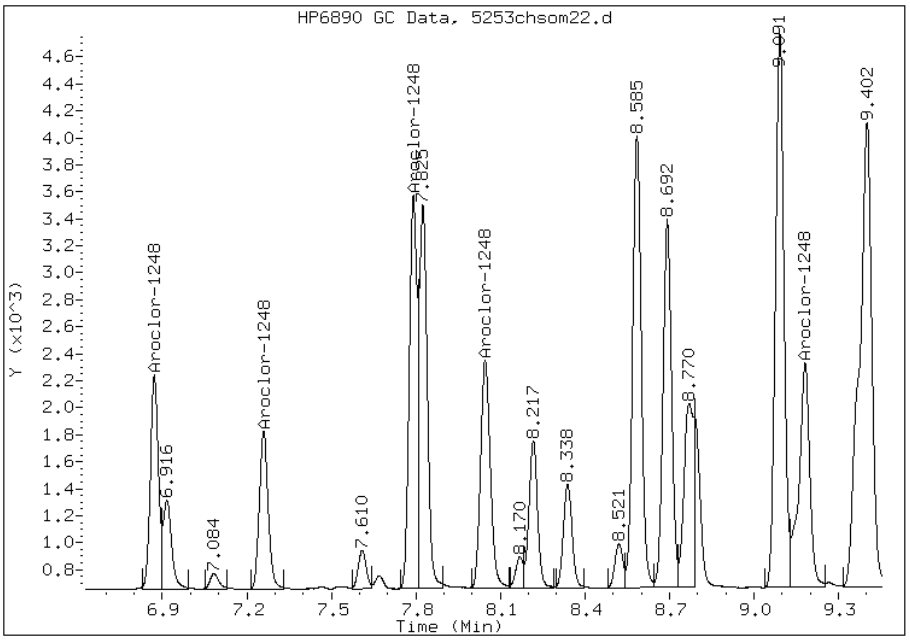
Final Conc		0.77



Manual Integration Results

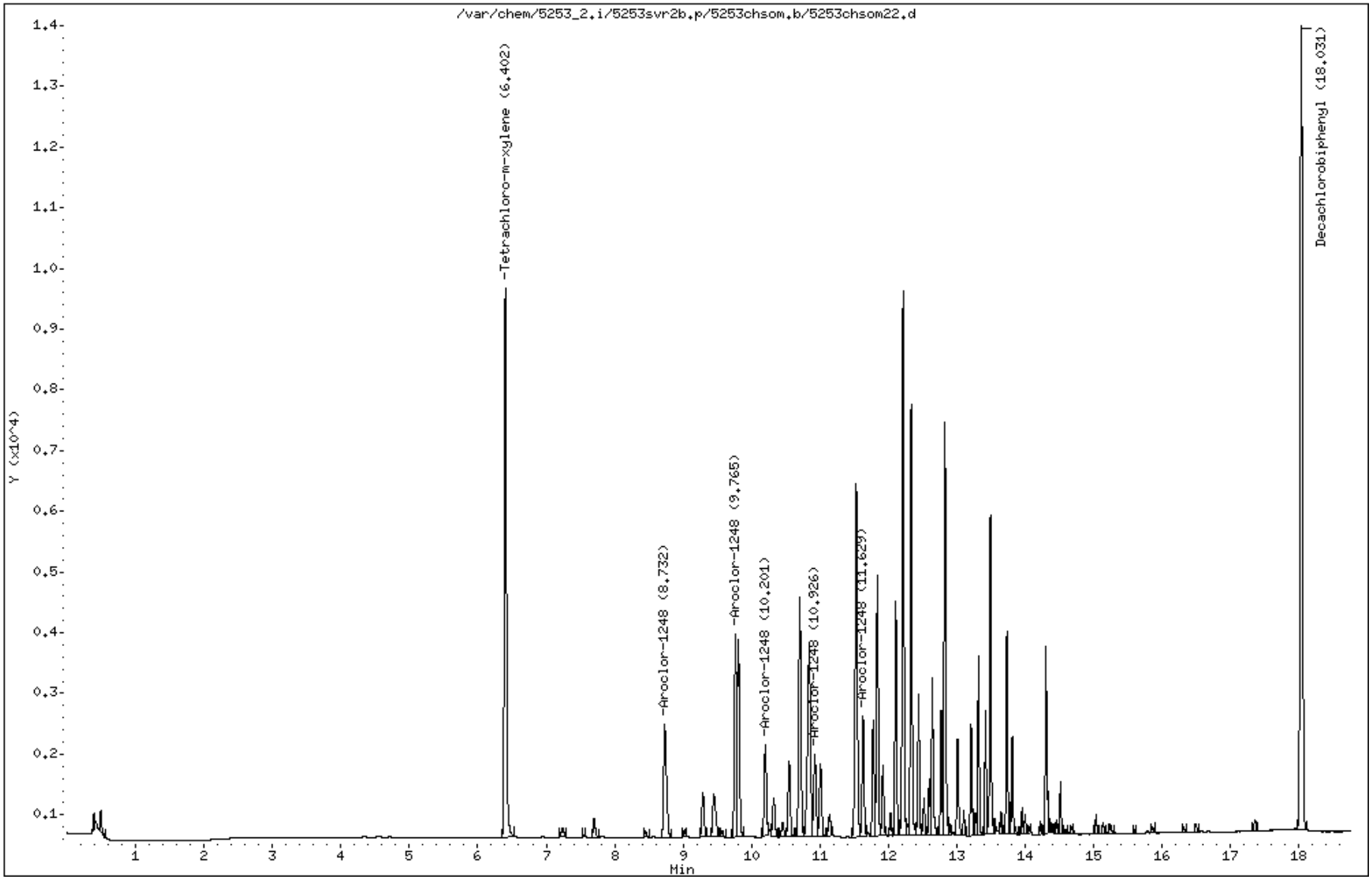
RT	Response	Conc
6.87	1587*	0.76
7.26	1172*	0.78
7.79	2911*	0.79
8.05	1689*	0.78
9.18	1660*	0.78

Final Conc		0.78



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom22.d
Date : 13-AUG-2013 22:35
Client ID: AR1248HS1
Instrument: 5253_2.i
Sample Info: IC-492074,1,AR1248HS1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom22.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom22.d
Lab Smp Id: IC-492074 Client Smp ID: AR12484S1
Inj Date : 13-AUG-2013 22:35
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492074,1,AR12484S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	9052	0.04000	0.04190	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.732	8.731	0.001	1849	0.80000	0.7611	80.00- 120.00	100.00(M)
9.765	9.763	0.002	3347	0.80000	0.8019	76.66- 116.66	181.02
10.201	10.200	0.001	1512	0.80000	0.7818	78.35- 118.35	81.77
10.926	10.925	0.001	1342	0.80000	0.7653	83.94- 123.94	72.58
11.629	11.630	-0.001	1968	0.80000	0.7678	53.70- 93.70	106.44
Average of Peak Amounts =					0.776		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	14398	0.08000	0.07968	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

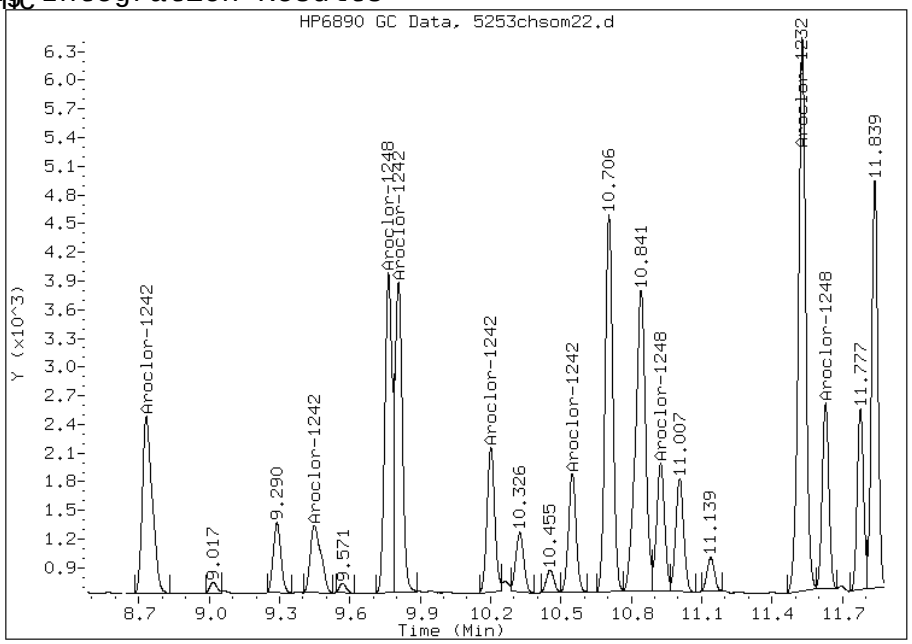
Manual Integration Report

Data File: 5253chsom22.d
Lab Sample ID: IC-492074
Inj. Date and Time: 13-AUG-2013 22:35
Instrument ID: 5253_2.i
Client ID: AR12484S1
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
8.73	1849	0.76
9.76	3347	0.80
10.20	1512	0.78
10.93	1342	0.77
11.63	1937*	0.76

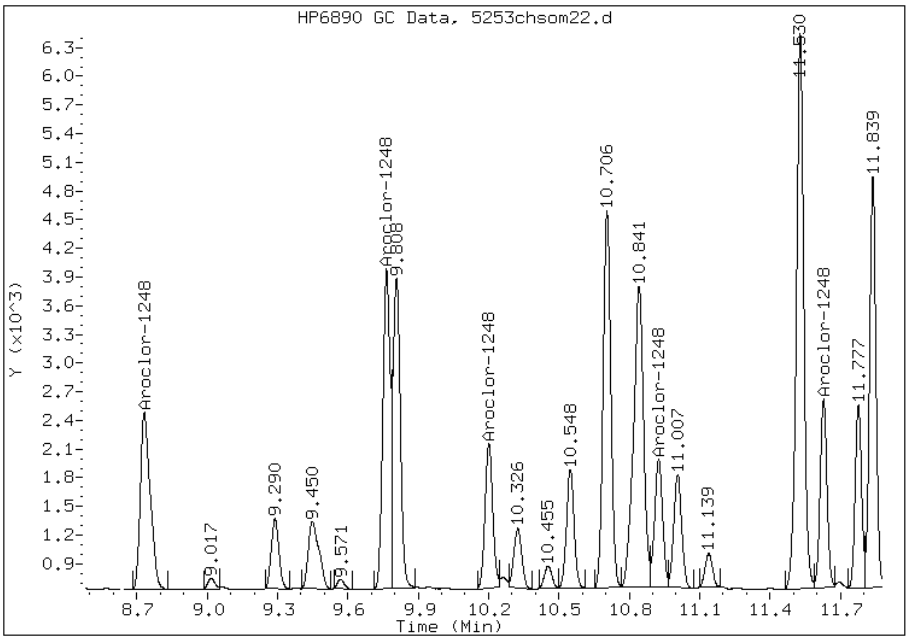
Final Conc		0.77



Manual Integration Results

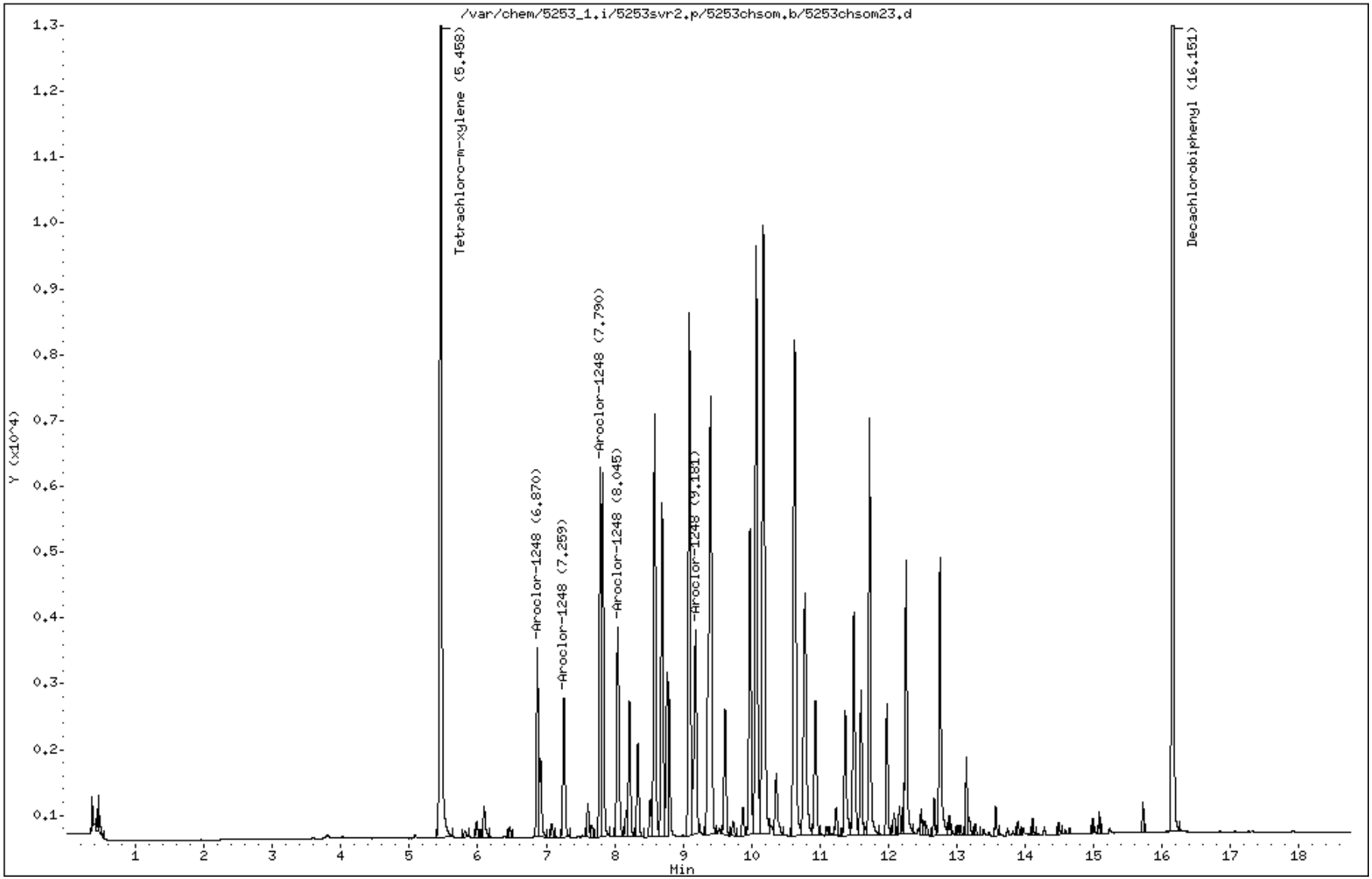
RT	Response	Conc
8.73	1849	0.76
9.76	3347	0.80
10.20	1512	0.78
10.93	1342	0.77
11.63	1968*	0.77

Final Conc		0.78



File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom23.d
Date : 13-AUG-2013 23:00
Client ID: AR12485S1
Instrument: 5253_1.i
Sample Info: IC-495557,1,AR12485S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

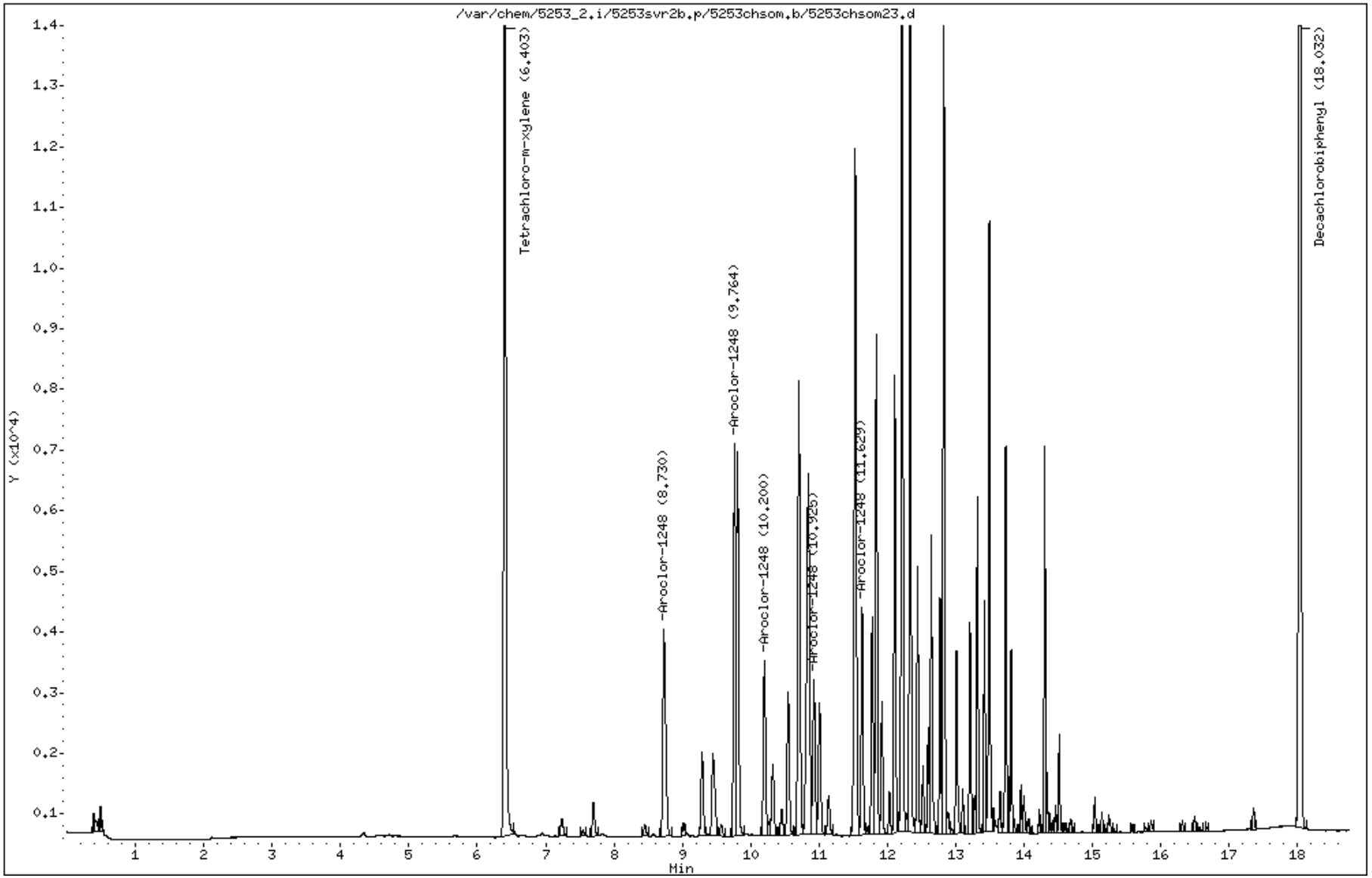
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom23.d
Lab Smp Id: IC-495557 Client Smp ID: AR12485S1
Inj Date : 13-AUG-2013 23:00
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-495557,1,AR12485S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

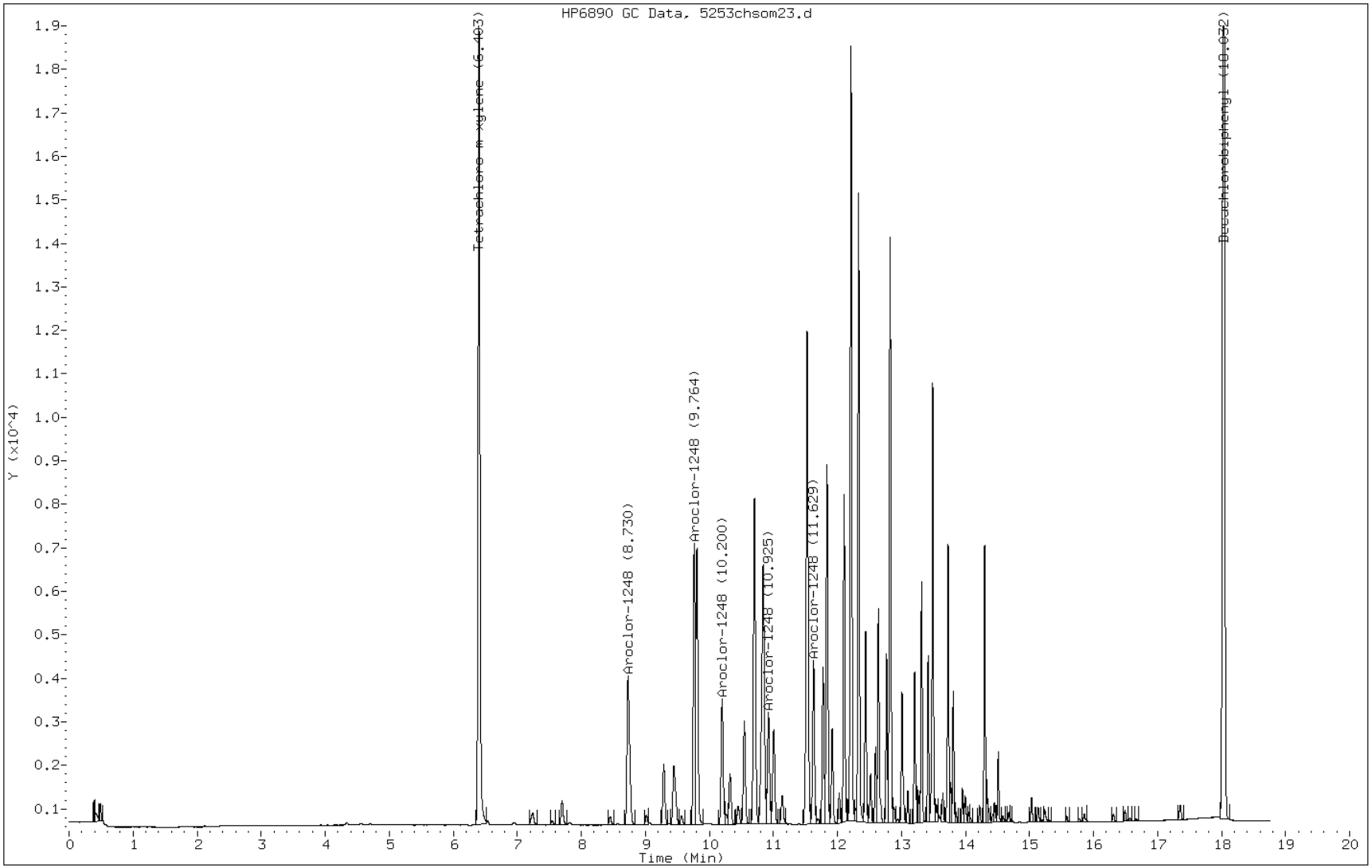
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	14486	0.08000	0.08290	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
6.870	6.870	0.000	2868	1.60000	1.382	80.00- 120.00	100.00
7.259	7.260	-0.001	2117	1.60000	1.400	76.66- 116.66	73.81
7.790	7.790	0.000	5628	1.60000	1.535	78.35- 118.35	196.23
8.045	8.046	-0.001	3183	1.60000	1.470	83.94- 123.94	110.98
9.181	9.181	0.000	3106	1.60000	1.462	53.70- 93.70	108.30
Average of Peak Amounts =					1.45		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	39035	0.16000	0.1543	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom23.d
Date : 13-AUG-2013 23:00
Client ID: AR12485S1
Instrument: 5253_2.i
Sample Info: IC-495557,1,AR12485S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom23.d
Client ID: AR12485S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-495557,1,AR12485S1

Date: 13-AUG-2013 23:00
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom23.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

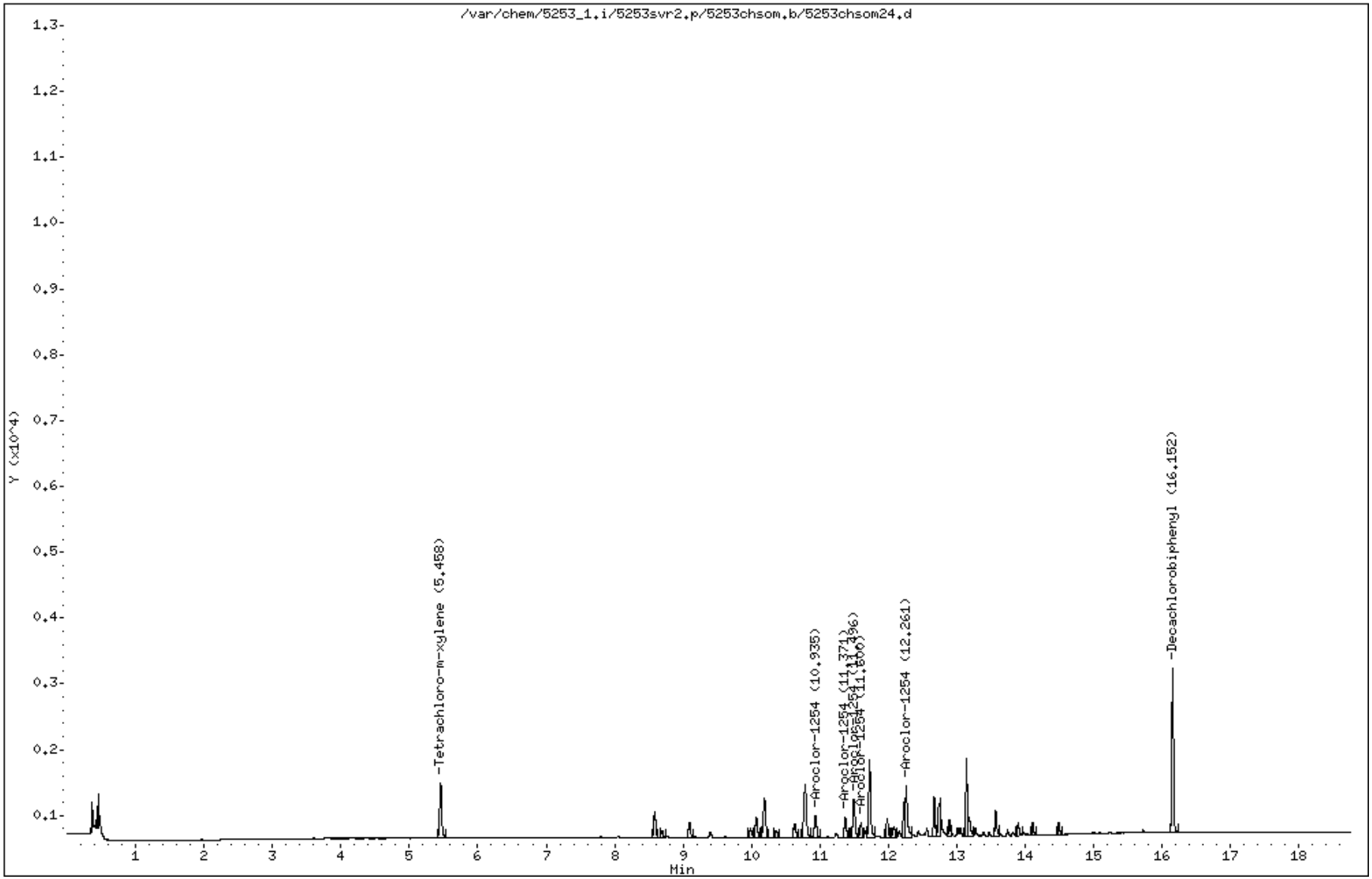
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom23.d
Lab Smp Id: IC-495557 Client Smp ID: AR12485S1
Inj Date : 13-AUG-2013 23:00
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-495557,1,AR12485S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

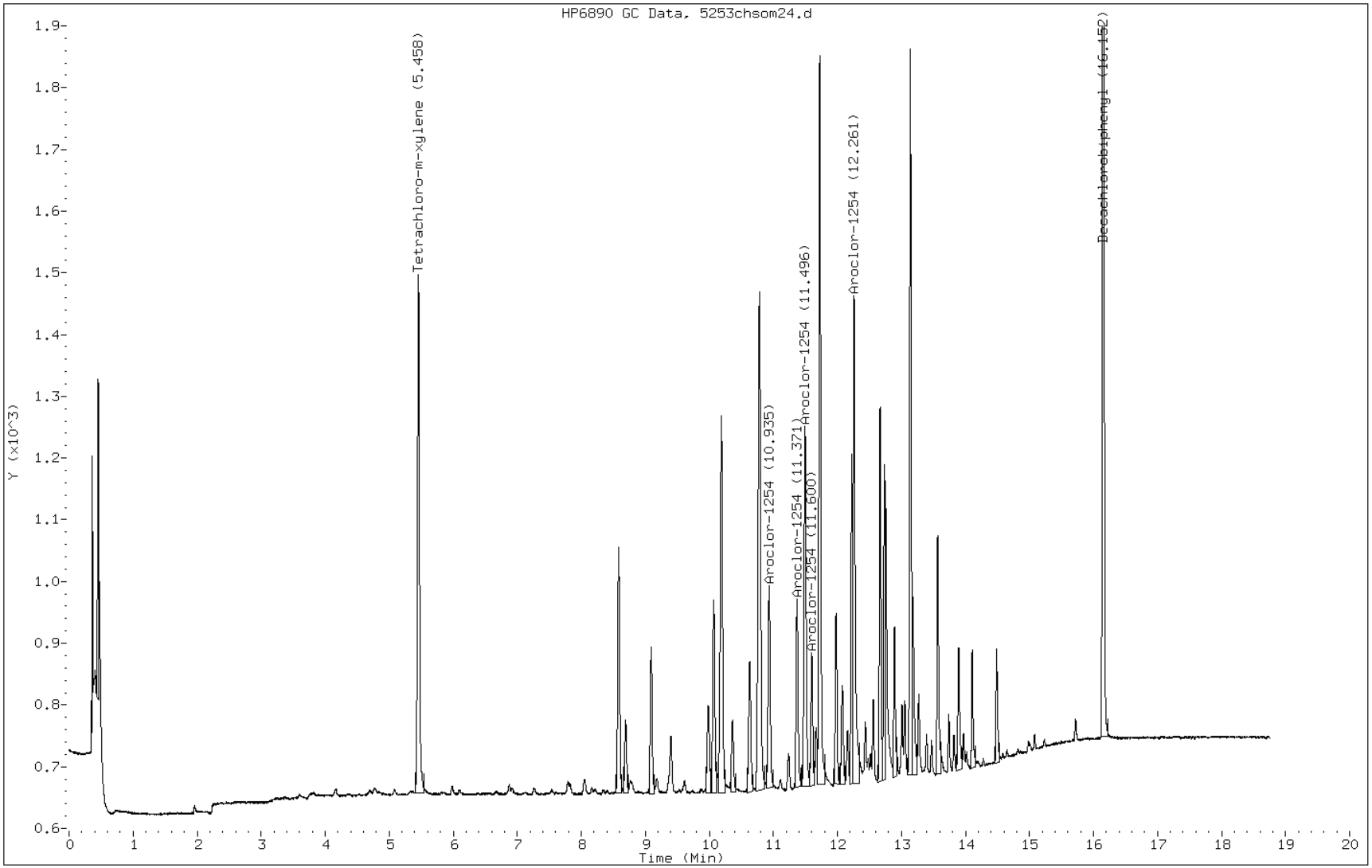
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	18354	0.08000	0.08495	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.730	8.731	-0.001	3422	1.60000	1.409	80.00- 120.00	100.00
9.764	9.763	0.001	6460	1.60000	1.548	76.66- 116.66	188.78
10.200	10.200	0.000	2884	1.60000	1.491	78.35- 118.35	84.28
10.925	10.925	0.000	2557	1.60000	1.458	83.94- 123.94	74.72
11.629	11.630	-0.001	3762	1.60000	1.468	53.70- 93.70	109.94
Average of Peak Amounts =					1.47		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	27537	0.16000	0.1524	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom24.d
Date : 13-AUG-2013 23:24
Client ID: AR12541S1
Instrument: 5253_1.i
Sample Info: IC-492073,1,AR12541S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom24.d
Client ID: AR12541S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492073,1,AR12541S1

Date: 13-AUG-2013 23:24
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom24.d
Lab Smp Id: IC-492073 Client Smp ID: AR12541S1
Inj Date : 13-AUG-2013 23:24
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492073,1,AR12541S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 24 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	840	0.00500	0.004807	80.00- 120.00	100.00(M)
7 Aroclor-1254					CAS #: 11097-69-1		
10.934	10.931	0.003	327	0.10000	0.1105	80.00- 120.00	100.00(M)
11.369	11.370	-0.001	303	0.10000	0.1085	105.70- 145.70	92.66
11.494	11.491	0.003	583	0.10000	0.09863	132.86- 172.86	178.29
11.599	11.600	-0.001	214	0.10000	0.1046	83.52- 123.52	65.44
12.261	12.259	0.002	790	0.10000	0.09133	92.98- 132.98	241.59
Average of Peak Amounts =					0.103		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	2486	0.01000	0.009827	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

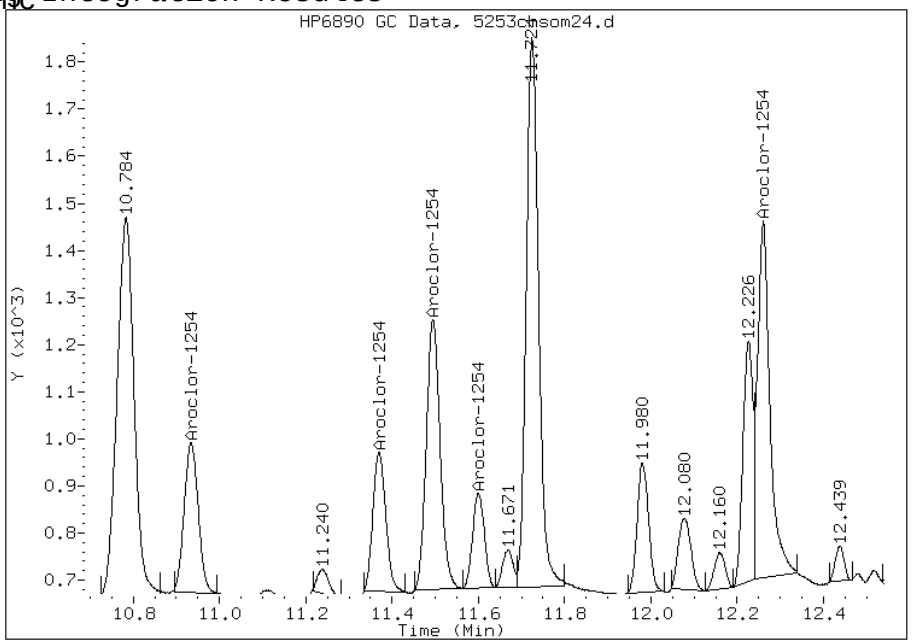
Manual Integration Report

Data File: 5253chsom24.d
Lab Sample ID: IC-492073
Inj. Date and Time: 13-AUG-2013 23:24
Instrument ID: 5253_1.i
Client ID: AR12541S1
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
10.93	320*	0.11
11.37	295*	0.11
11.50	572*	0.10
11.60	201*	0.10
12.26	758*	0.09

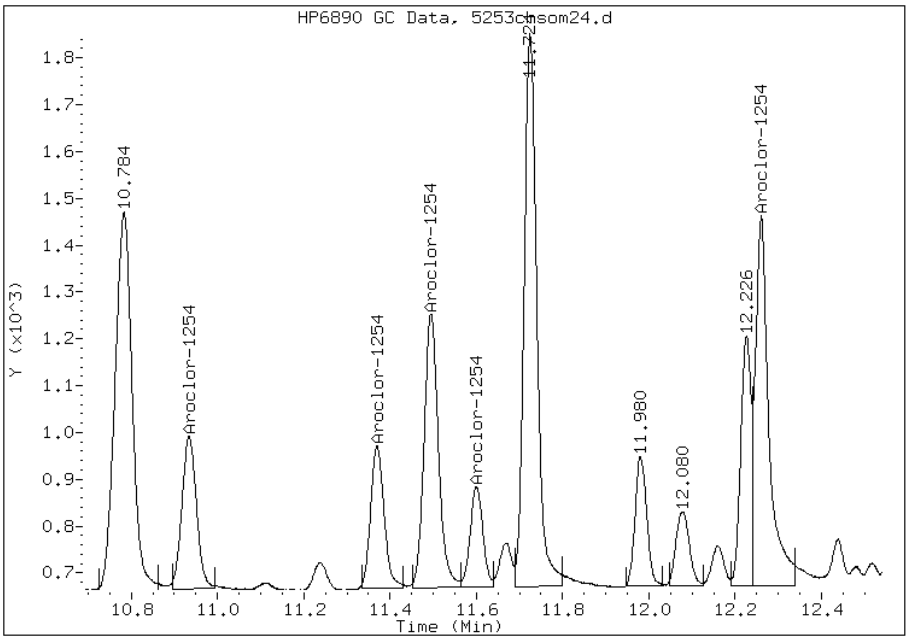
Final Conc		0.10



Manual Integration Results

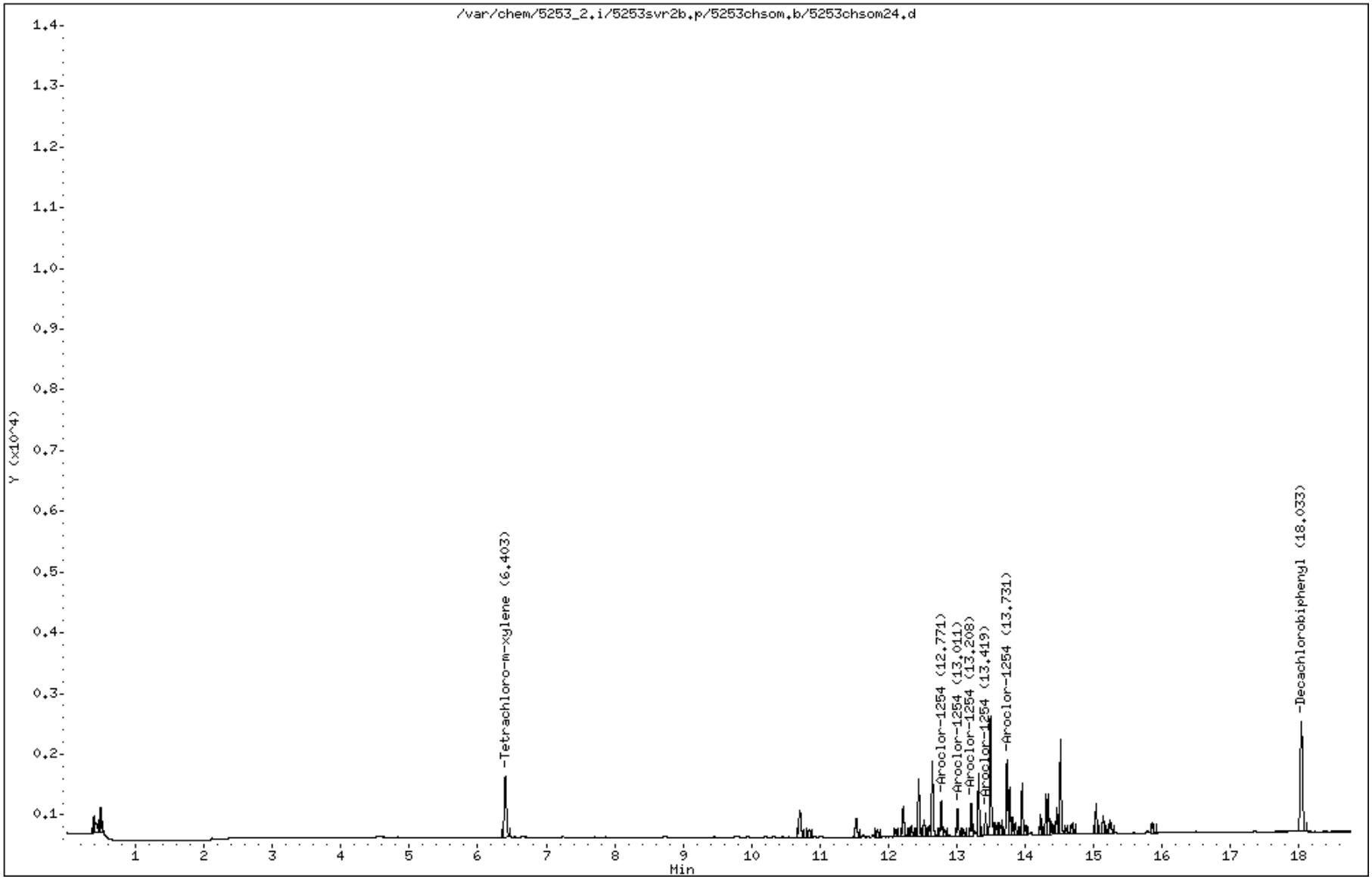
RT	Response	Conc
10.93	327*	0.11
11.37	303*	0.11
11.49	583*	0.10
11.60	214*	0.10
12.26	790*	0.09

Final Conc		0.10



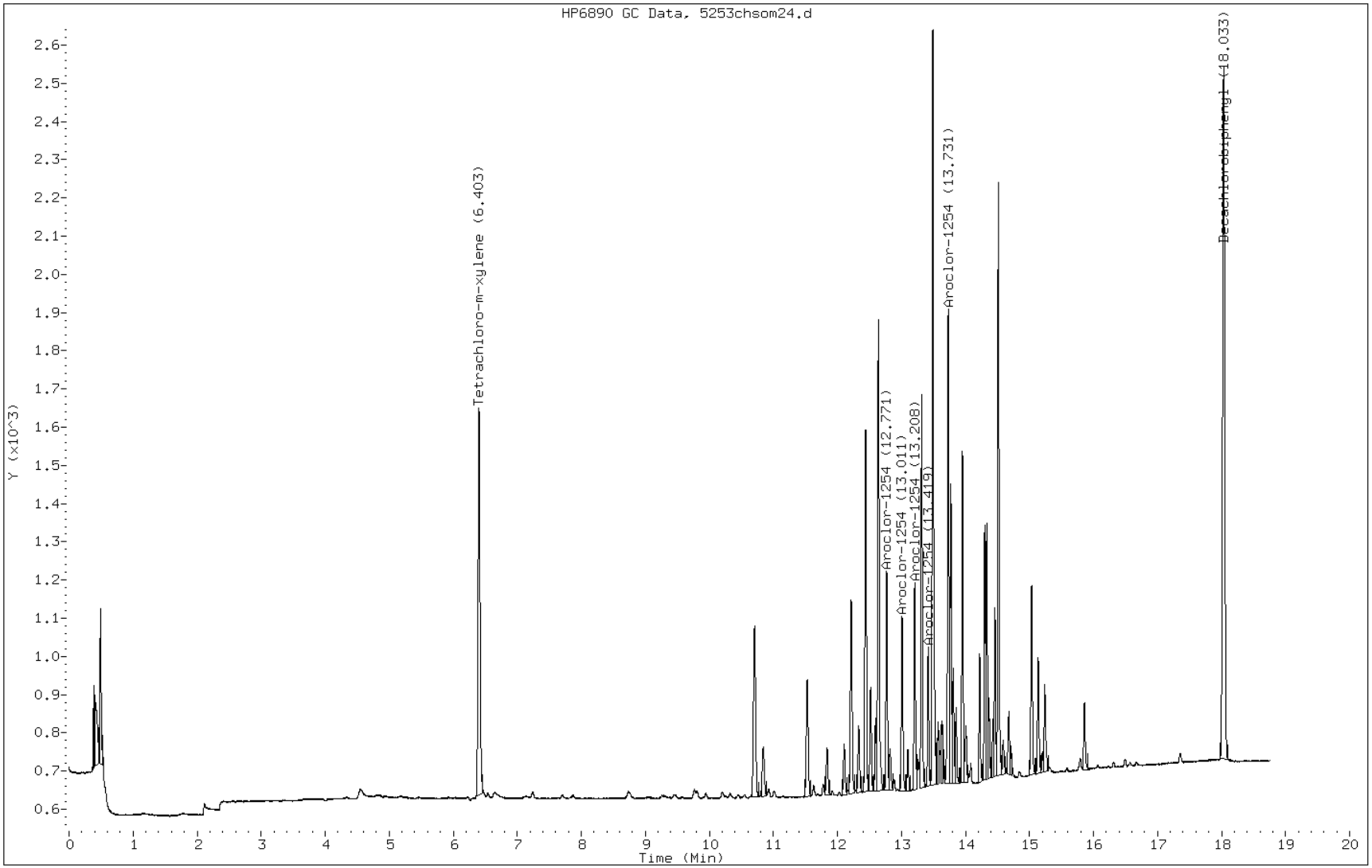
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom24.d
Date : 13-AUG-2013 23:24
Client ID: AR12541S1
Instrument: 5253_2.i
Sample Info: IC-492073,1,AR12541S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom24.d
Client ID: AR12541S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492073,1,AR12541S1

Date: 13-AUG-2013 23:24
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom24.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom24.d
Lab Smp Id: IC-492073 Client Smp ID: AR12541S1
Inj Date : 13-AUG-2013 23:24
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492073,1,AR12541S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 24 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
6.403	6.402	0.001	1012	0.00500	0.004684	80.00- 120.00		100.00
7 Aroclor-1254						CAS #: 11097-69-1		
12.771	12.770	0.001	573	0.10000	0.1063	80.00- 120.00		100.00(M)
13.010	13.010	0.000	456	0.10000	0.1102	105.70- 145.70		79.58
13.208	13.209	-0.001	539	0.10000	0.1077	132.86- 172.86		94.07
13.419	13.419	0.000	364	0.10000	0.1053	83.52- 123.52		63.53
13.731	13.730	0.001	1241	0.10000	0.09355	92.98- 132.98		216.58
Average of Peak Amounts =					0.105			
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3		
18.033	18.032	0.001	1809	0.01000	0.01001	80.00- 120.00		100.00

QC Flag Legend

M - Compound response manually integrated.

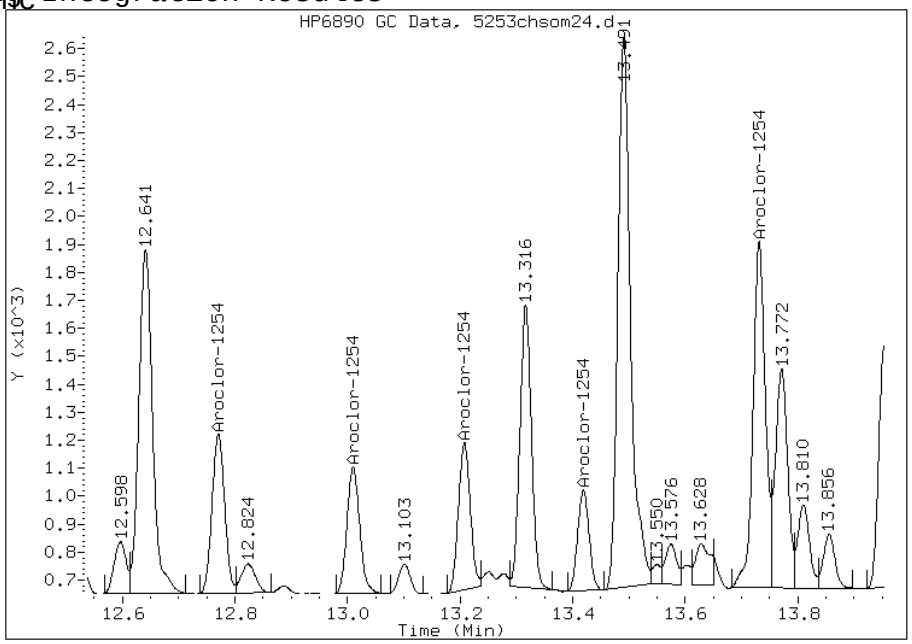
Manual Integration Report

Data File: 5253chsom24.d
Lab Sample ID: IC-492073
Inj. Date and Time: 13-AUG-2013 23:24
Instrument ID: 5253_2.i
Client ID: AR12541S1
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
12.77	570*	0.11
13.01	451*	0.11
13.21	525*	0.10
13.42	362*	0.10
13.73	1237*	0.09

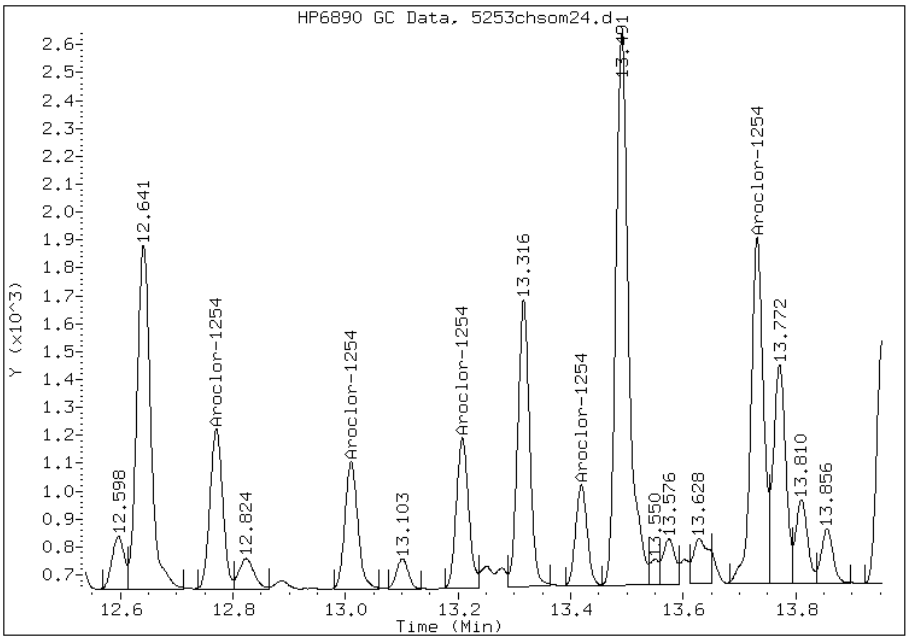
Final Conc		0.10



Manual Integration Results

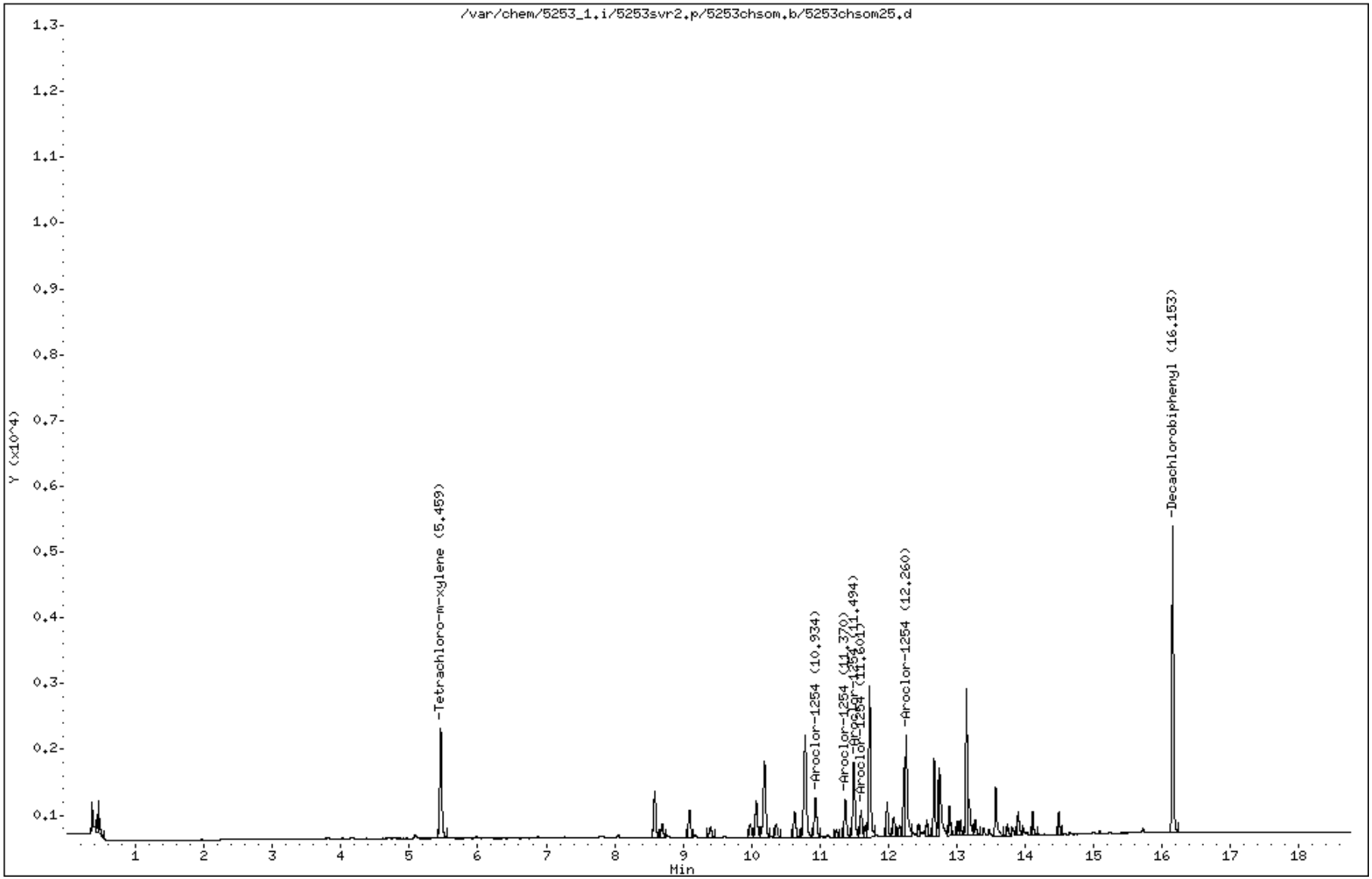
RT	Response	Conc
12.77	573*	0.11
13.01	456*	0.11
13.21	539*	0.11
13.42	364*	0.11
13.73	1241*	0.09

Final Conc		0.10



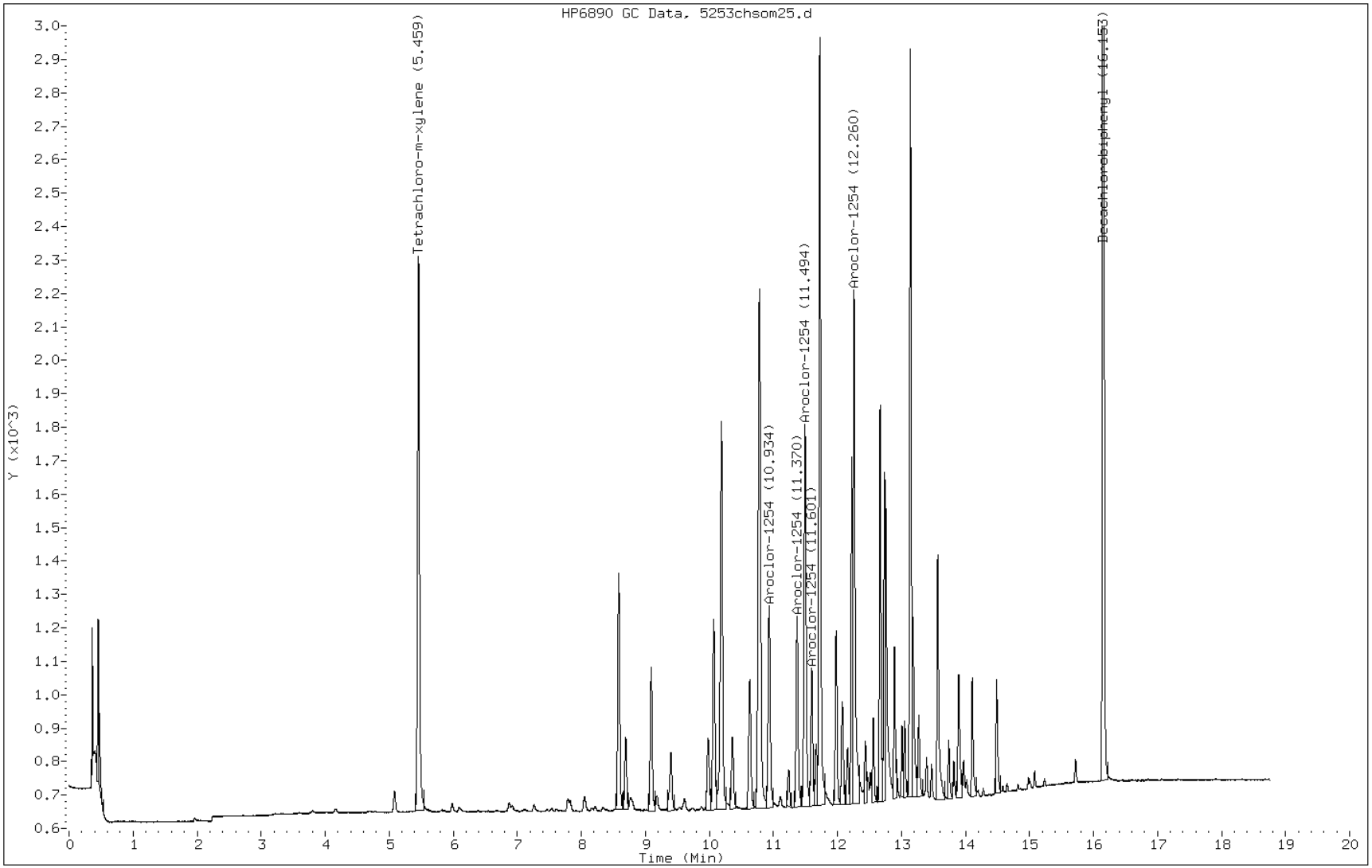
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom25.d
Date : 13-AUG-2013 23:49
Client ID: AR1254281
Instrument: 5253_1.i
Sample Info: IC-492072,1,AR1254281
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom25.d
Client ID: AR12542S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492072,1,AR12542S1

Date: 13-AUG-2013 23:49
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom25.d
Lab Smp Id: IC-492072 Client Smp ID: AR12542S1
Inj Date : 13-AUG-2013 23:49
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492072,1,AR12542S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 25 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.459	5.458	0.001	1658	0.01000	0.009489	80.00- 120.00	100.00(M)
7 Aroclor-1254					CAS #: 11097-69-1		
10.934	10.931	0.003	603	0.20000	0.2038	80.00- 120.00	100.00(M)
11.370	11.370	0.000	571	0.20000	0.2045	105.70- 145.70	94.69
11.494	11.491	0.003	1143	0.20000	0.1934	132.86- 172.86	189.55
11.601	11.600	0.001	412	0.20000	0.2013	83.52- 123.52	68.33
12.259	12.259	0.000	1535	0.20000	0.1775	92.98- 132.98	254.56
Average of Peak Amounts =					0.196		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	4655	0.02000	0.01840	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

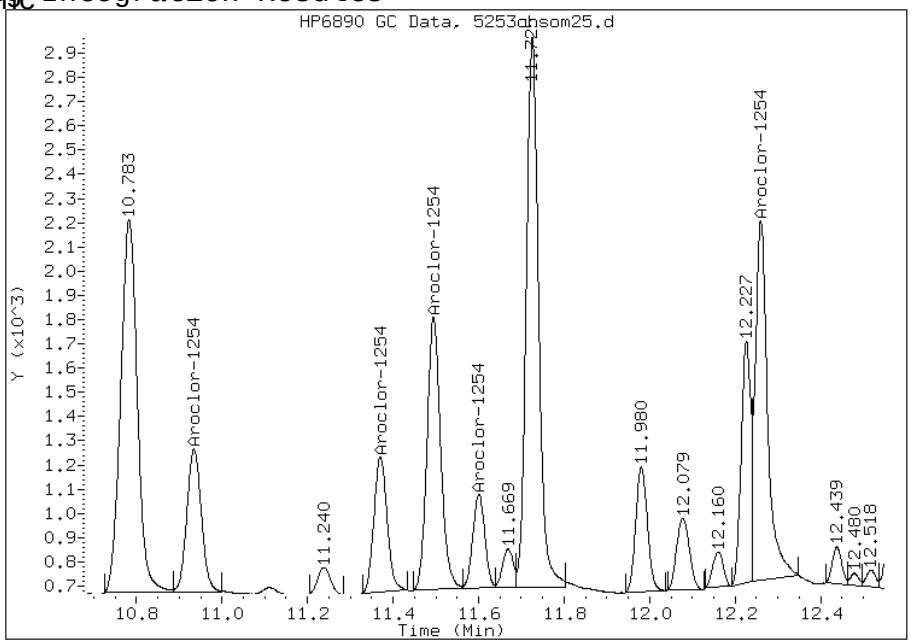
Manual Integration Report

Data File: 5253chsom25.d
Lab Sample ID: IC-492072
Inj. Date and Time: 13-AUG-2013 23:49
Instrument ID: 5253_1.i
Client ID: AR12542S1
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
10.93	590*	0.20
11.37	560*	0.20
11.49	1124*	0.19
11.60	389*	0.19
12.26	1487*	0.17

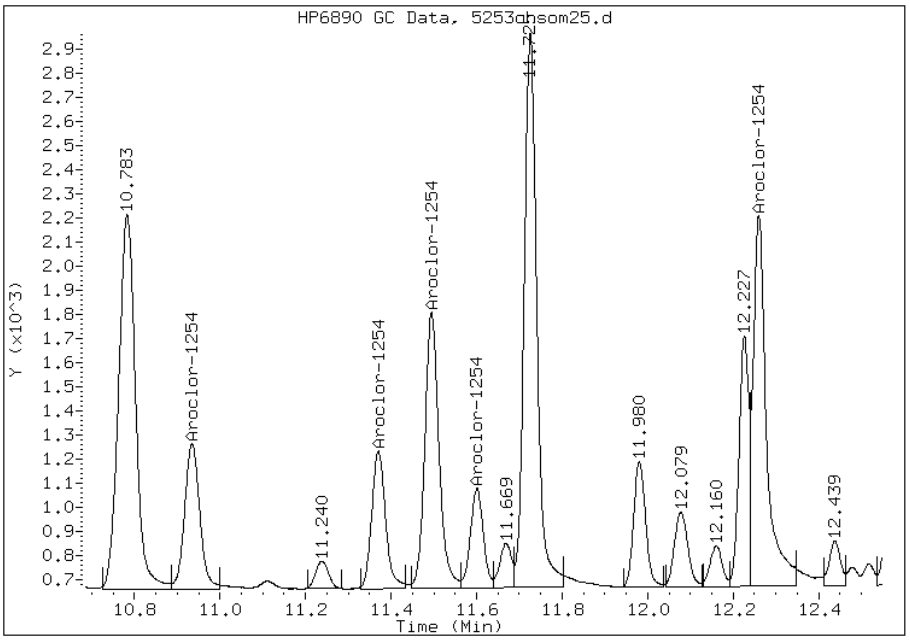
Final Conc		0.19



Manual Integration Results

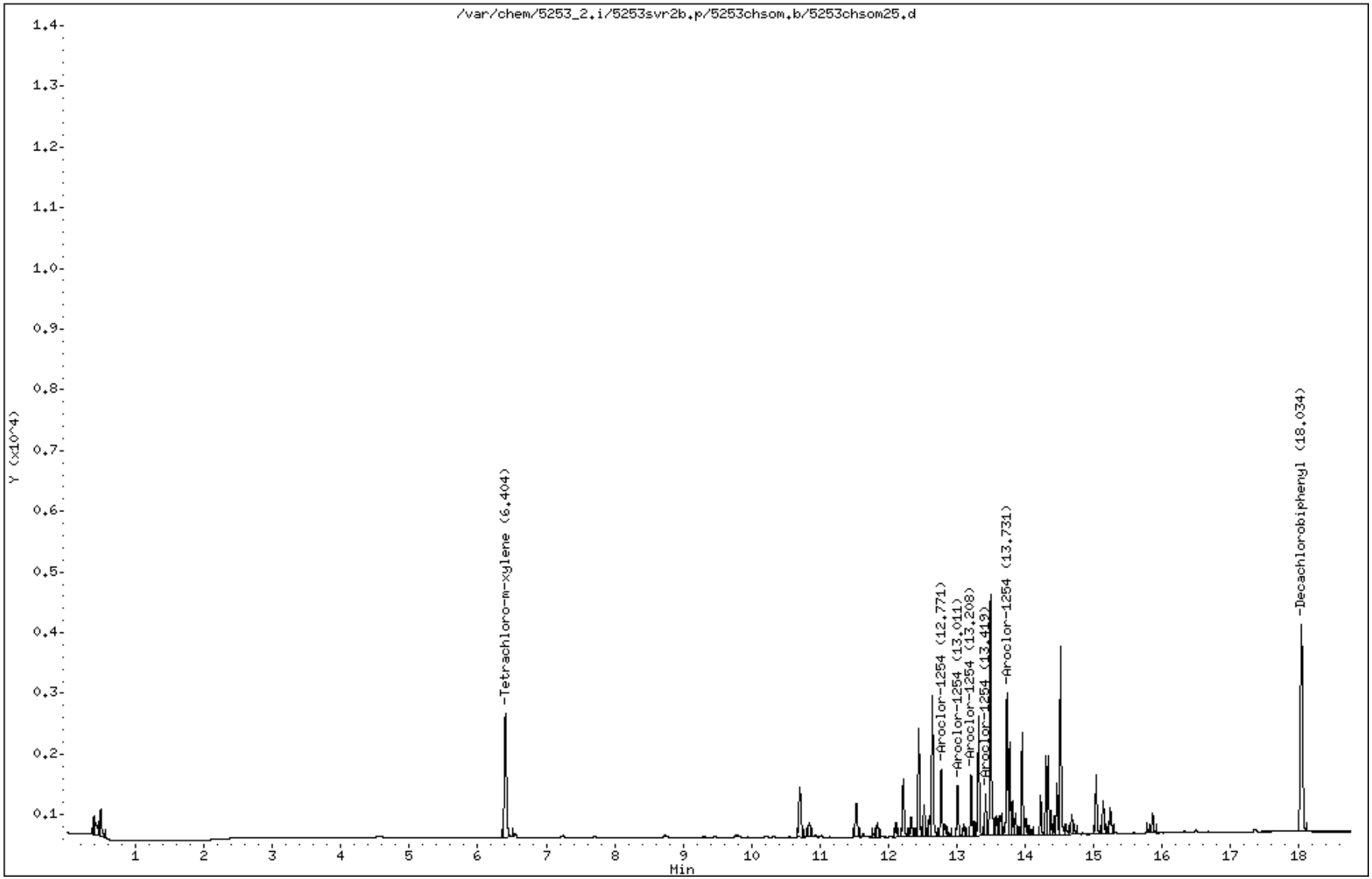
RT	Response	Conc
10.93	603*	0.20
11.37	571*	0.20
11.49	1143*	0.19
11.60	412*	0.20
12.26	1535*	0.18

Final Conc		0.20



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom25.d
Date : 13-AUG-2013 23:49
Client ID: AR12542S1
Instrument: 5253_2.i
Sample Info: IC-492072,1,AR12542S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom25.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom25.d
Lab Smp Id: IC-492072 Client Smp ID: AR12542S1
Inj Date : 13-AUG-2013 23:49
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492072,1,AR12542S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 25 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	2036	0.01000	0.009424	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.771	12.770	0.001	1090	0.20000	0.2023	80.00- 120.00	100.00(M)
13.011	13.010	0.001	839	0.20000	0.2027	105.70- 145.70	76.97
13.208	13.209	-0.001	1019	0.20000	0.2036	132.86- 172.86	93.49
13.419	13.419	0.000	680	0.20000	0.1967	83.52- 123.52	62.39
13.731	13.730	0.001	2329	0.20000	0.1756	92.98- 132.98	213.67
Average of Peak Amounts =					0.196		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	3397	0.02000	0.01880	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

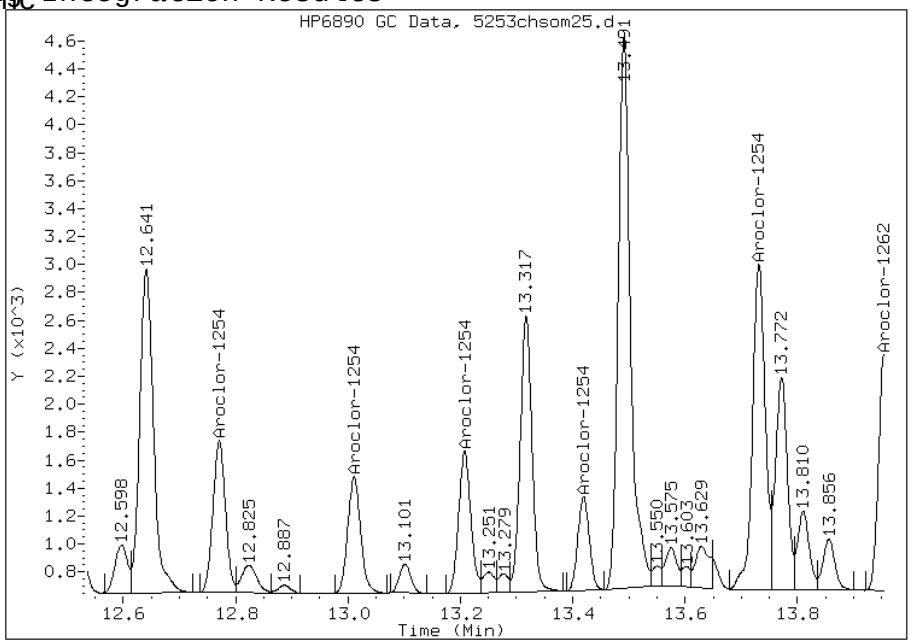
Manual Integration Report

Data File: 5253chsom25.d
Lab Sample ID: IC-492072
Inj. Date and Time: 13-AUG-2013 23:49
Instrument ID: 5253_2.i
Client ID: AR12542S1
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
12.77	1086*	0.20
13.01	836*	0.20
13.21	1017*	0.20
13.42	675*	0.20
13.73	2329*	0.18

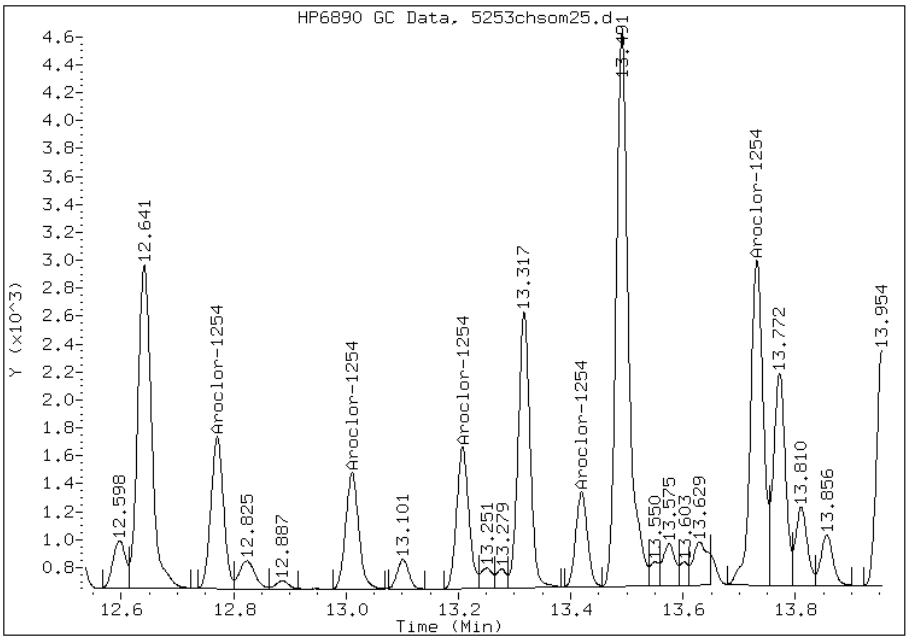
Final Conc		0.20



Manual Integration Results

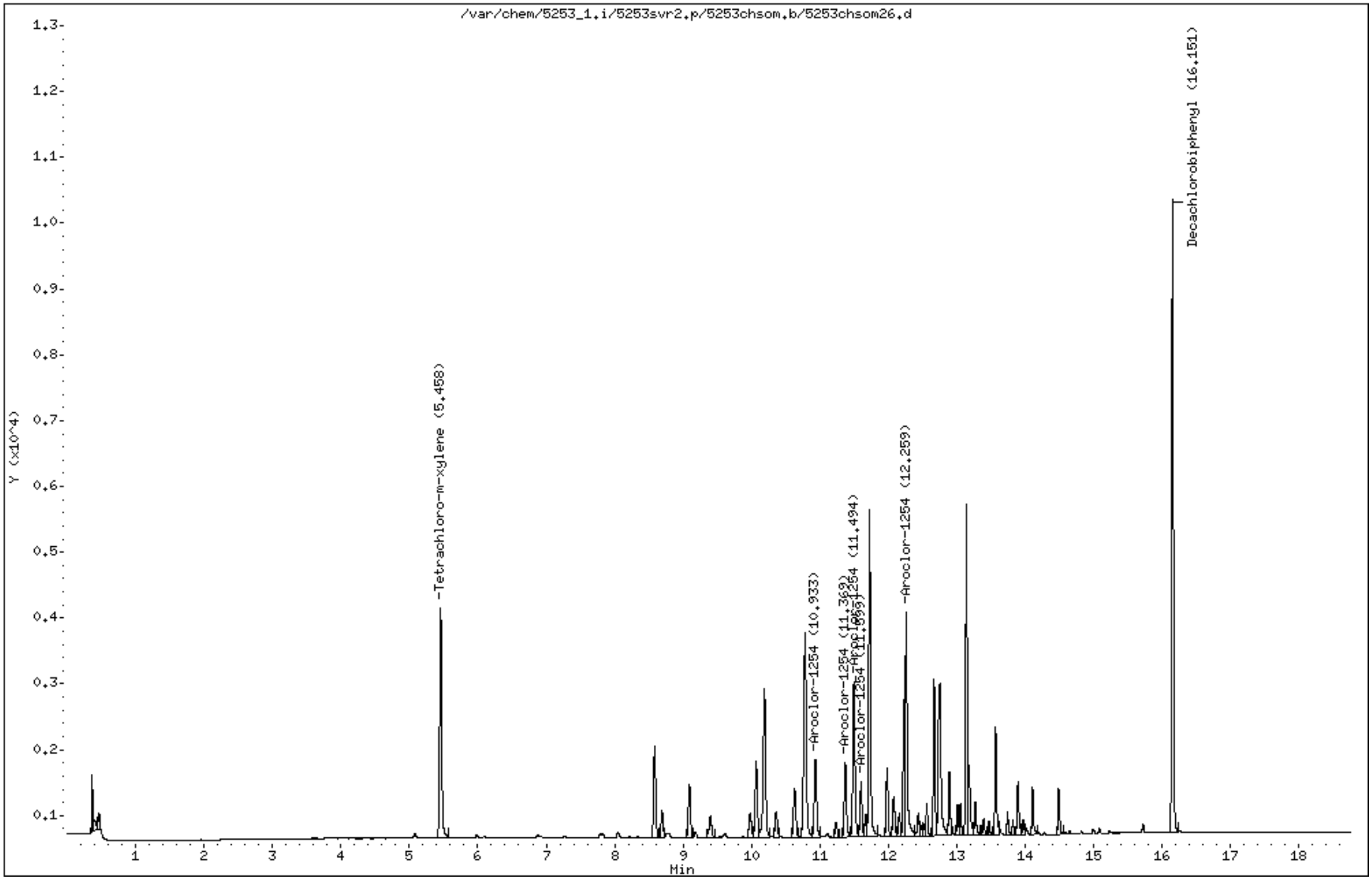
RT	Response	Conc
12.77	1090*	0.20
13.01	839*	0.20
13.21	1019*	0.20
13.42	680*	0.20
13.73	2329*	0.18

Final Conc		0.20



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom26.d
Date : 14-AUG-2013 00:14
Client ID: AR12543S1
Instrument: 5253_1.i
Sample Info: IC-540885,1,AR12543S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom26.d
Lab Smp Id: IC-540885 Client Smp ID: AR12543S1
Inj Date : 14-AUG-2013 00:14
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-540885,1,AR12543S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3474	0.02000	0.01988	80.00- 120.00	100.00(M)
7 Aroclor-1254					CAS #: 11097-69-1		
10.933	10.931	0.002	1175	0.40000	0.3972	80.00- 120.00	100.00(M)
11.369	11.370	-0.001	1133	0.40000	0.4058	105.70- 145.70	96.43
11.494	11.491	0.003	2345	0.40000	0.3967	132.86- 172.86	199.57
11.599	11.600	-0.001	829	0.40000	0.4051	83.52- 123.52	70.55
12.259	12.259	0.000	3402	0.40000	0.3933	92.98- 132.98	289.53
Average of Peak Amounts =					0.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	9614	0.04000	0.03801	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

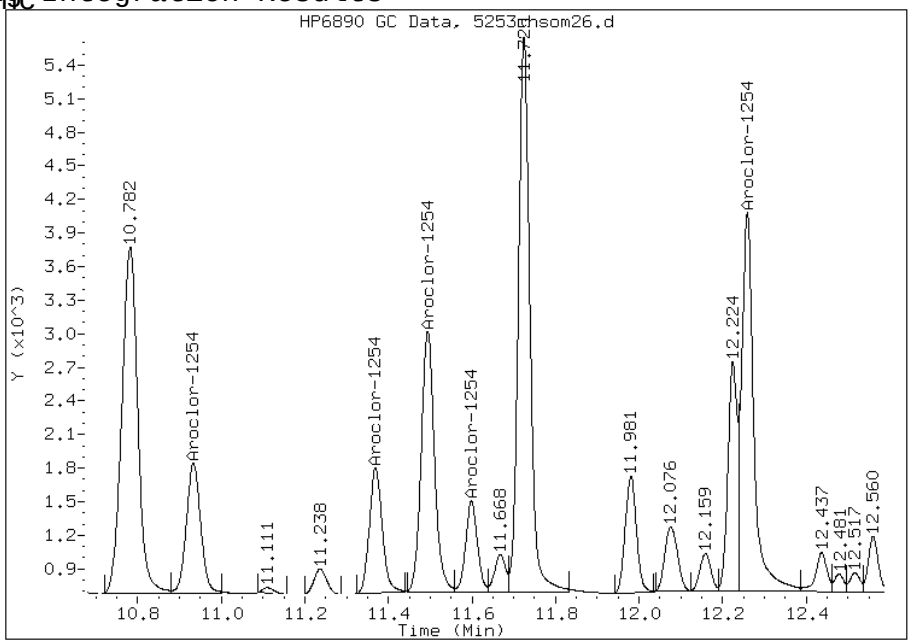
Manual Integration Report

Data File: 5253chsom26.d
Lab Sample ID: IC-540885
Inj. Date and Time: 14-AUG-2013 00:14
Instrument ID: 5253_1.i
Client ID: AR12543S1
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
10.93	1163*	0.39
11.37	1120*	0.40
11.49	2325*	0.39
11.60	812*	0.40
12.26	3387*	0.39

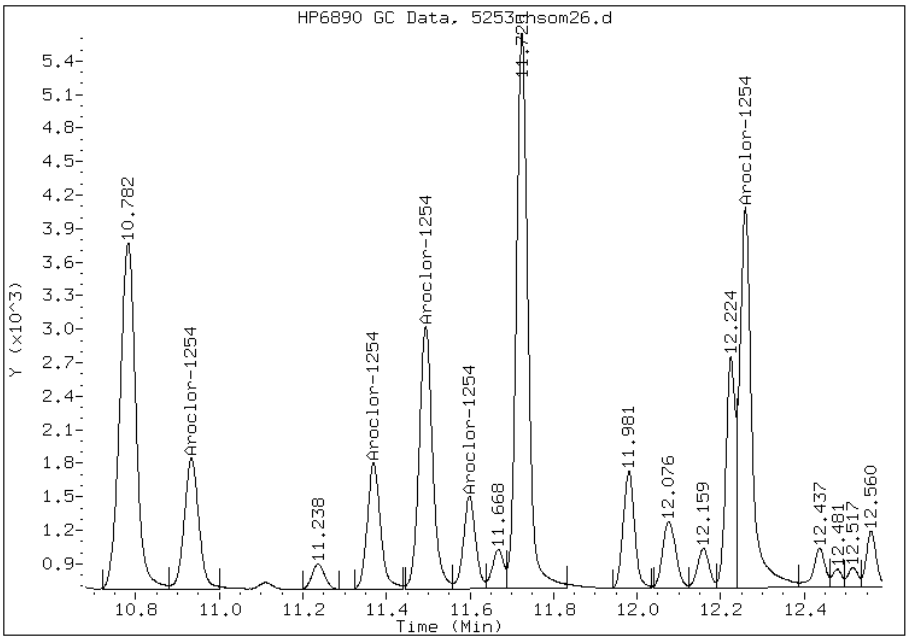
Final Conc		0.40



Manual Integration Results

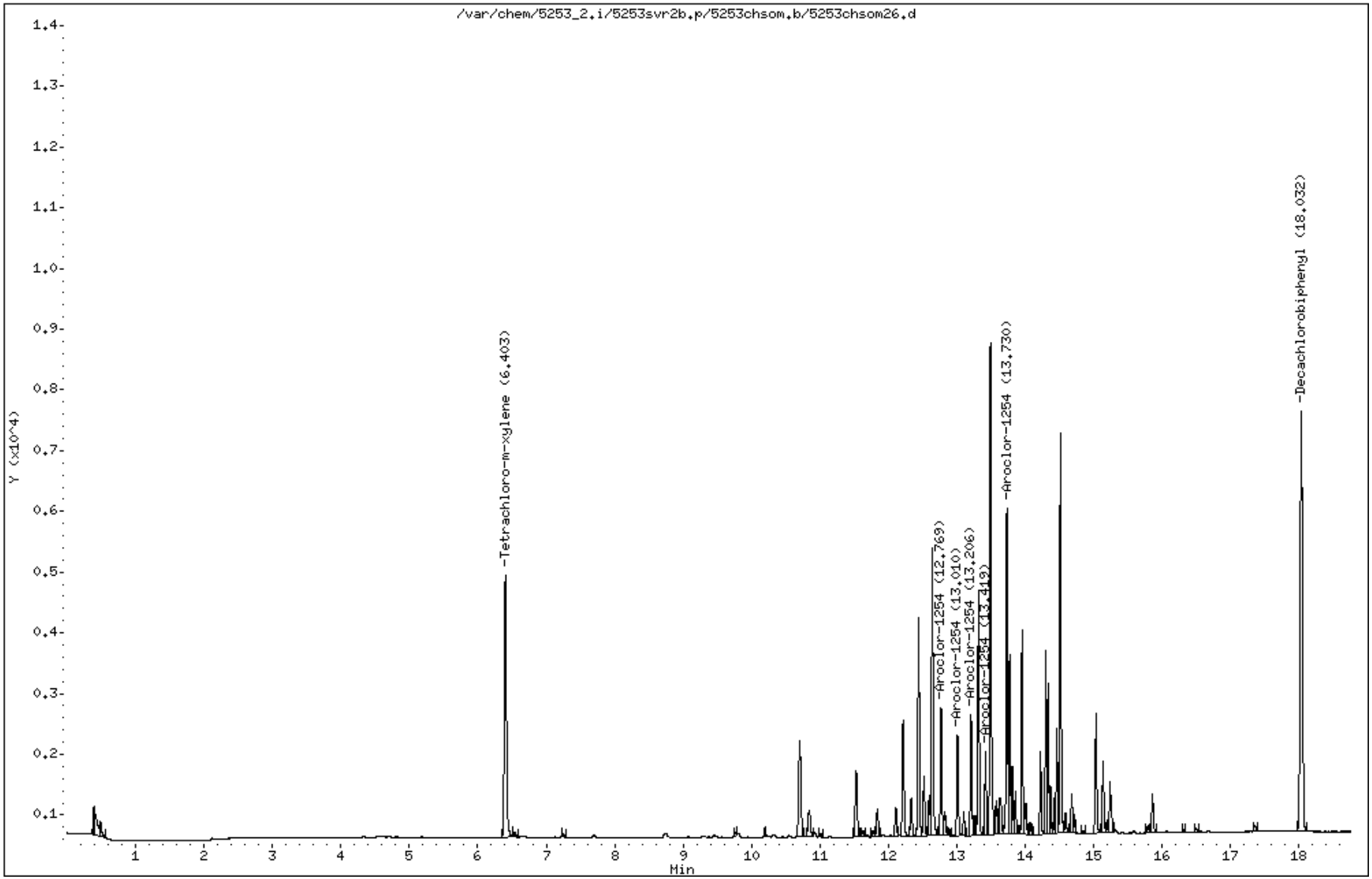
RT	Response	Conc
10.93	1175*	0.40
11.37	1133*	0.41
11.49	2345*	0.40
11.60	829*	0.41
12.26	3402*	0.39

Final Conc		0.40



File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom26.d
Date : 14-AUG-2013 00:14
Client ID: AR12543S1
Instrument: 5253_2.i
Sample Info: IC-540885,1,AR12543S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom26.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

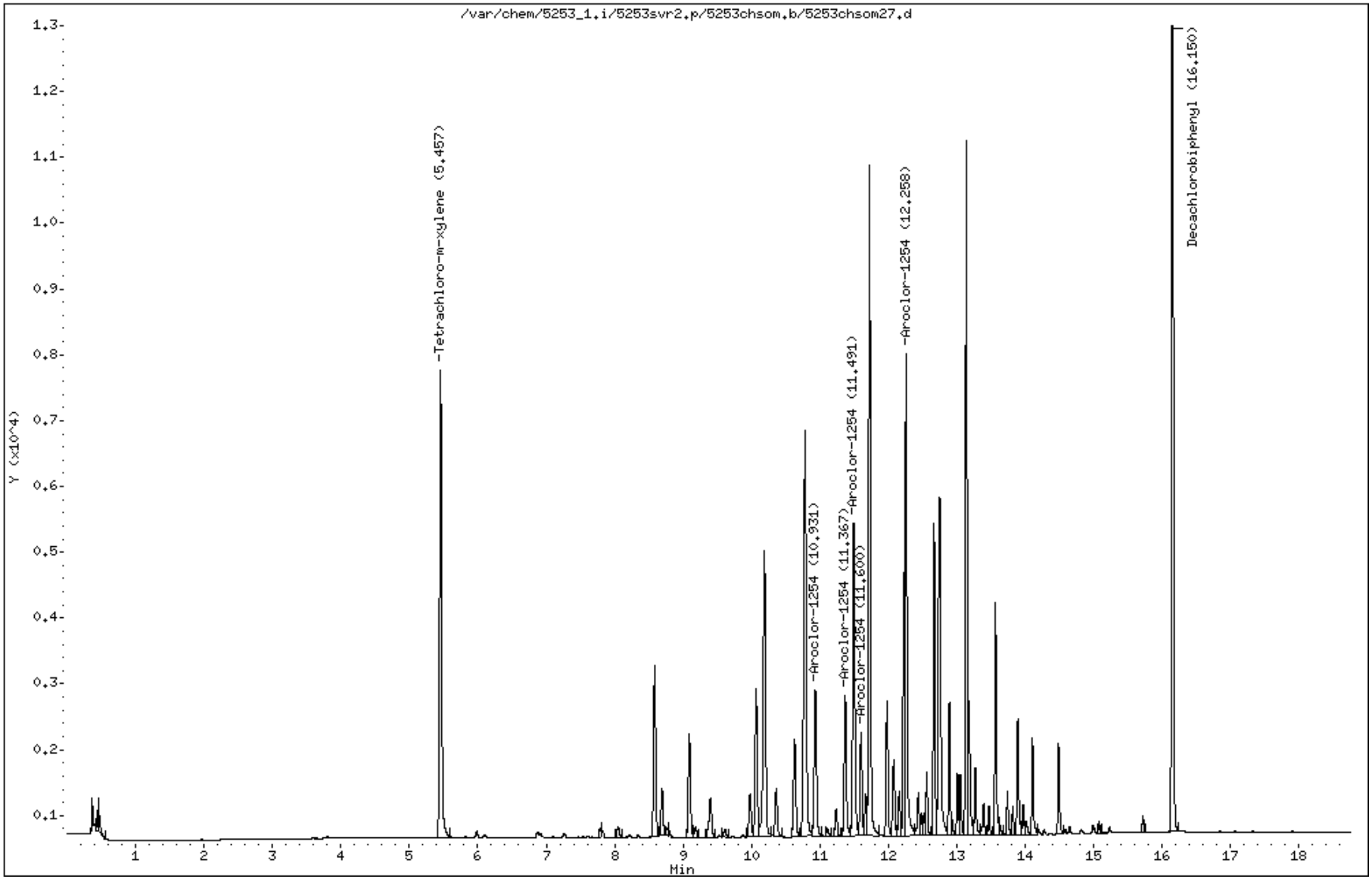
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom26.d
Lab Smp Id: IC-540885 Client Smp ID: AR12543S1
Inj Date : 14-AUG-2013 00:14
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-540885,1,AR12543S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4320	0.02000	0.02000	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.769	12.770	-0.001	2098	0.40000	0.3894	80.00- 120.00	100.00
13.010	13.010	0.000	1649	0.40000	0.3984	105.70- 145.70	78.60
13.206	13.209	-0.003	1993	0.40000	0.3983	132.86- 172.86	95.00
13.419	13.419	0.000	1366	0.40000	0.3952	83.52- 123.52	65.11
13.730	13.730	0.000	5364	0.40000	0.4043	92.98- 132.98	255.67
Average of Peak Amounts =					0.397		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	6912	0.04000	0.03825	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom27.d
Date : 14-AUG-2013 00:38
Client ID: AR1254481
Instrument: 5253_1.i
Sample Info: IC-492070,1,AR1254481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

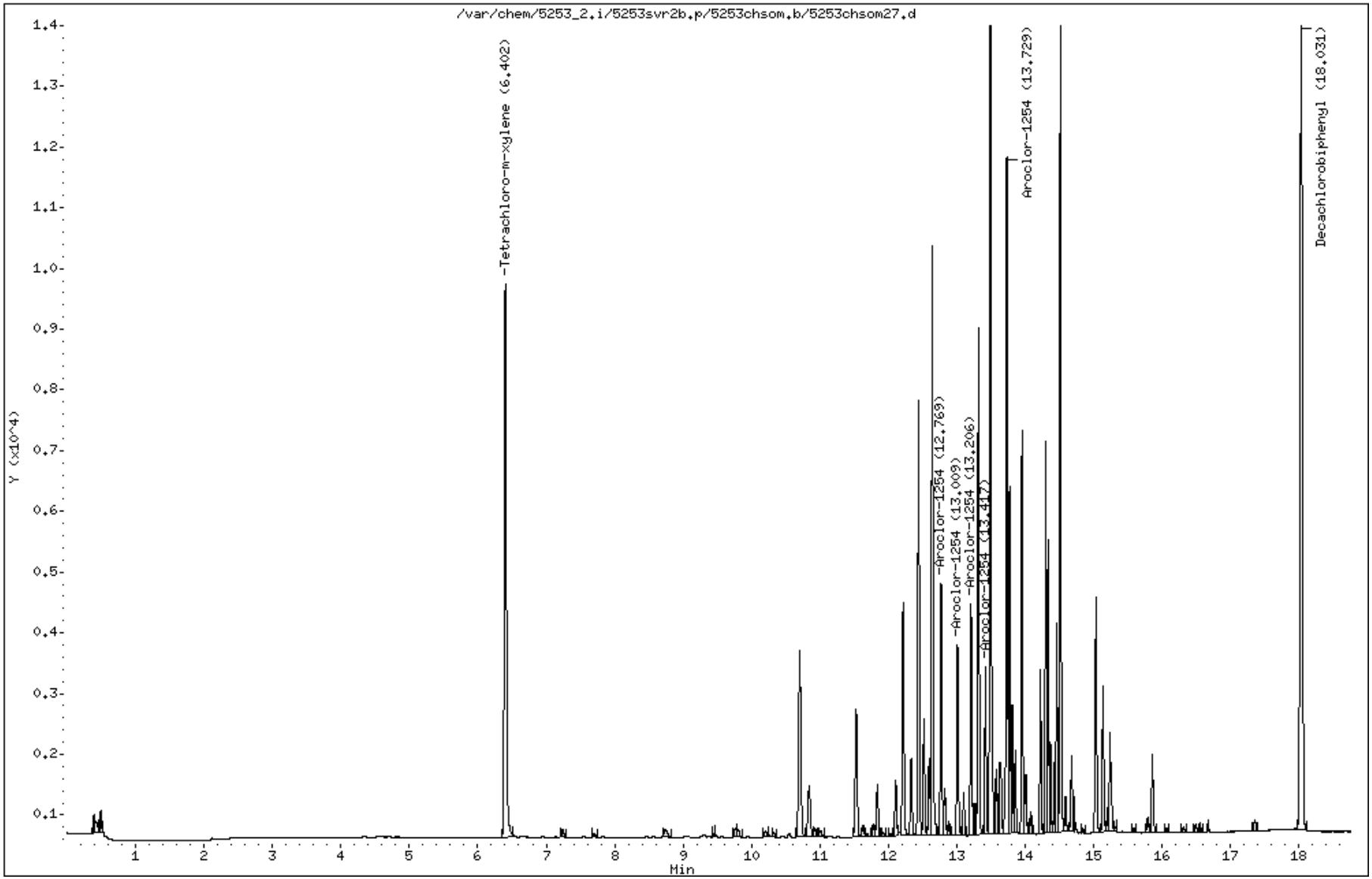
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom27.d
Lab Smp Id: IC-492070 Client Smp ID: AR12544S1
Inj Date : 14-AUG-2013 00:38
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492070,1,AR12544S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

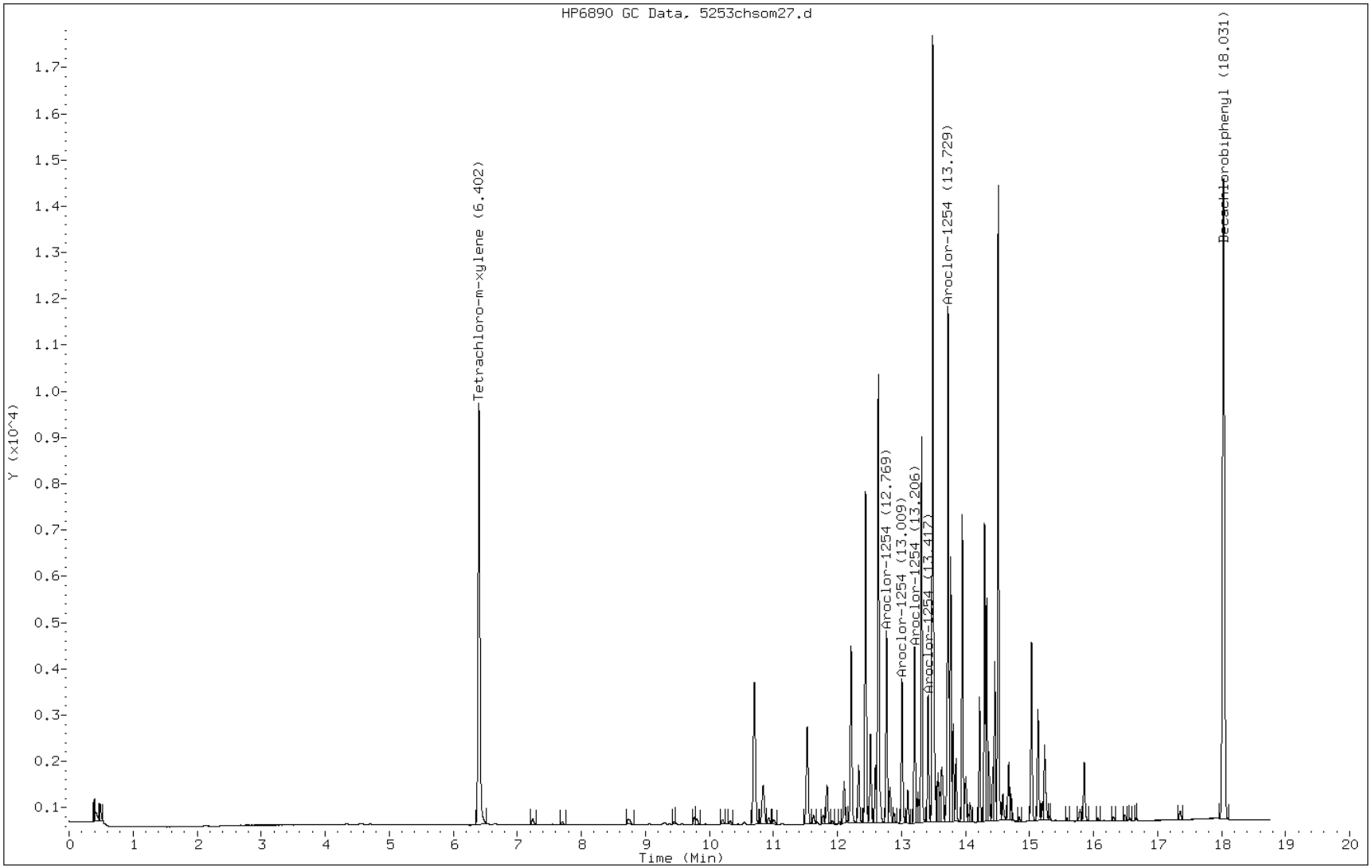
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	7093	0.04000	0.04059	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
10.931	10.931	0.000	2215	0.80000	0.7487	80.00- 120.00	100.00
11.367	11.370	-0.003	2129	0.80000	0.7625	105.70- 145.70	96.12
11.491	11.491	0.000	4755	0.80000	0.8044	132.86- 172.86	214.67
11.600	11.600	0.000	1577	0.80000	0.7707	83.52- 123.52	71.20
12.258	12.259	-0.001	7316	0.80000	0.8458	92.98- 132.98	330.29
Average of Peak Amounts =					0.786		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.150	16.151	-0.001	19603	0.08000	0.07749	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom27.d
Date : 14-AUG-2013 00:38
Client ID: AR1254S1
Instrument: 5253_2.i
Sample Info: IC-492070,1,AR1254S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File:	5253chsom27.d	Date:	14-AUG-2013 00:38
Client ID:	AR12544S1	Instrument:	5253_2.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-492070,1,AR12544S1		



Data File: 5253chsom27.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

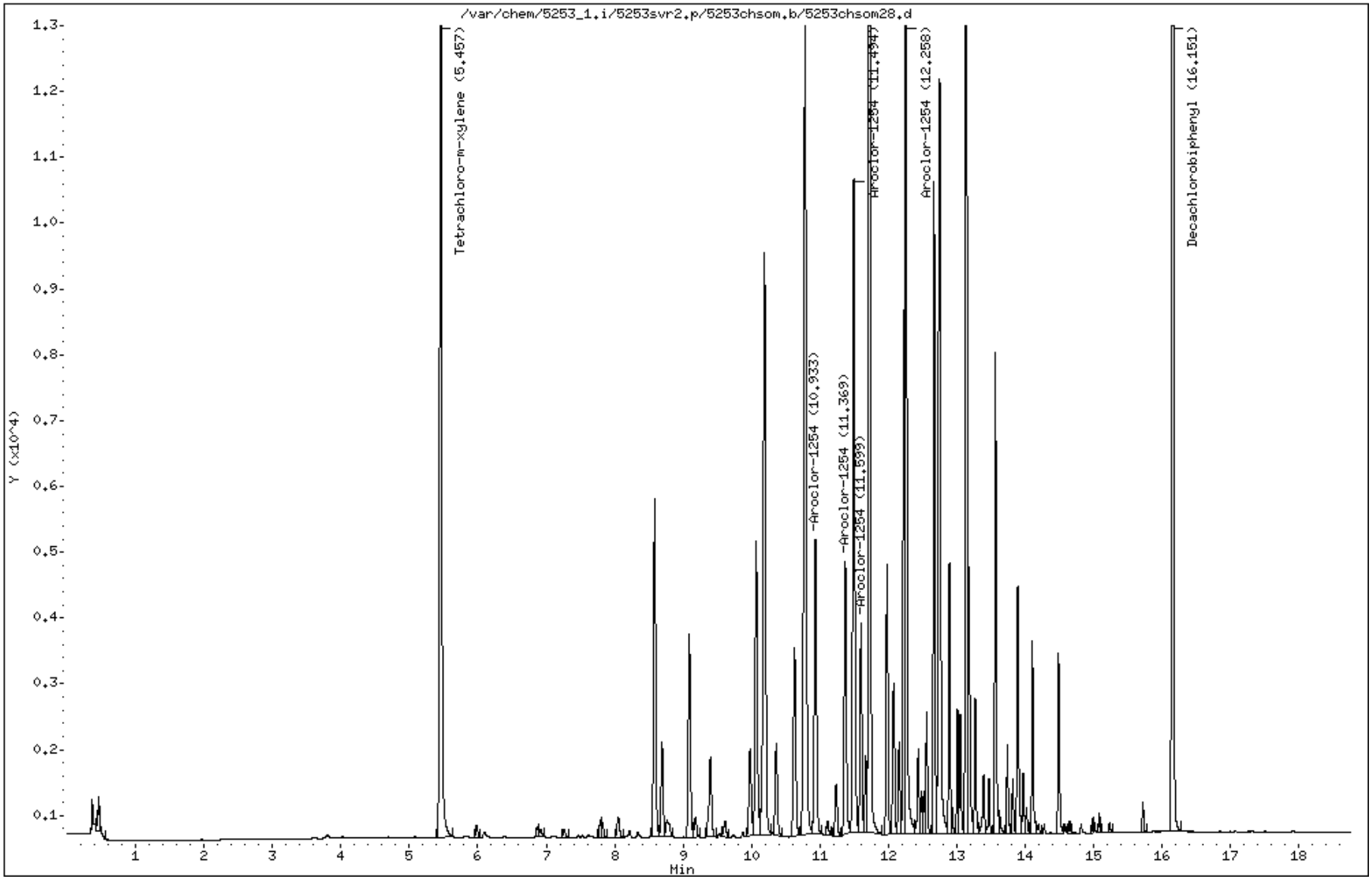
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom27.d
Lab Smp Id: IC-492070 Client Smp ID: AR12544S1
Inj Date : 14-AUG-2013 00:38
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492070,1,AR12544S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

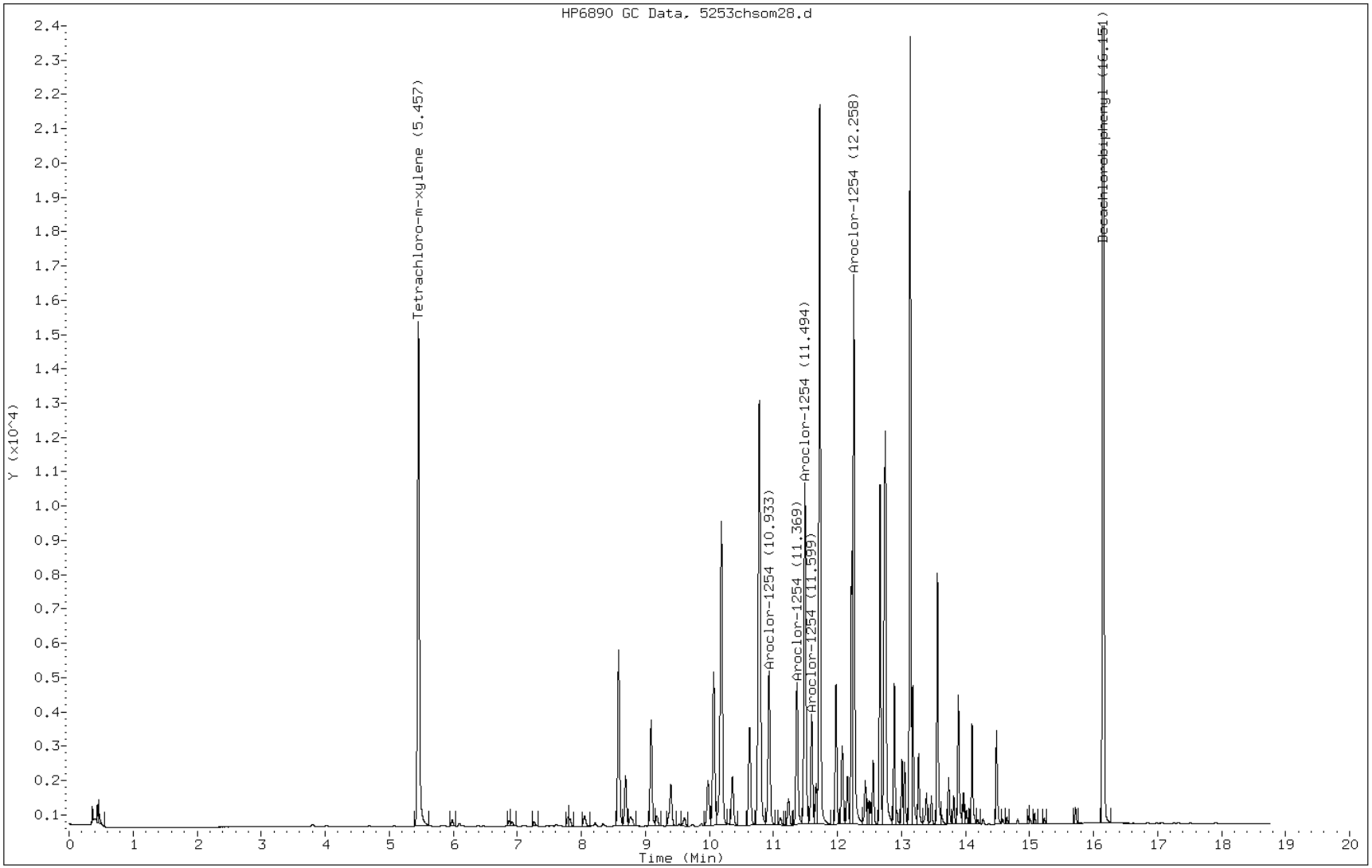
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	9096	0.04000	0.04210	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.769	12.770	-0.001	4151	0.80000	0.7704	80.00- 120.00	100.00
13.009	13.010	-0.001	3124	0.80000	0.7548	105.70- 145.70	75.26
13.206	13.209	-0.003	3810	0.80000	0.7613	132.86- 172.86	91.79
13.417	13.419	-0.002	2750	0.80000	0.7956	83.52- 123.52	66.25
13.729	13.730	-0.001	11145	0.80000	0.8401	92.98- 132.98	268.49
Average of Peak Amounts =					0.784		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	13845	0.08000	0.07662	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom28.d
Date : 14-AUG-2013 01:03
Client ID: AR12545S1
Instrument: 5253_1.i
Sample Info: IC-495569,1,AR12545S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom28.d
Client ID: AR12545S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-495569,1,AR12545S1

Date: 14-AUG-2013 01:03
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom28.d
Lab Smp Id: IC-495569 Client Smp ID: AR12545S1
Inj Date : 14-AUG-2013 01:03
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-495569,1,AR12545S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 28 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

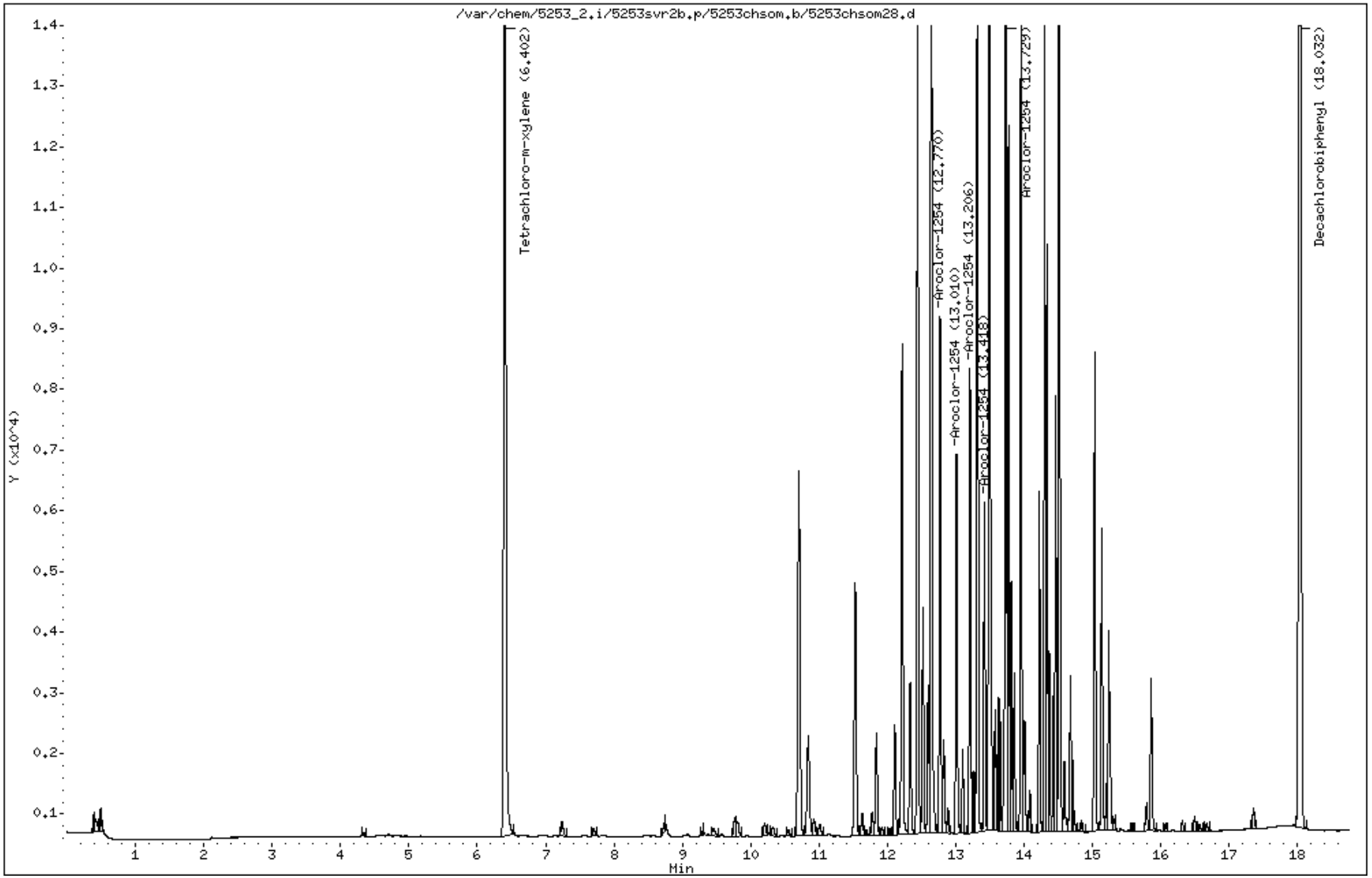
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	14705	0.08000	0.08416	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
10.933	10.931	0.002	4481	1.60000	1.515	80.00- 120.00	100.00(A)
11.369	11.370	-0.001	4131	1.60000	1.480	105.70- 145.70	92.19
11.494	11.491	0.003	9926	1.60000	1.679	132.86- 172.86	221.51
11.599	11.600	-0.001	3180	1.60000	1.554	83.52- 123.52	70.97
12.258	12.259	-0.001	16038	1.60000	1.854	92.98- 132.98	357.91
Average of Peak Amounts =					1.62		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	41559	0.16000	0.1643	80.00- 120.00	100.00

QC Flag Legend

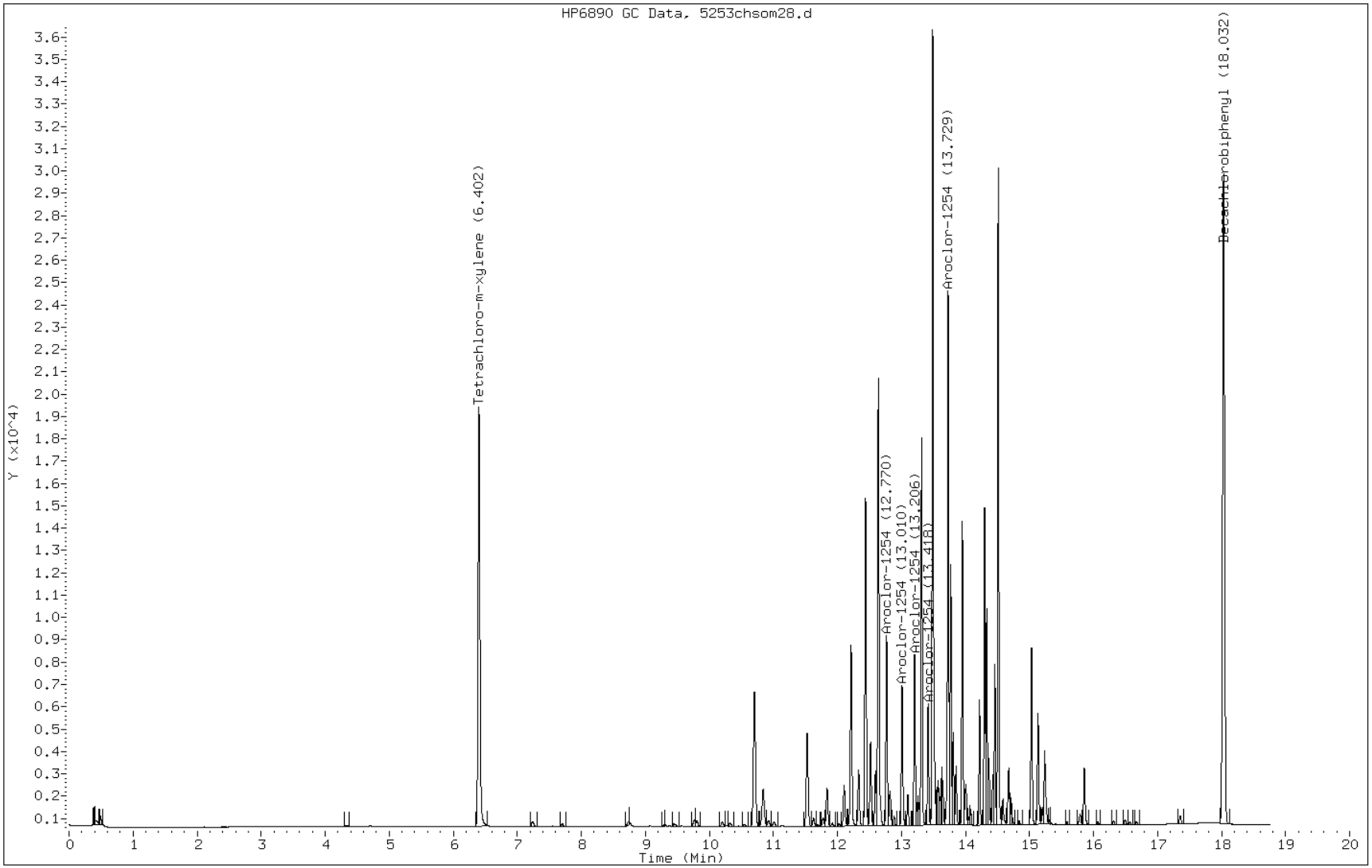
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom28.d
Date : 14-AUG-2013 01:03
Client ID: AR12545S1
Instrument: 5253_2.i
Sample Info: IC-495569,1,AR12545S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom28.d
Client ID: AR12545S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-495569,1,AR12545S1

Date: 14-AUG-2013 01:03
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom28.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

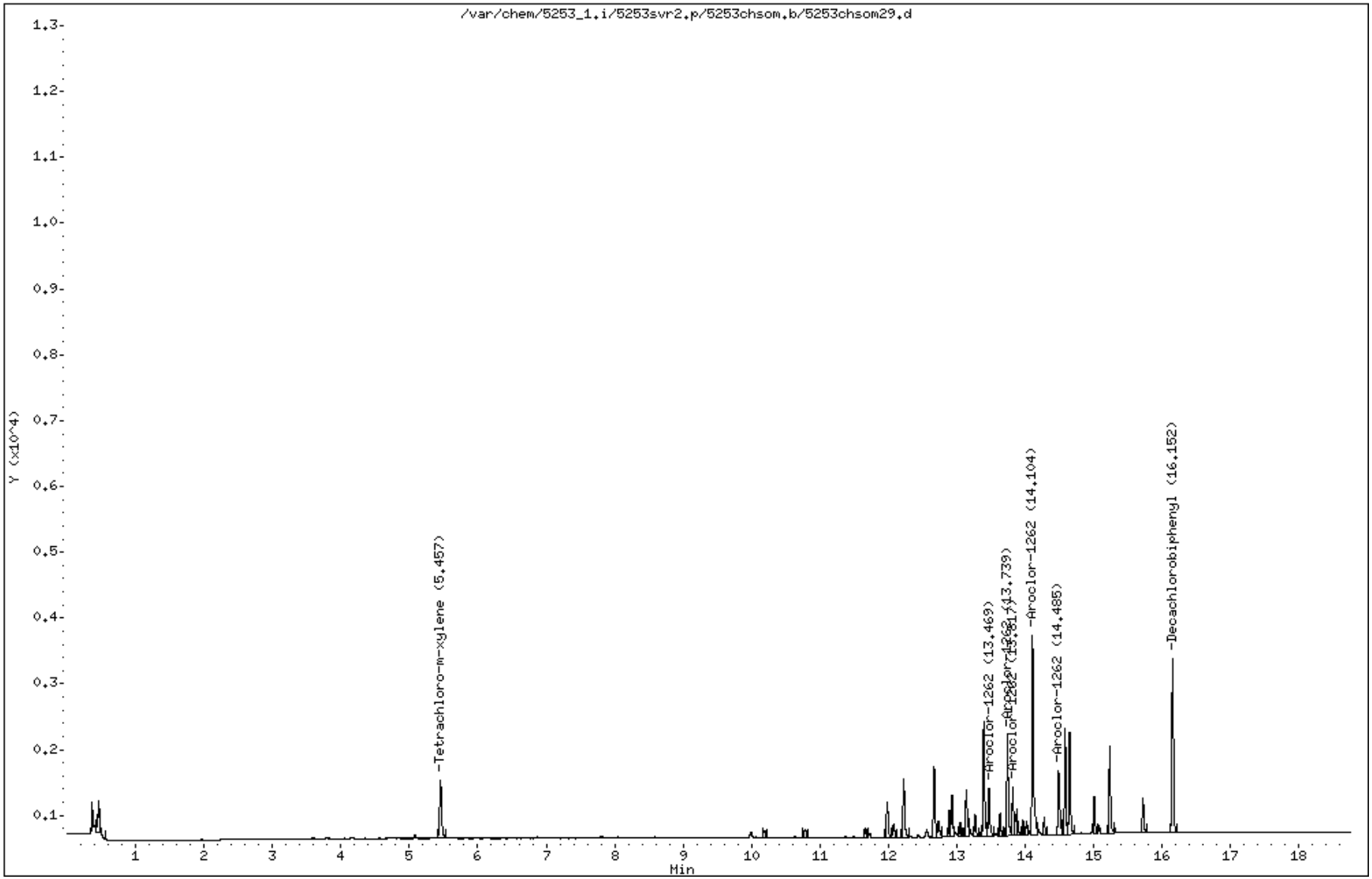
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom28.d
Lab Smp Id: IC-495569 Client Smp ID: AR12545S1
Inj Date : 14-AUG-2013 01:03
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-495569,1,AR12545S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 28 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	18777	0.08000	0.08691	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.770	12.770	0.000	8524	1.60000	1.582	80.00- 120.00	100.00
13.010	13.010	0.000	6260	1.60000	1.512	105.70- 145.70	73.44
13.206	13.209	-0.003	7667	1.60000	1.532	132.86- 172.86	89.95
13.418	13.419	-0.001	5425	1.60000	1.569	83.52- 123.52	63.64
13.729	13.730	-0.001	23894	1.60000	1.801	92.98- 132.98	280.31
Average of Peak Amounts =					1.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	29107	0.16000	0.1611	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom29.d
Date : 14-AUG-2013 01:27
Client ID: AR12621S1
Instrument: 5253_1.i
Sample Info: IC-492069,1,AR12621S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom29.d
Lab Smp Id: IC-492069 Client Smp ID: AR12621S1
Inj Date : 14-AUG-2013 01:27
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492069,1,AR12621S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 29 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	863	0.00500	0.004939	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.469	13.469	0.000	714	0.10000	0.09859	0.00- 20.00	100.00(aM)
13.739	13.739	0.000	1527	0.10000	0.09654	0.00- 20.00	213.87
13.816	13.817	-0.001	727	0.10000	0.1031	0.00- 20.00	101.82
14.104	14.101	0.003	3037	0.10000	0.09109	0.00- 20.00	425.35
14.485	14.485	0.000	964	0.10000	0.09997	0.00- 20.00	135.01
Average of Peak Amounts =					0.0979		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	2638	0.01000	0.01043	80.00- 120.00	100.00(M)

QC Flag Legend

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

QC Flag Legend

M - Compound response manually integrated.

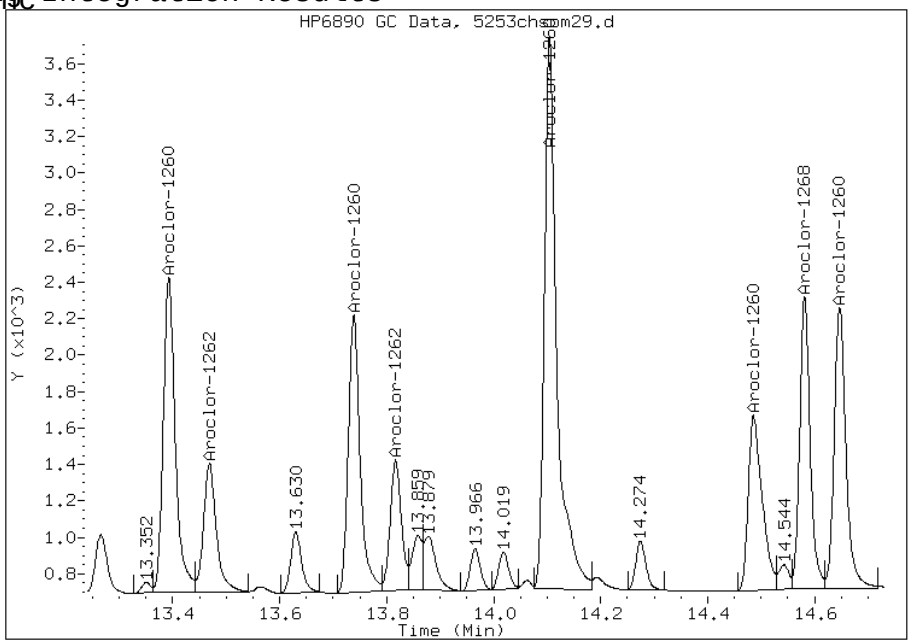
Manual Integration Report

Data File: 5253chsom29.d
Lab Sample ID: IC-492069
Inj. Date and Time: 14-AUG-2013 01:27
Instrument ID: 5253_1.i
Client ID: AR12621S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.47	706*	0.10
13.74	1524*	0.10
13.82	716*	0.10
14.10	3026*	0.09
14.49	962*	0.10

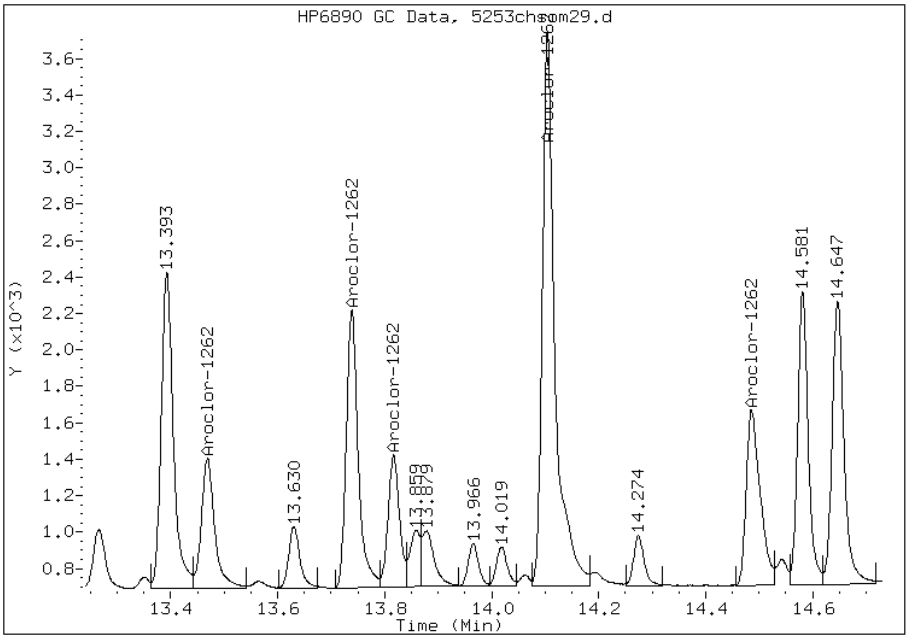
Final Conc		0.10



Manual Integration Results

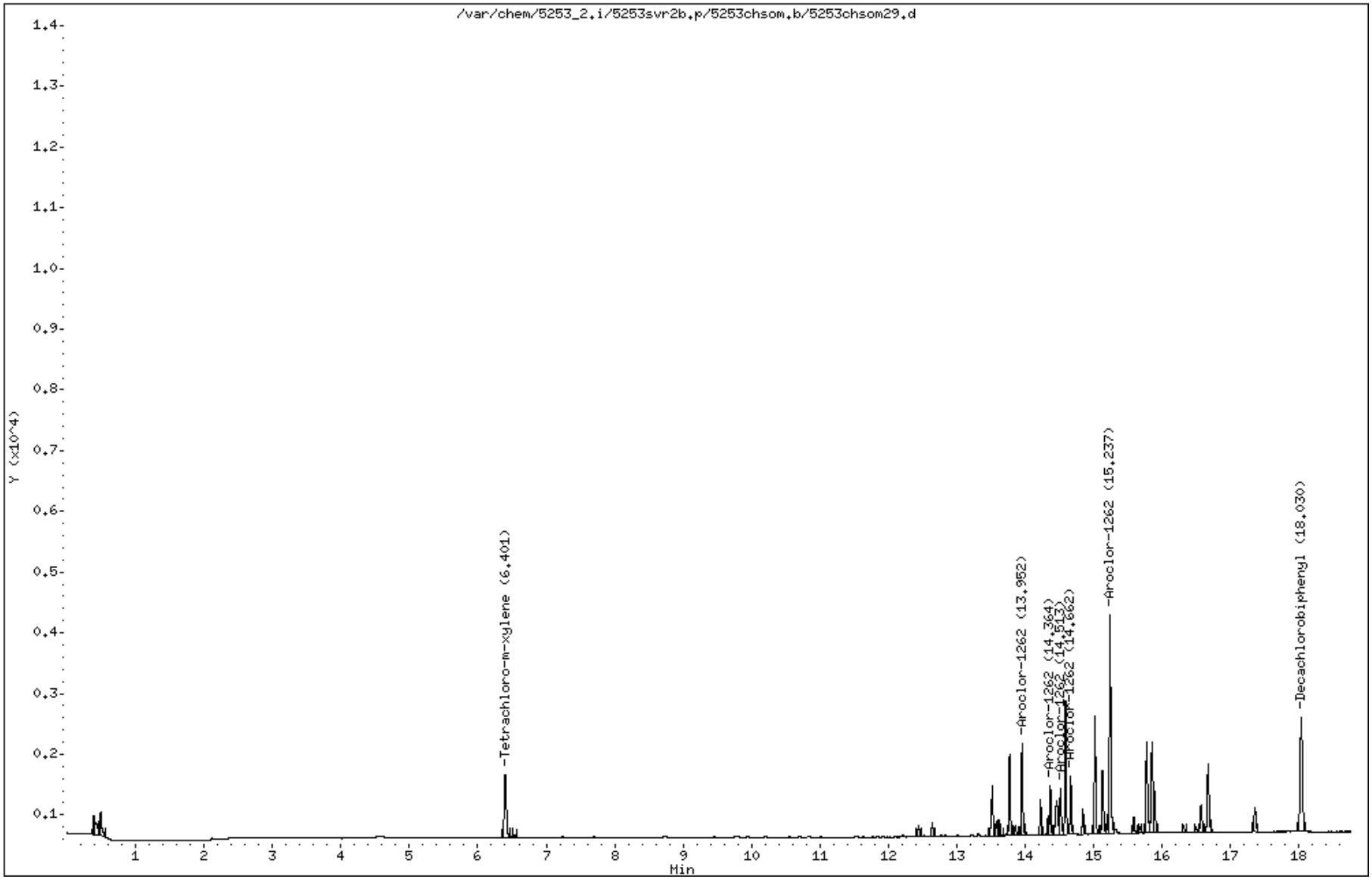
RT	Response	Conc
13.47	714*	0.10
13.74	1527*	0.10
13.82	727*	0.10
14.10	3037*	0.09
14.49	964*	0.10

Final Conc		0.10



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom29.d
Date : 14-AUG-2013 01:27
Client ID: AR12621S1 Instrument: 5253_2.i
Sample Info: IC-492069,1,AR12621S1
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-35 Column diameter: 0.25



Data File: 5253chsom29.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom29.d
Lab Smp Id: IC-492069 Client Smp ID: AR12621S1
Inj Date : 14-AUG-2013 01:27
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492069,1,AR12621S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 29 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.401	6.402	-0.001	1039	0.00500	0.004809	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.952	13.951	0.001	1510	0.10000	0.1029	0.00- 20.00	100.00(M)
14.364	14.363	0.001	808	0.10000	0.1099	0.00- 20.00	53.51
14.513	14.511	0.002	754	0.10000	0.1018	0.00- 20.00	49.93
14.662	14.661	0.001	947	0.10000	0.1061	0.00- 20.00	62.72
15.237	15.239	-0.002	3584	0.10000	0.09696	0.00- 20.00	237.35
Average of Peak Amounts =					0.104		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.030	18.032	-0.002	1878	0.01000	0.01039	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

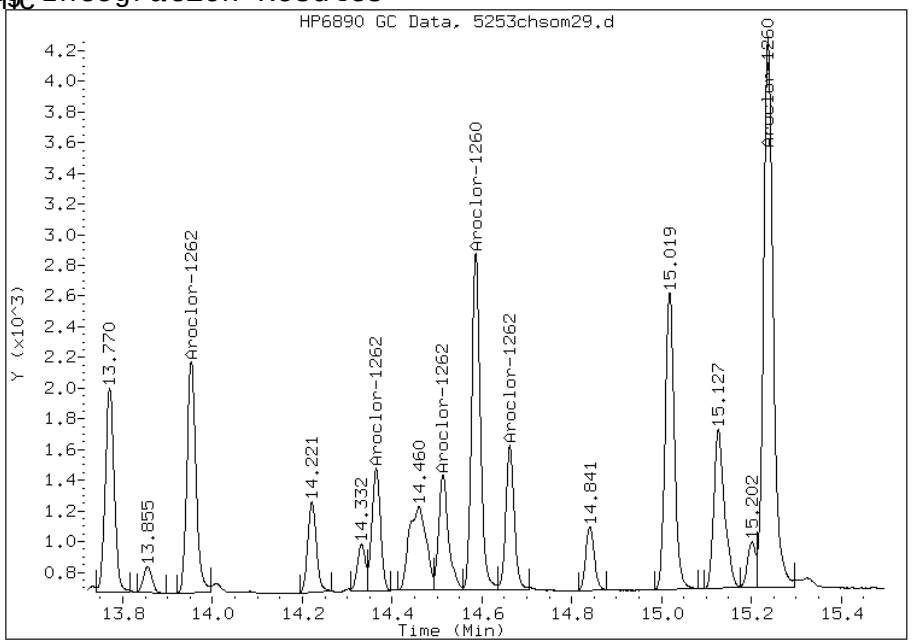
Manual Integration Report

Data File: 5253chsom29.d
Lab Sample ID: IC-492069
Inj. Date and Time: 14-AUG-2013 01:27
Instrument ID: 5253_2.i
Client ID: AR12621S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.95	1507*	0.10
14.36	802*	0.11
14.51	749*	0.10
14.66	942*	0.11
15.24	3584	0.10

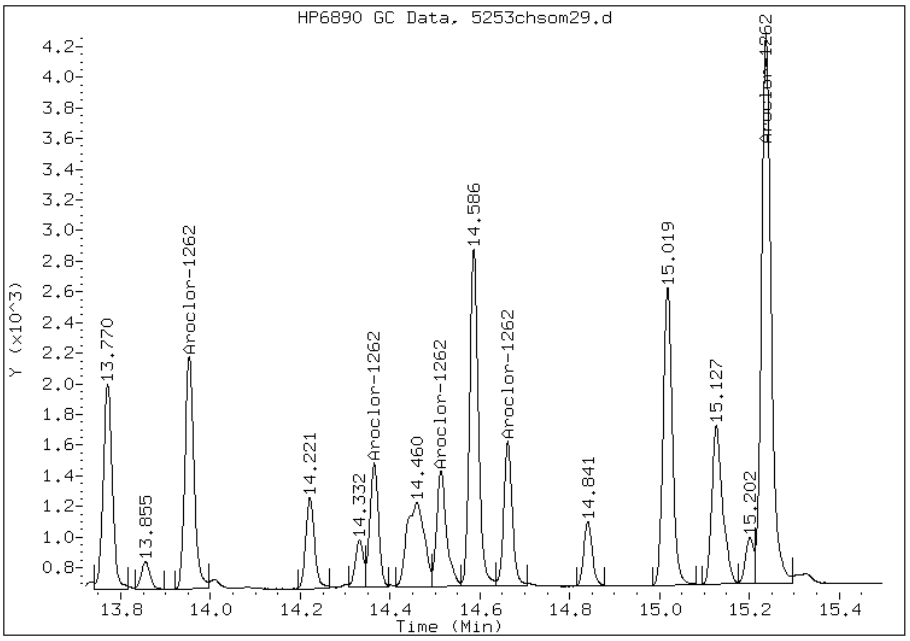
Final Conc		0.10



Manual Integration Results

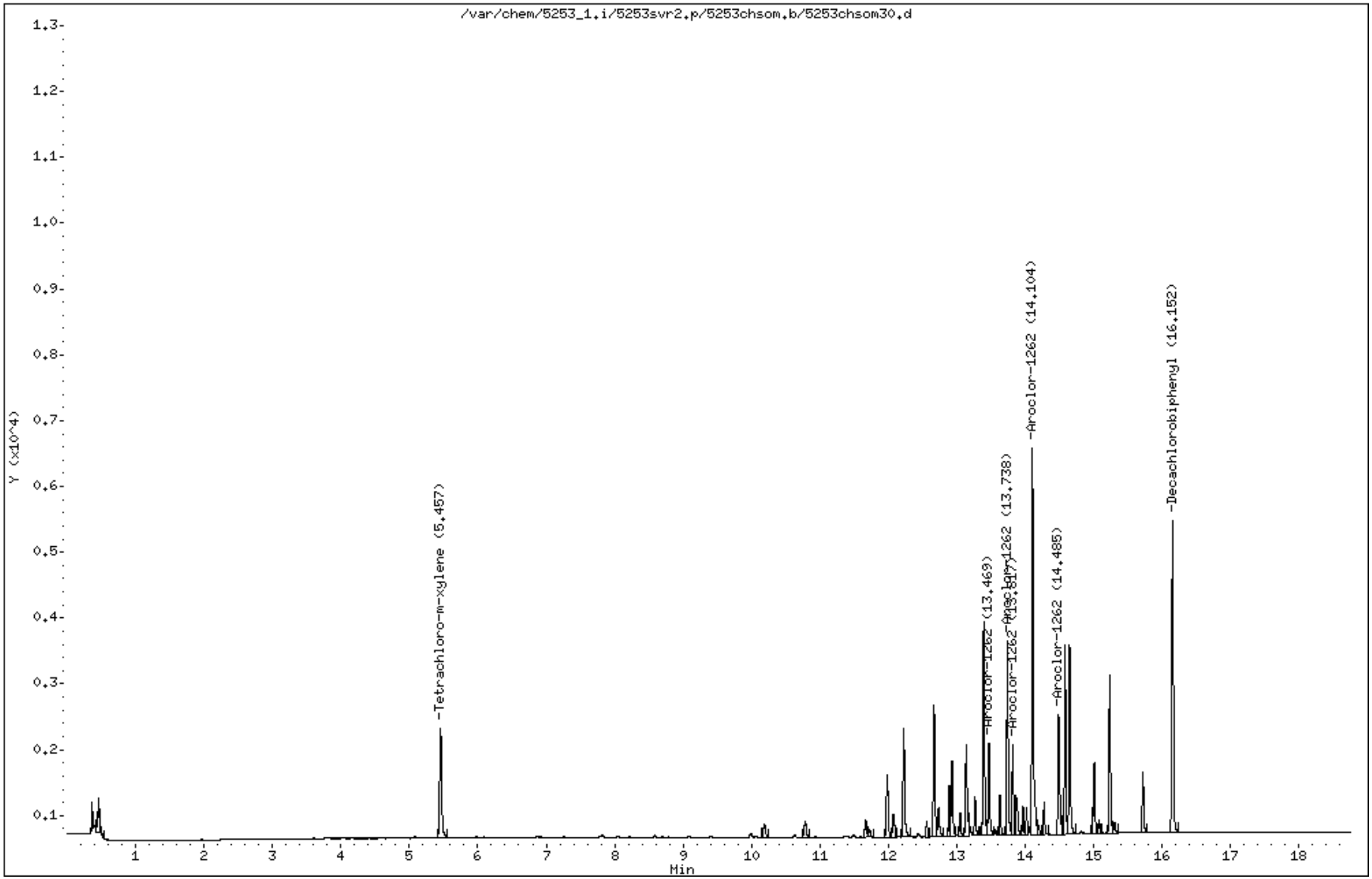
RT	Response	Conc
13.95	1510*	0.10
14.36	808*	0.11
14.51	754*	0.10
14.66	947*	0.11
15.24	3584	0.10

Final Conc		0.10



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom30.d
Date : 14-AUG-2013 01:52
Client ID: AR1262S1
Instrument: 5253_1.i
Sample Info: IC-492068,1,AR1262S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom30.d
Lab Smp Id: IC-492068 Client Smp ID: AR12622S1
Inj Date : 14-AUG-2013 01:52
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492068,1,AR12622S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 30 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	1659	0.01000	0.009495	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.469	13.469	0.000	1403	0.20000	0.1937	0.00- 20.00	100.00(M)
13.738	13.739	-0.001	2947	0.20000	0.1863	0.00- 20.00	210.05
13.817	13.817	0.000	1356	0.20000	0.1922	0.00- 20.00	96.65
14.104	14.101	0.003	5872	0.20000	0.1761	0.00- 20.00	418.53
14.485	14.485	0.000	1821	0.20000	0.1889	0.00- 20.00	129.79
Average of Peak Amounts =					0.187		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	4736	0.02000	0.01872	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

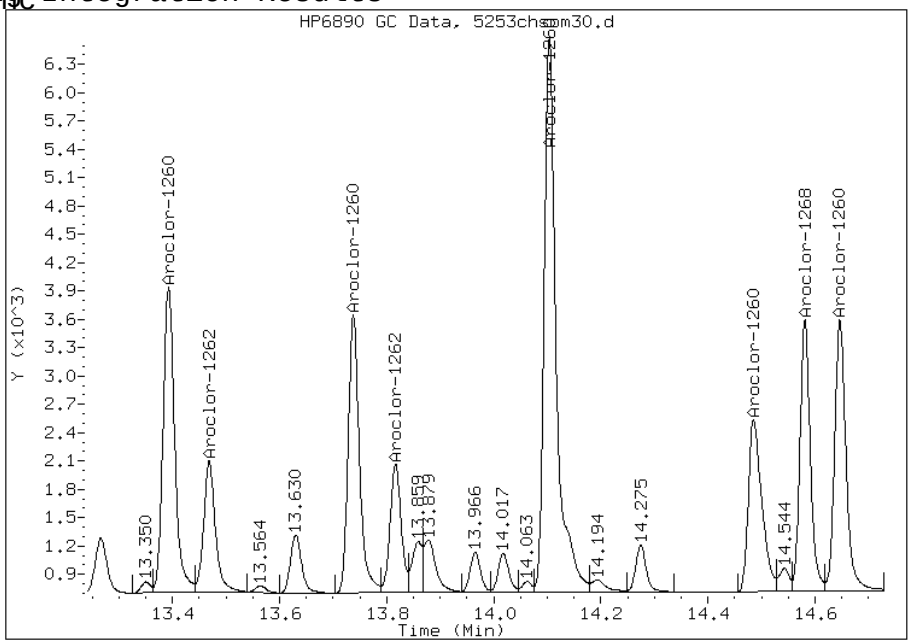
Manual Integration Report

Data File: 5253chsom30.d
Lab Sample ID: IC-492068
Inj. Date and Time: 14-AUG-2013 01:52
Instrument ID: 5253_1.i
Client ID: AR12622S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.47	1399*	0.19
13.74	2947	0.19
13.82	1356	0.19
14.10	5872	0.18
14.49	1818*	0.19

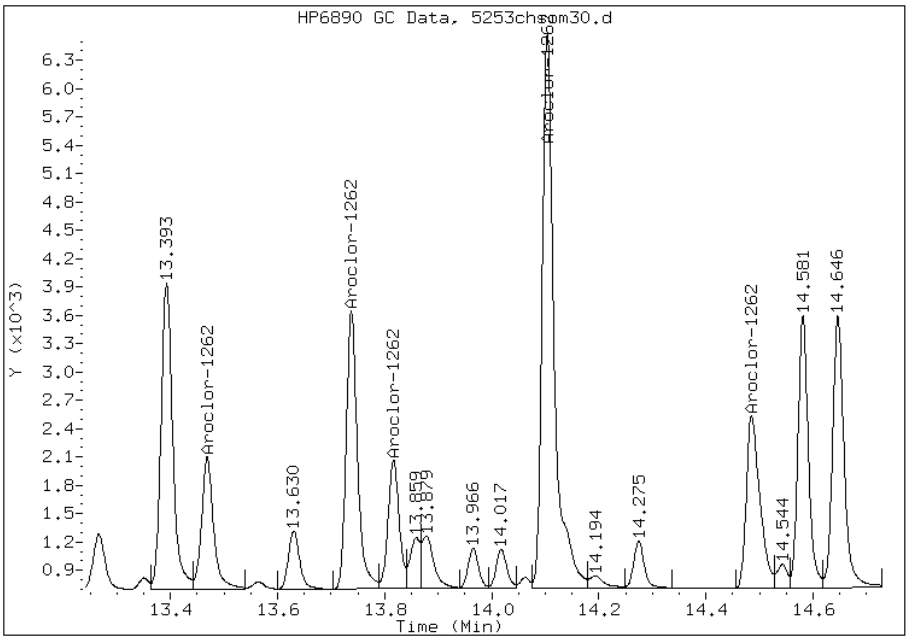
Final Conc		0.19



Manual Integration Results

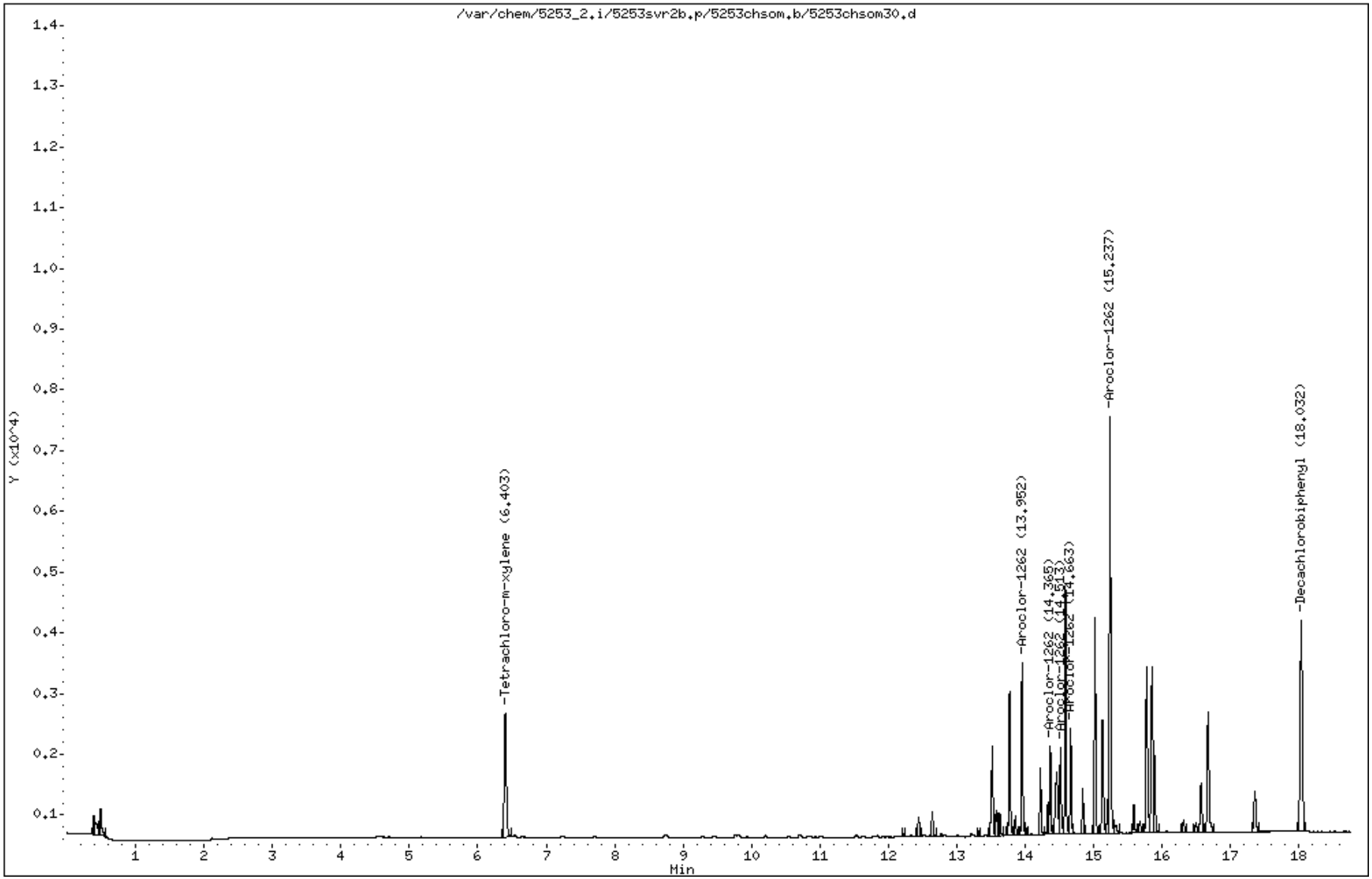
RT	Response	Conc
13.47	1403*	0.19
13.74	2947	0.19
13.82	1356	0.19
14.10	5872	0.18
14.49	1821*	0.19

Final Conc		0.19



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom30.d
Date : 14-AUG-2013 01:52
Client ID: AR1262S1
Instrument: 5253_2.i
Sample Info: IC-492068,1,AR1262S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom30.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom30.d
Lab Smp Id: IC-492068 Client Smp ID: AR12622S1
Inj Date : 14-AUG-2013 01:52
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492068,1,AR12622S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 30 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	2050	0.01000	0.009488	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.952	13.951	0.001	2840	0.20000	0.1936	0.00- 20.00	100.00(M)
14.365	14.363	0.002	1460	0.20000	0.1986	0.00- 20.00	51.41
14.513	14.511	0.002	1420	0.20000	0.1916	0.00- 20.00	50.00
14.663	14.661	0.002	1727	0.20000	0.1934	0.00- 20.00	60.81
15.237	15.239	-0.002	6852	0.20000	0.1854	0.00- 20.00	241.27
Average of Peak Amounts =					0.193		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	3473	0.02000	0.01922	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

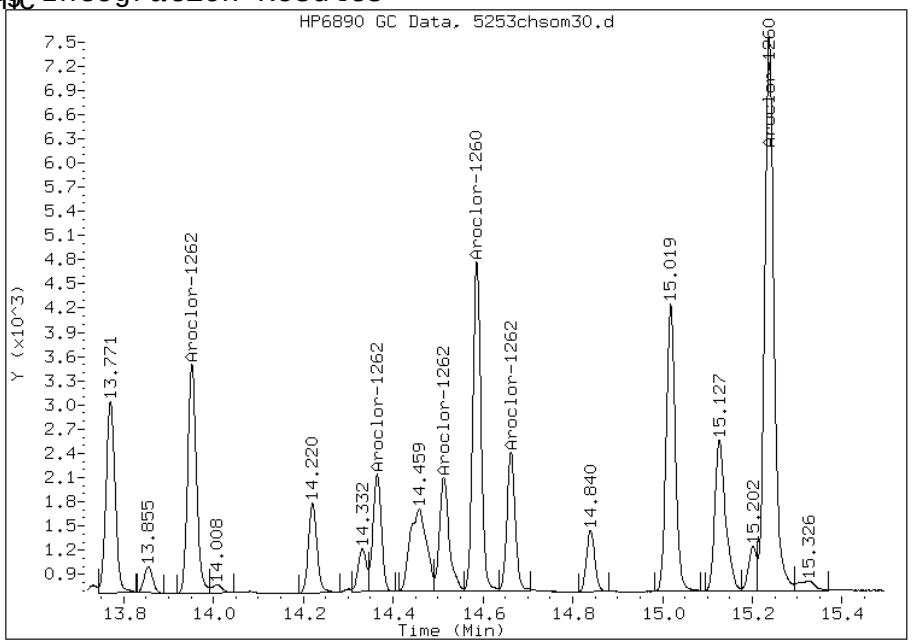
Manual Integration Report

Data File: 5253chsom30.d
Lab Sample ID: IC-492068
Inj. Date and Time: 14-AUG-2013 01:52
Instrument ID: 5253_2.i
Client ID: AR12622S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.95	2840	0.19
14.37	1455*	0.20
14.51	1414*	0.19
14.66	1724*	0.19
15.24	6852	0.19

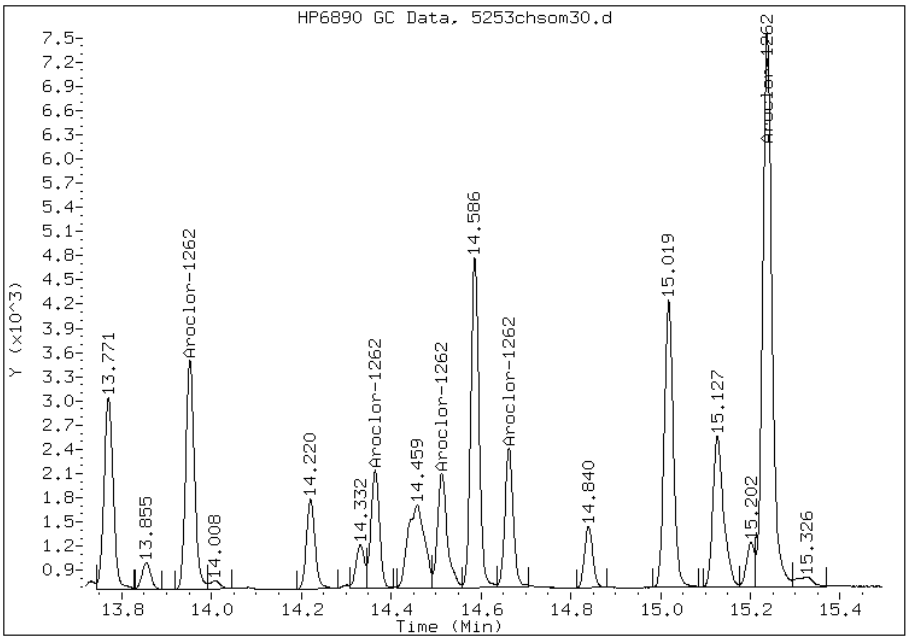
Final Conc		0.19



Manual Integration Results

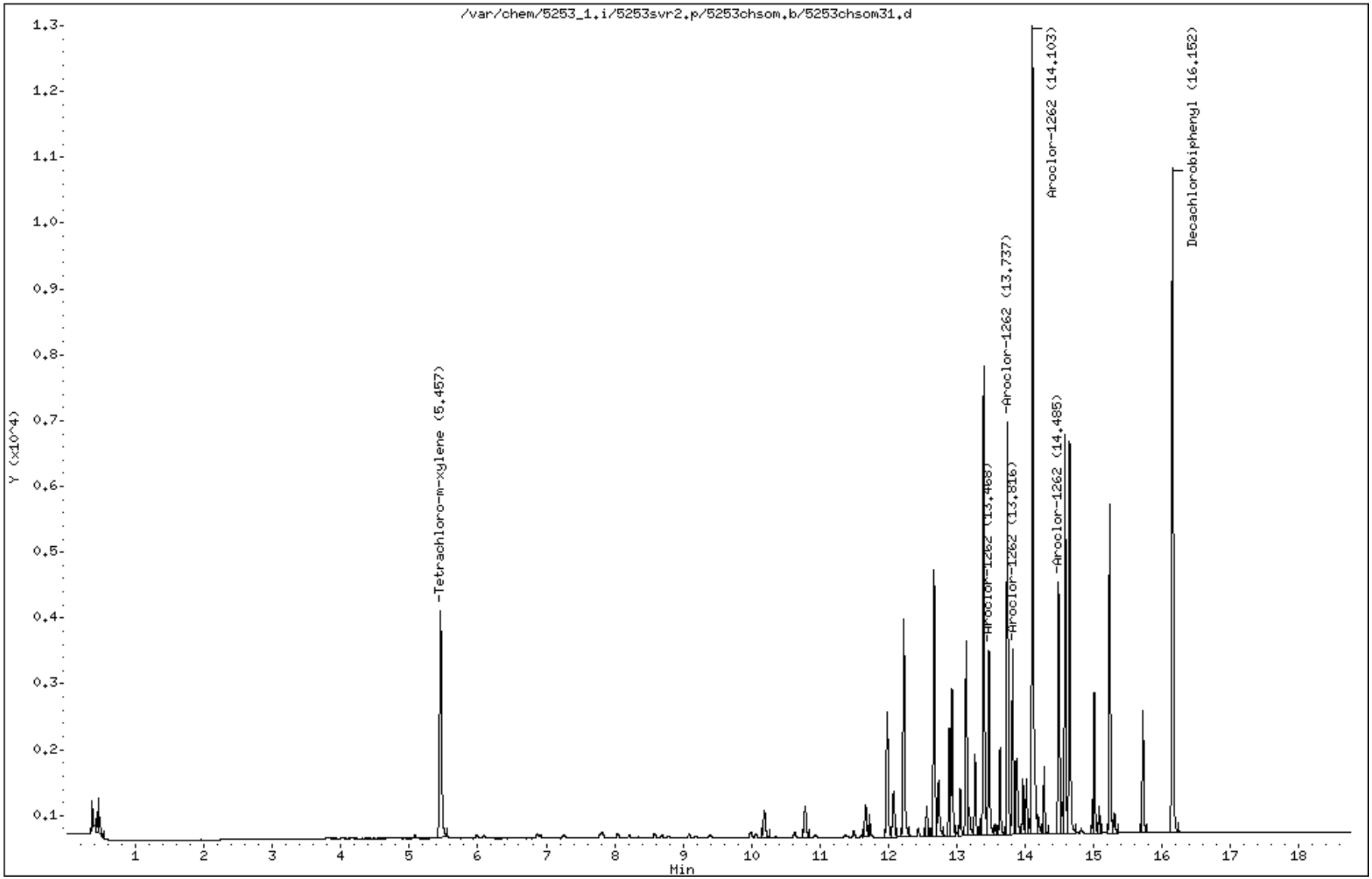
RT	Response	Conc
13.95	2840	0.19
14.37	1460*	0.20
14.51	1420*	0.19
14.66	1727*	0.19
15.24	6852	0.19

Final Conc		0.19



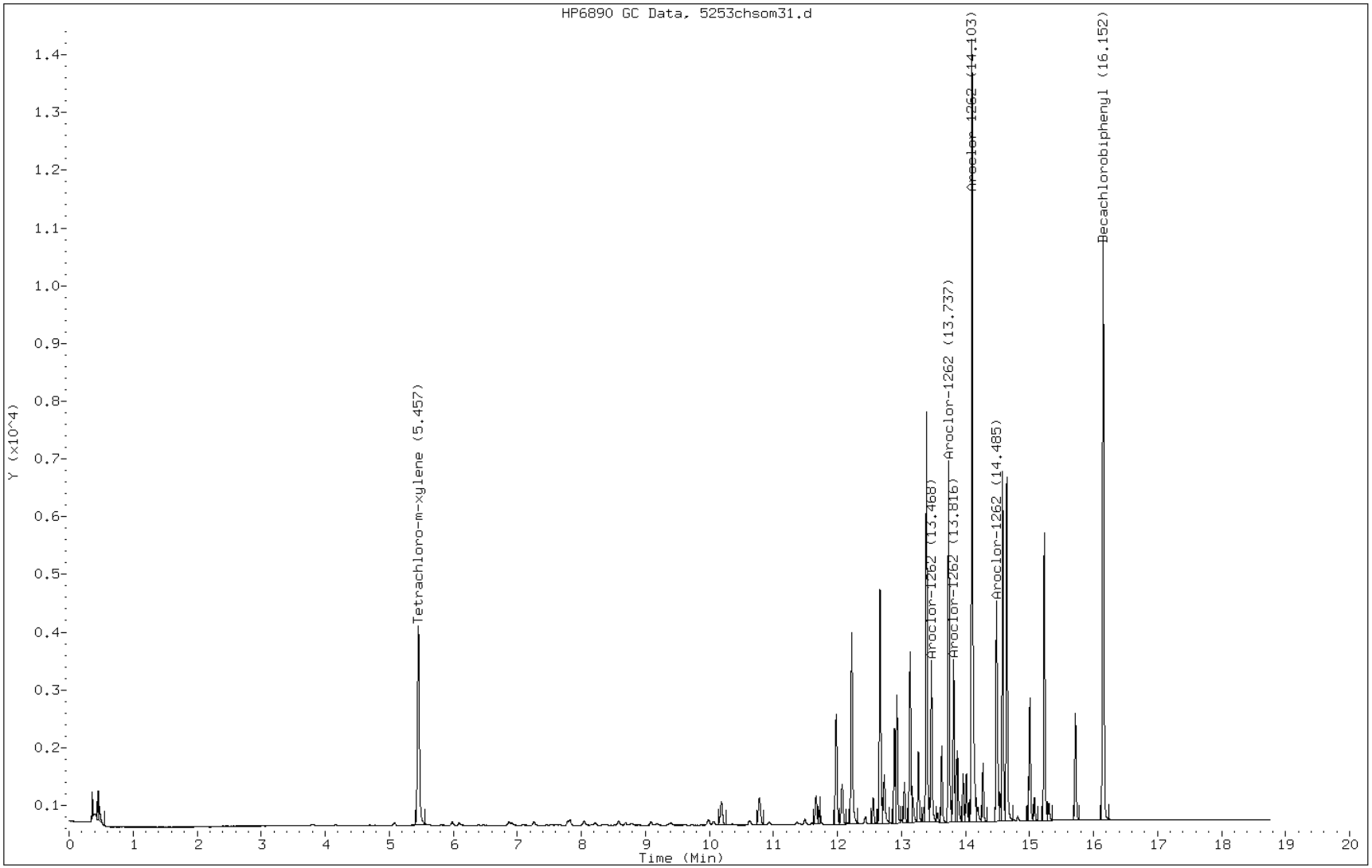
File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom31.d
Date : 14-AUG-2013 02:17
Client ID: AR12623S1
Instrument: 5253_1.i
Sample Info: IC-492067,1,AR12623S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom31.d
Client ID: AR12623S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492067,1,AR12623S1

Date: 14-AUG-2013 02:17
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

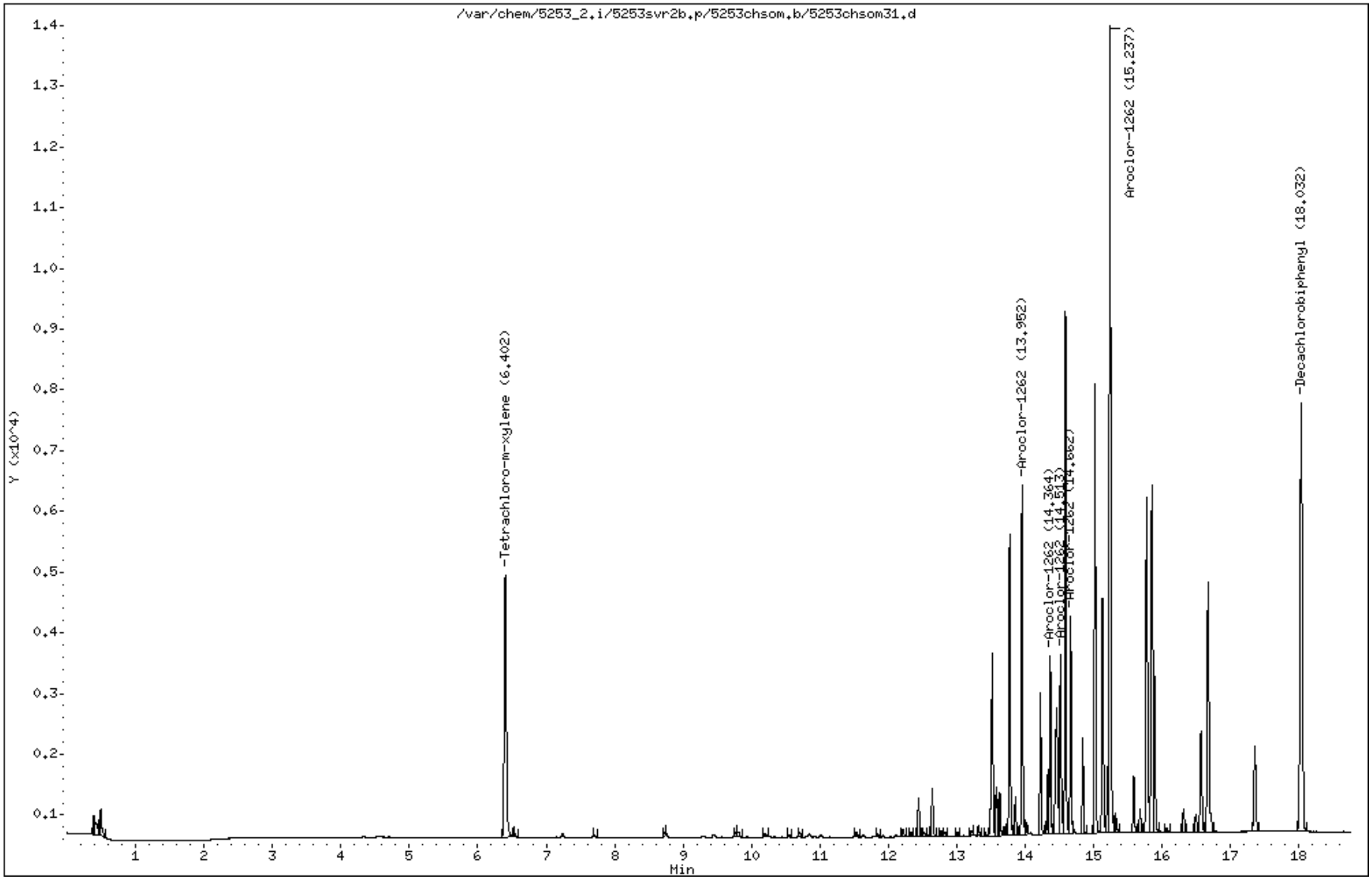
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom31.d
Lab Smp Id: IC-492067 Client Smp ID: AR12623S1
Inj Date : 14-AUG-2013 02:17
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492067,1,AR12623S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 31 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

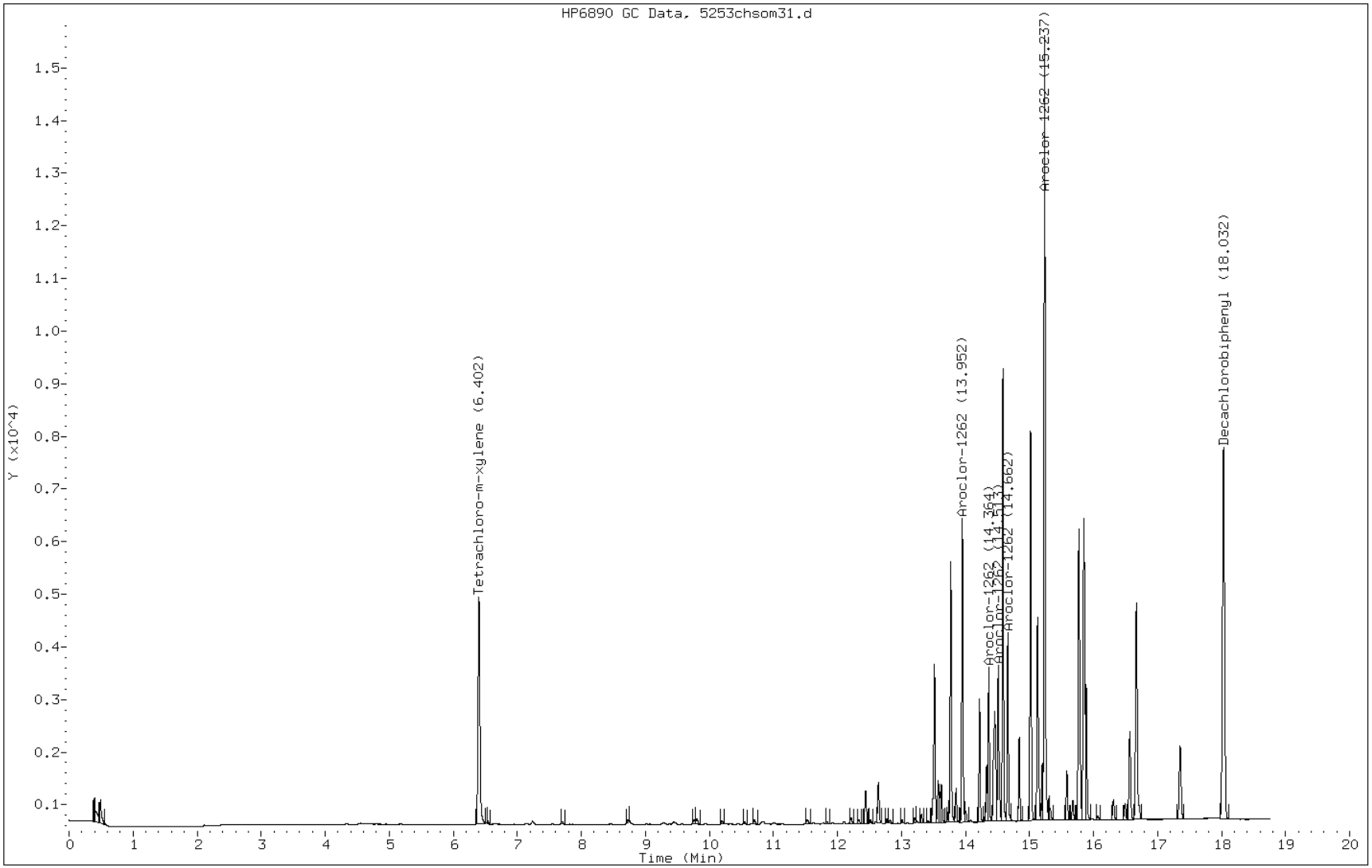
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	3436	0.02000	0.01966	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.468	13.469	-0.001	2804	0.40000	0.3872	0.00- 20.00	100.00
13.737	13.739	-0.002	6261	0.40000	0.3958	0.00- 20.00	223.29
13.816	13.817	-0.001	2805	0.40000	0.3977	0.00- 20.00	100.04
14.103	14.101	0.002	13546	0.40000	0.4063	0.00- 20.00	483.10
14.485	14.485	0.000	3818	0.40000	0.3960	0.00- 20.00	136.16
Average of Peak Amounts =					0.397		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	10092	0.04000	0.03989	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom31.d
Date : 14-AUG-2013 02:17
Client ID: AR12623S1
Instrument: 5253_2.i
Sample Info: IC-492067,1,AR12623S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom31.d
Client ID: AR12623S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492067,1,AR12623S1

Date: 14-AUG-2013 02:17
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom31.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom31.d
Lab Smp Id: IC-492067 Client Smp ID: AR12623S1
Inj Date : 14-AUG-2013 02:17
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492067,1,AR12623S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 31 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	4310	0.02000	0.01995	80.00- 120.00	100.00(M)
9 Aroclor-1262					CAS #: 37324-23-5		
13.952	13.951	0.001	5767	0.40000	0.3932	0.00- 20.00	100.00(M)
14.364	14.363	0.001	2927	0.40000	0.3982	0.00- 20.00	50.75
14.513	14.511	0.002	2948	0.40000	0.3978	0.00- 20.00	51.12
14.662	14.661	0.001	3565	0.40000	0.3993	0.00- 20.00	61.82
15.237	15.239	-0.002	14901	0.40000	0.4031	0.00- 20.00	258.38
Average of Peak Amounts =					0.398		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	7049	0.04000	0.03901	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

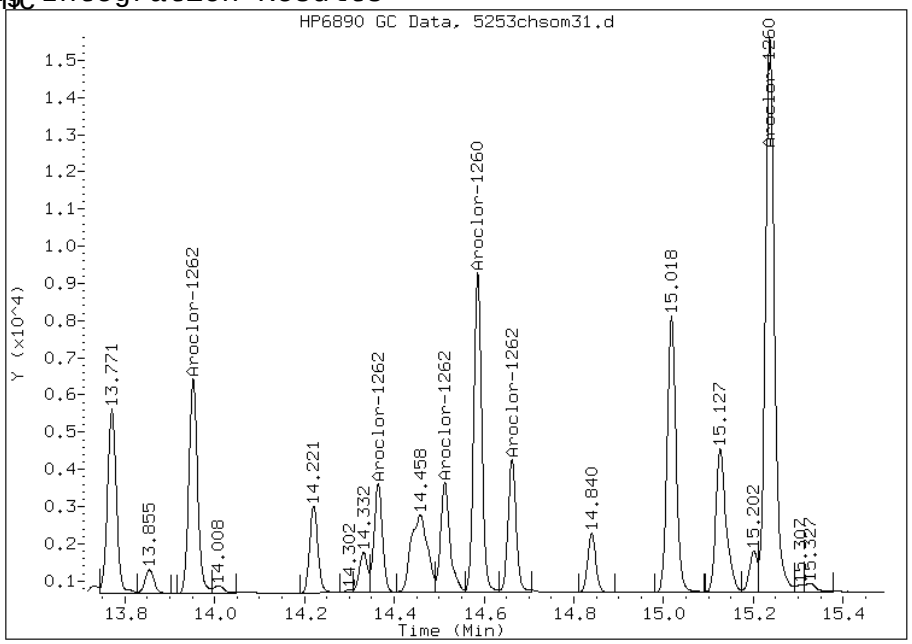
Manual Integration Report

Data File: 5253chsom31.d
Lab Sample ID: IC-492067
Inj. Date and Time: 14-AUG-2013 02:17
Instrument ID: 5253_2.i
Client ID: AR12623S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.95	5767	0.39
14.36	2927	0.40
14.51	2948	0.40
14.66	3565	0.40
15.24	14901	0.40

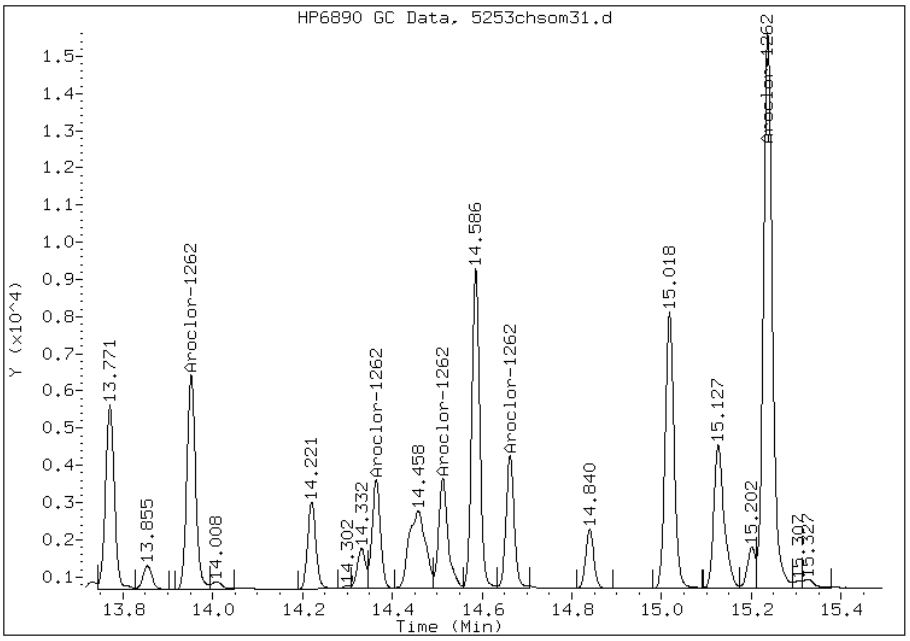
Final Conc		0.40



Manual Integration Results

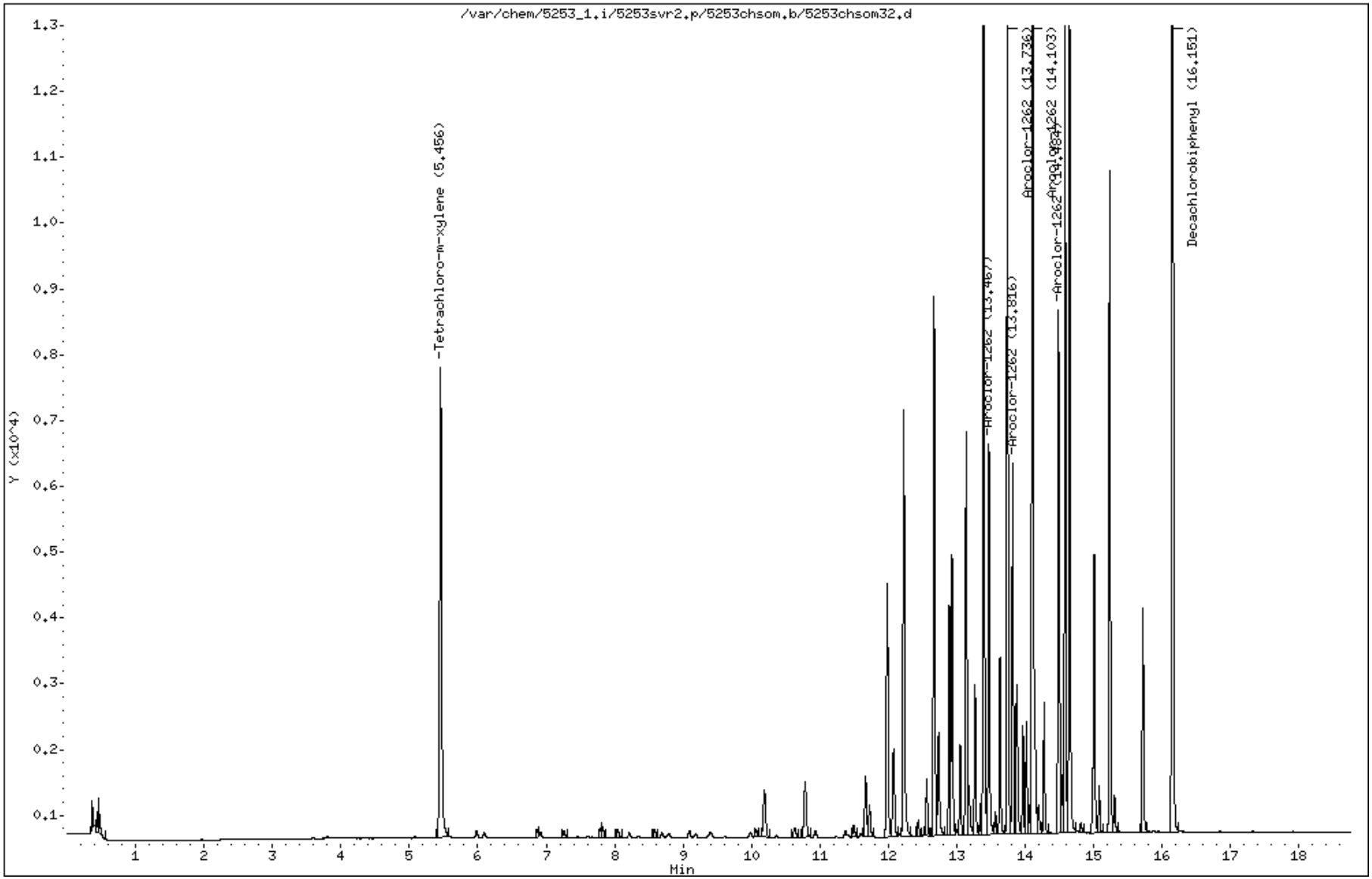
RT	Response	Conc
13.95	5767	0.39
14.36	2927	0.40
14.51	2948	0.40
14.66	3565	0.40
15.24	14901	0.40

Final Conc		0.40



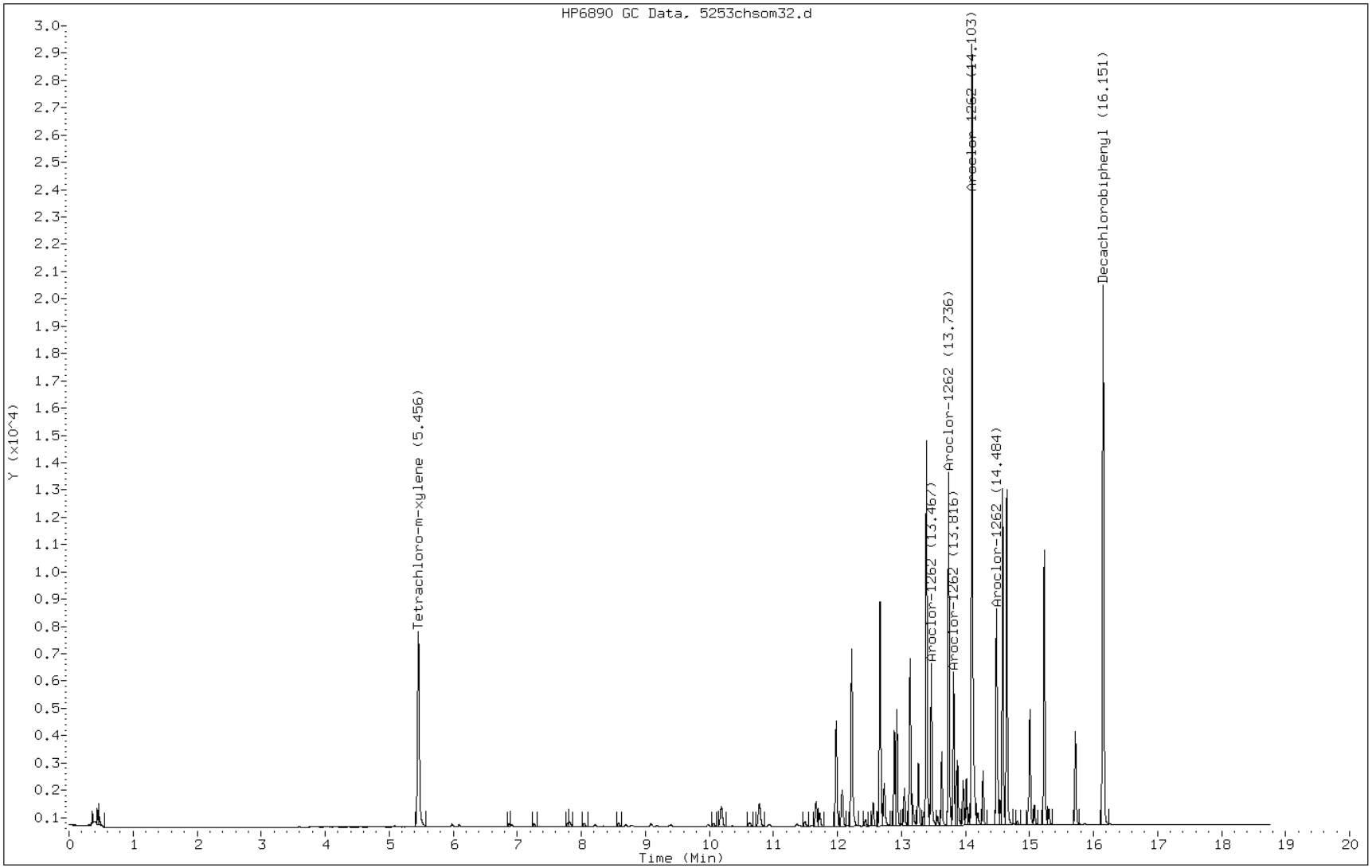
File Uploaded By: jsw
Manual Integration Reason: Unknown

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom32.d
Date : 14-AUG-2013 02:41
Client ID: AR1262481
Instrument: 5253_1.i
Sample Info: IC-492066,1,AR1262481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom32.d
Client ID: AR12624S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-492066,1,AR12624S1

Date: 14-AUG-2013 02:41
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

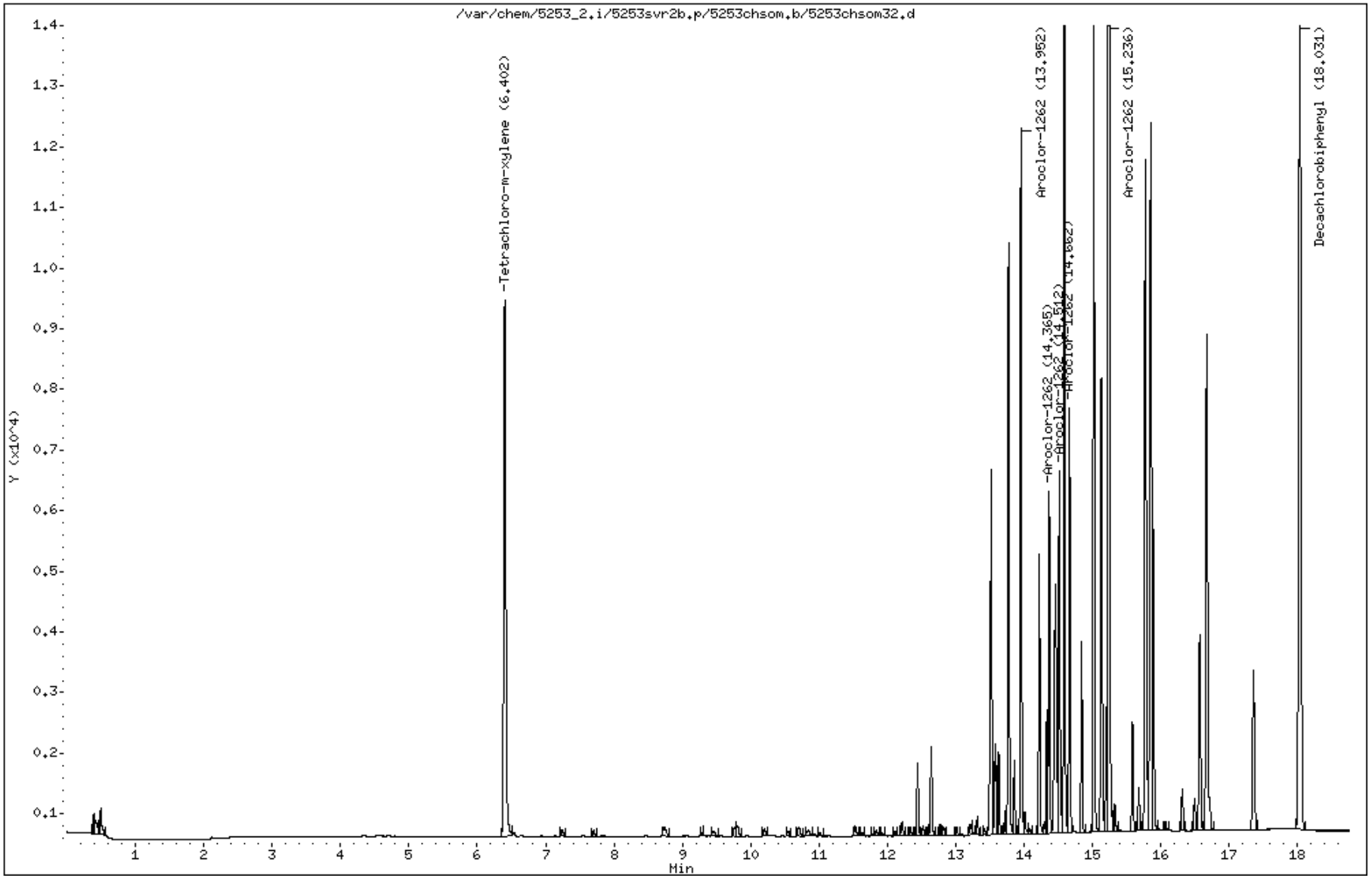
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom32.d
Lab Smp Id: IC-492066 Client Smp ID: AR12624S1
Inj Date : 14-AUG-2013 02:41
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492066,1,AR12624S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

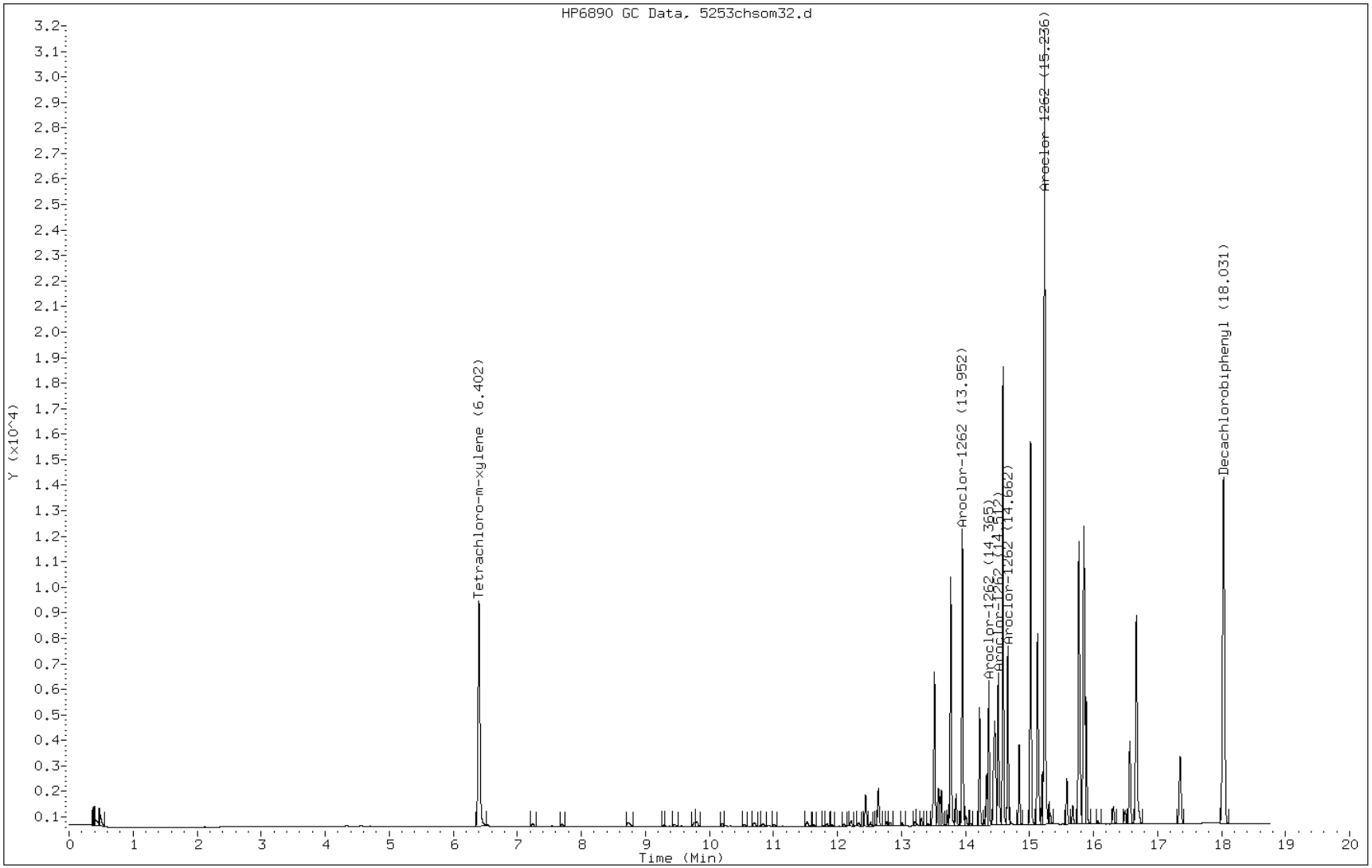
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.456	5.458	-0.002	7133	0.04000	0.04082	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.467	13.469	-0.002	5934	0.80000	0.8193	0.00- 20.00	100.00
13.736	13.739	-0.003	12931	0.80000	0.8175	0.00- 20.00	217.91
13.816	13.817	-0.001	5627	0.80000	0.7977	0.00- 20.00	94.83
14.103	14.101	0.002	28593	0.80000	0.8576	0.00- 20.00	481.85
14.484	14.485	-0.001	7939	0.80000	0.8233	0.00- 20.00	133.79
Average of Peak Amounts =					0.823		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	19769	0.08000	0.07815	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom32.d
Date : 14-AUG-2013 02:41
Client ID: AR1262481
Instrument: 5253_2.i
Sample Info: IC-492066,1,AR1262481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom32.d
Client ID: AR12624S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-492066,1,AR12624S1

Date: 14-AUG-2013 02:41
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom32.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom32.d
Lab Smp Id: IC-492066 Client Smp ID: AR12624S1
Inj Date : 14-AUG-2013 02:41
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492066,1,AR12624S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	8847	0.04000	0.04095	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.952	13.951	0.001	11628	0.80000	0.7928	0.00- 20.00	100.00(M)
14.365	14.363	0.002	5648	0.80000	0.7684	0.00- 20.00	48.57
14.512	14.511	0.001	5967	0.80000	0.8052	0.00- 20.00	51.32
14.662	14.661	0.001	6992	0.80000	0.7832	0.00- 20.00	60.13
15.236	15.239	-0.003	31090	0.80000	0.8411	0.00- 20.00	267.37
Average of Peak Amounts =					0.798		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	13565	0.08000	0.07507	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

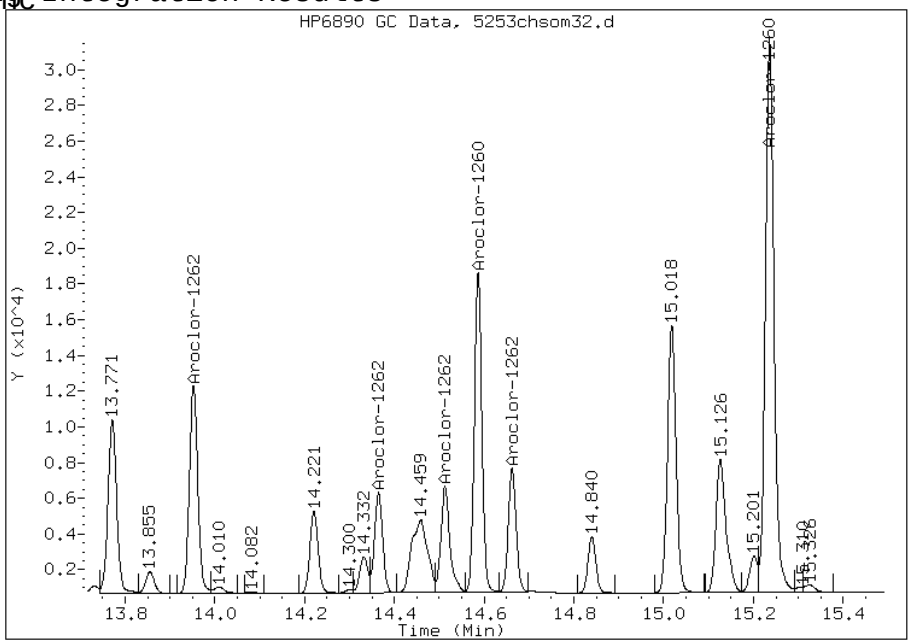
Manual Integration Report

Data File: 5253chsom32.d
Lab Sample ID: IC-492066
Inj. Date and Time: 14-AUG-2013 02:41
Instrument ID: 5253_2.i
Client ID: AR12624S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.95	11621*	0.79
14.36	5621*	0.76
14.51	5936*	0.80
14.66	6971*	0.78
15.24	31086*	0.84

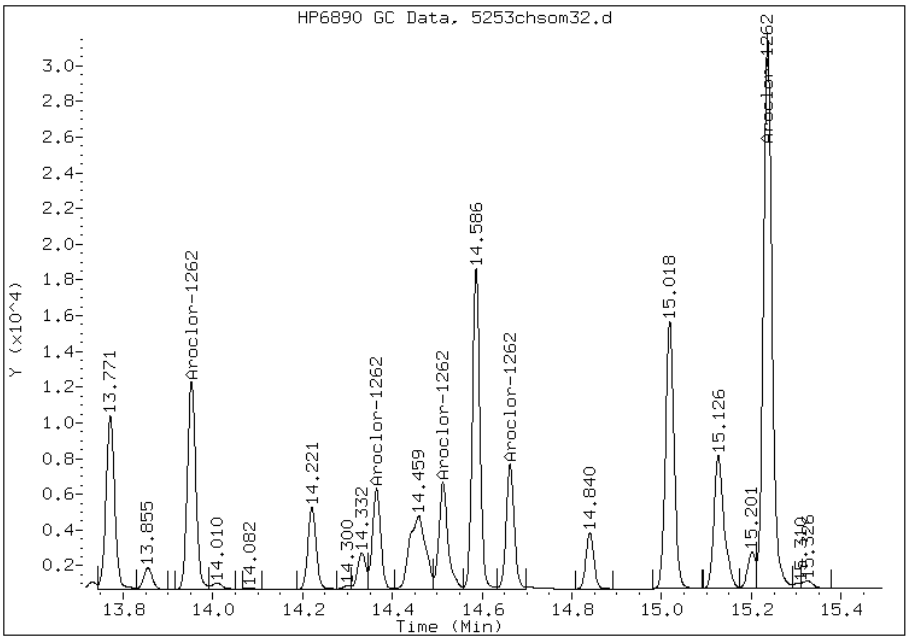
Final Conc		0.80



Manual Integration Results

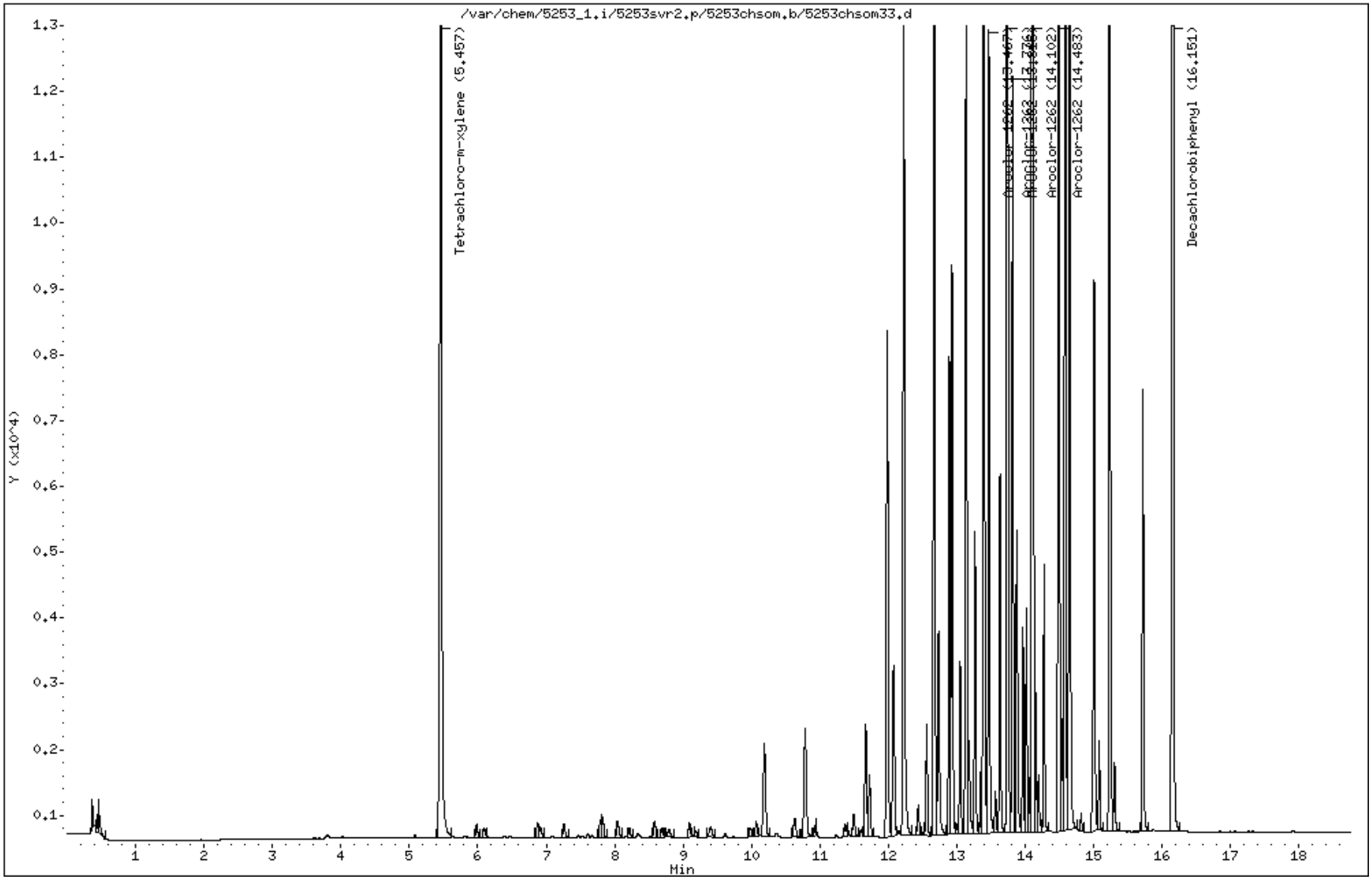
RT	Response	Conc
13.95	11628*	0.79
14.36	5648*	0.77
14.51	5967*	0.81
14.66	6992*	0.78
15.24	31090*	0.84

Final Conc		0.80



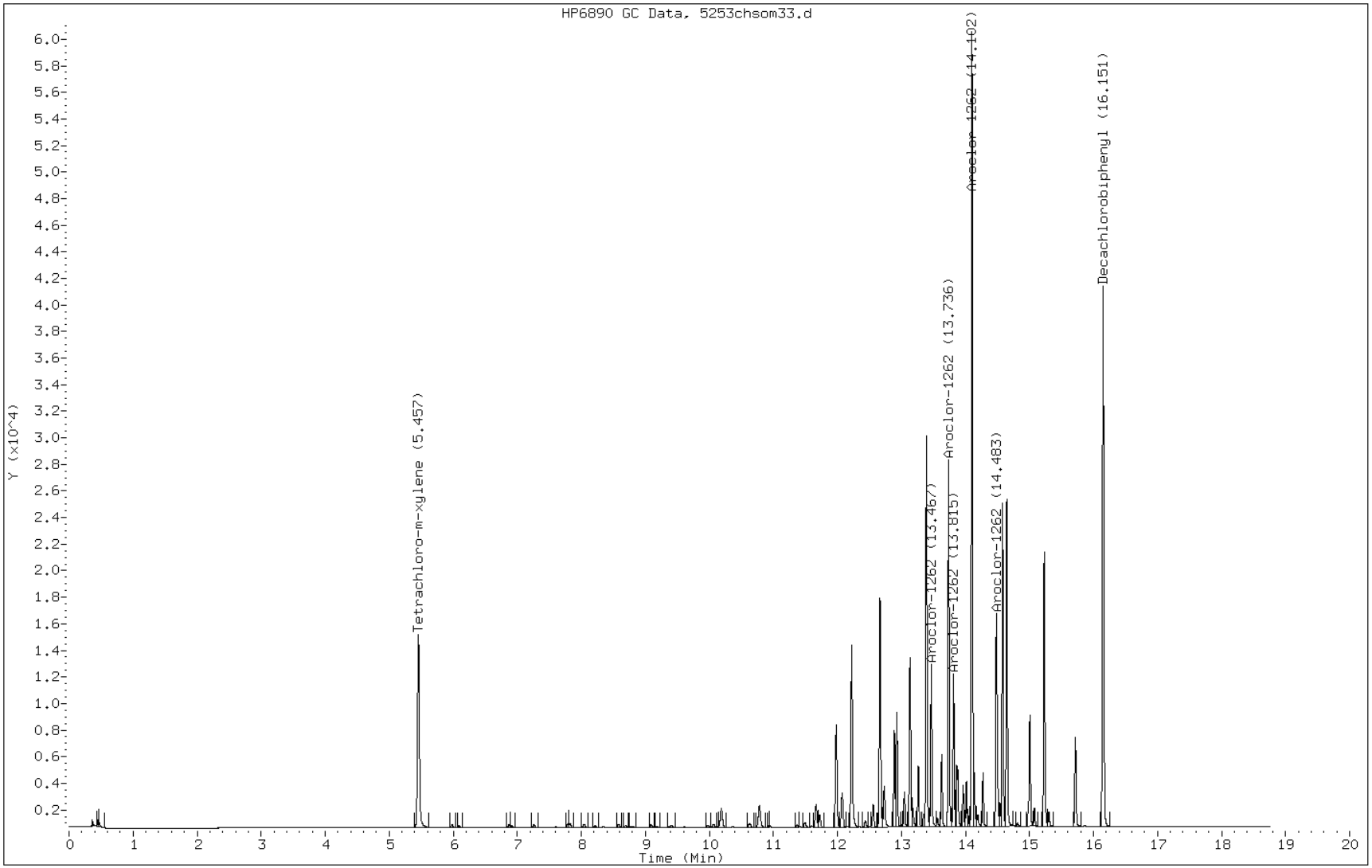
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom33.d
Date : 14-AUG-2013 03:06
Client ID: AR12625S1
Instrument: 5253_1.i
Sample Info: IC-491869,1,AR12625S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom33.d
Client ID: AR12625S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-491869,1,AR12625S1

Date: 14-AUG-2013 03:06
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom33.d
Lab Smp Id: IC-491869 Client Smp ID: AR12625S1
Inj Date : 14-AUG-2013 03:06
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491869,1,AR12625S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 33 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	14560	0.08000	0.08333	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.467	13.469	-0.002	12207	1.60000	1.685	0.00- 20.00	100.00(AM)
13.736	13.739	-0.003	27627	1.60000	1.747	0.00- 20.00	226.32
13.815	13.817	-0.002	11475	1.60000	1.627	0.00- 20.00	94.00
14.102	14.101	0.001	59801	1.60000	1.794	0.00- 20.00	489.89
14.483	14.485	-0.002	15998	1.60000	1.659	0.00- 20.00	131.06
Average of Peak Amounts =					1.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	40663	0.16000	0.1607	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

QC Flag Legend

M - Compound response manually integrated.

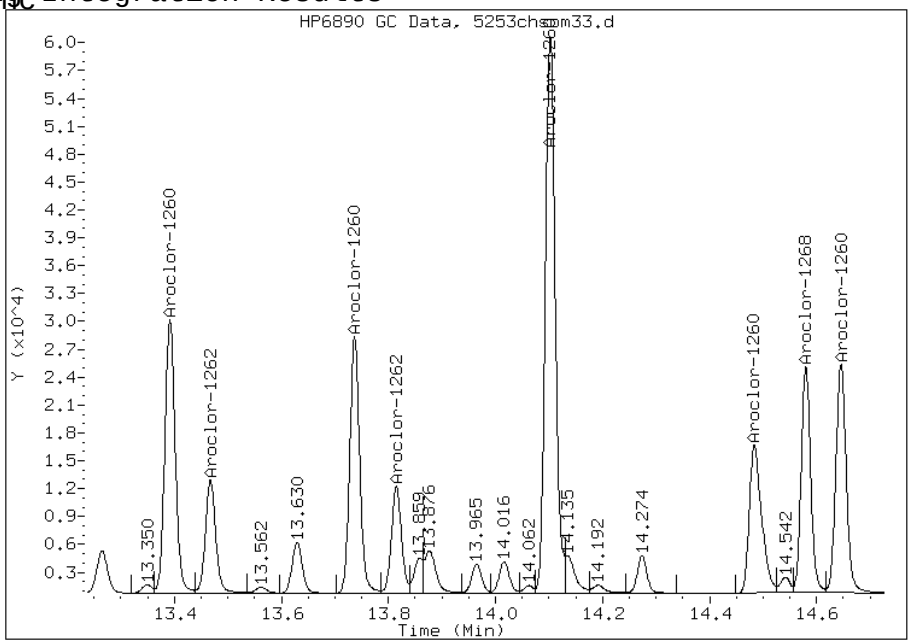
Manual Integration Report

Data File: 5253chsom33.d
Lab Sample ID: IC-491869
Inj. Date and Time: 14-AUG-2013 03:06
Instrument ID: 5253_1.i
Client ID: AR12625S1
Compound: 9 Aroclor-1262
CAS #: 37324-23-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.47	12207	1.69
13.74	27627	1.75
13.81	11475	1.63
14.10	59801	1.79
14.48	15971*	1.66

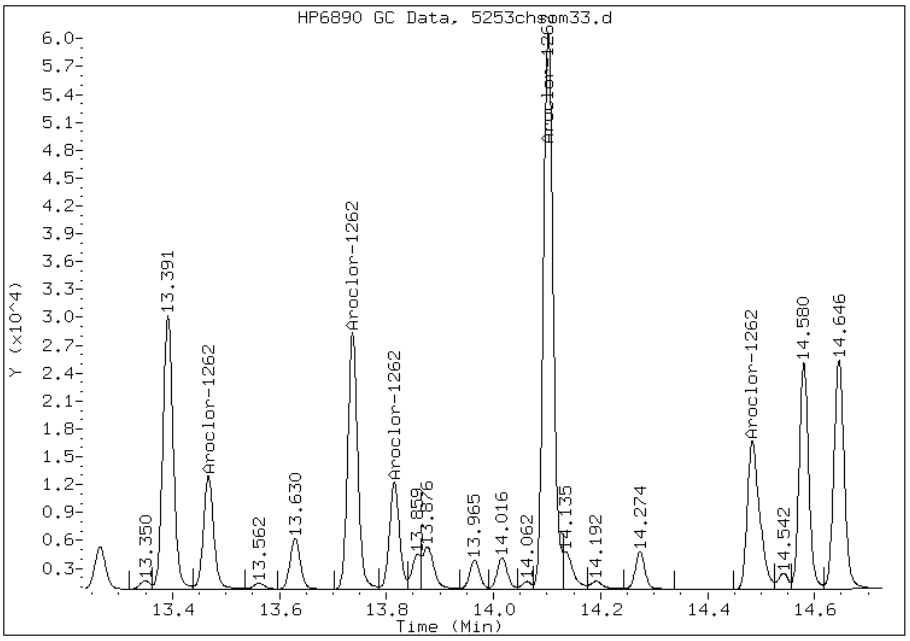
Final Conc		1.70



Manual Integration Results

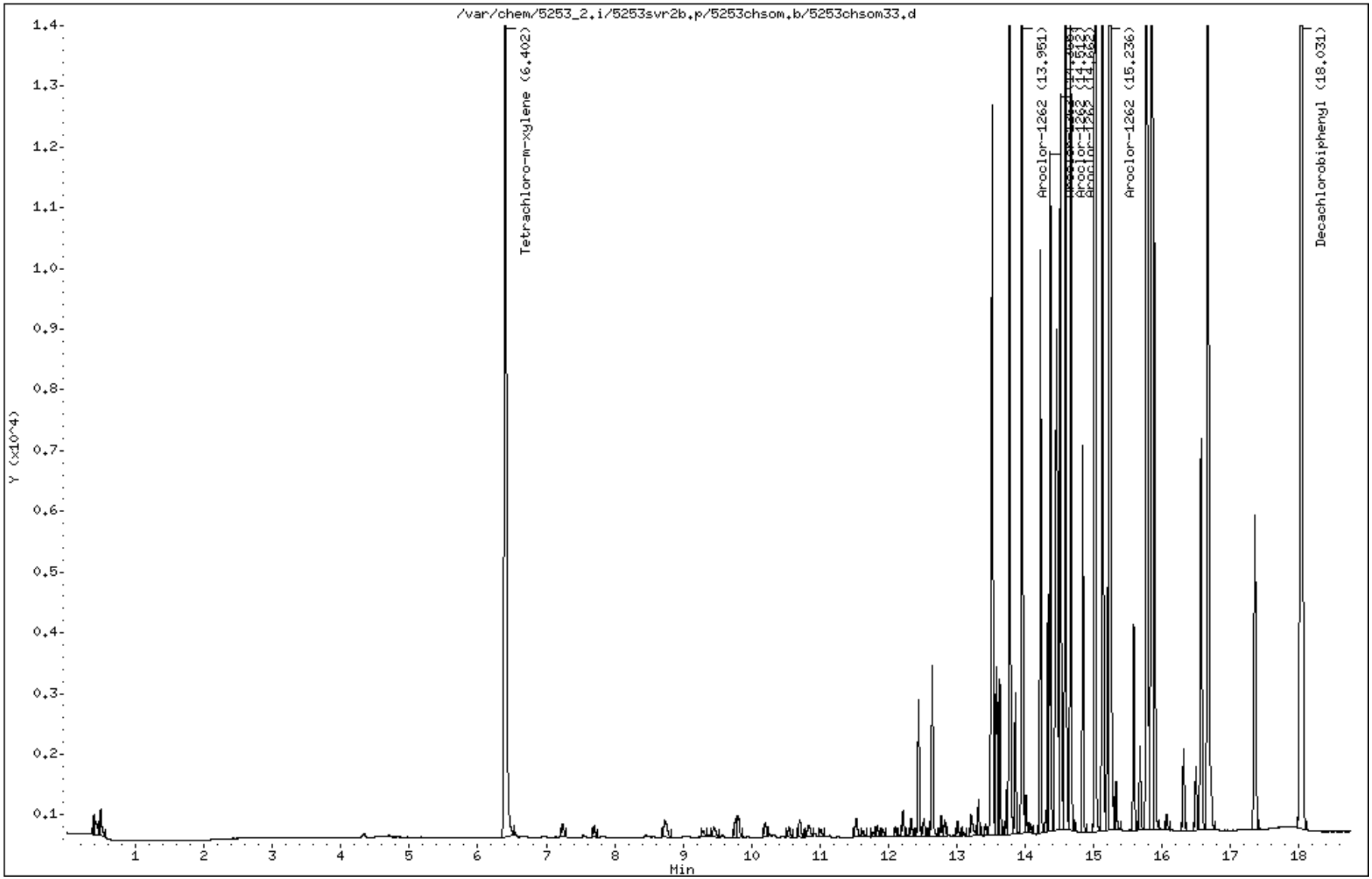
RT	Response	Conc
13.47	12207	1.69
13.74	27627	1.75
13.81	11475	1.63
14.10	59801	1.79
14.48	15998*	1.66

Final Conc		1.70



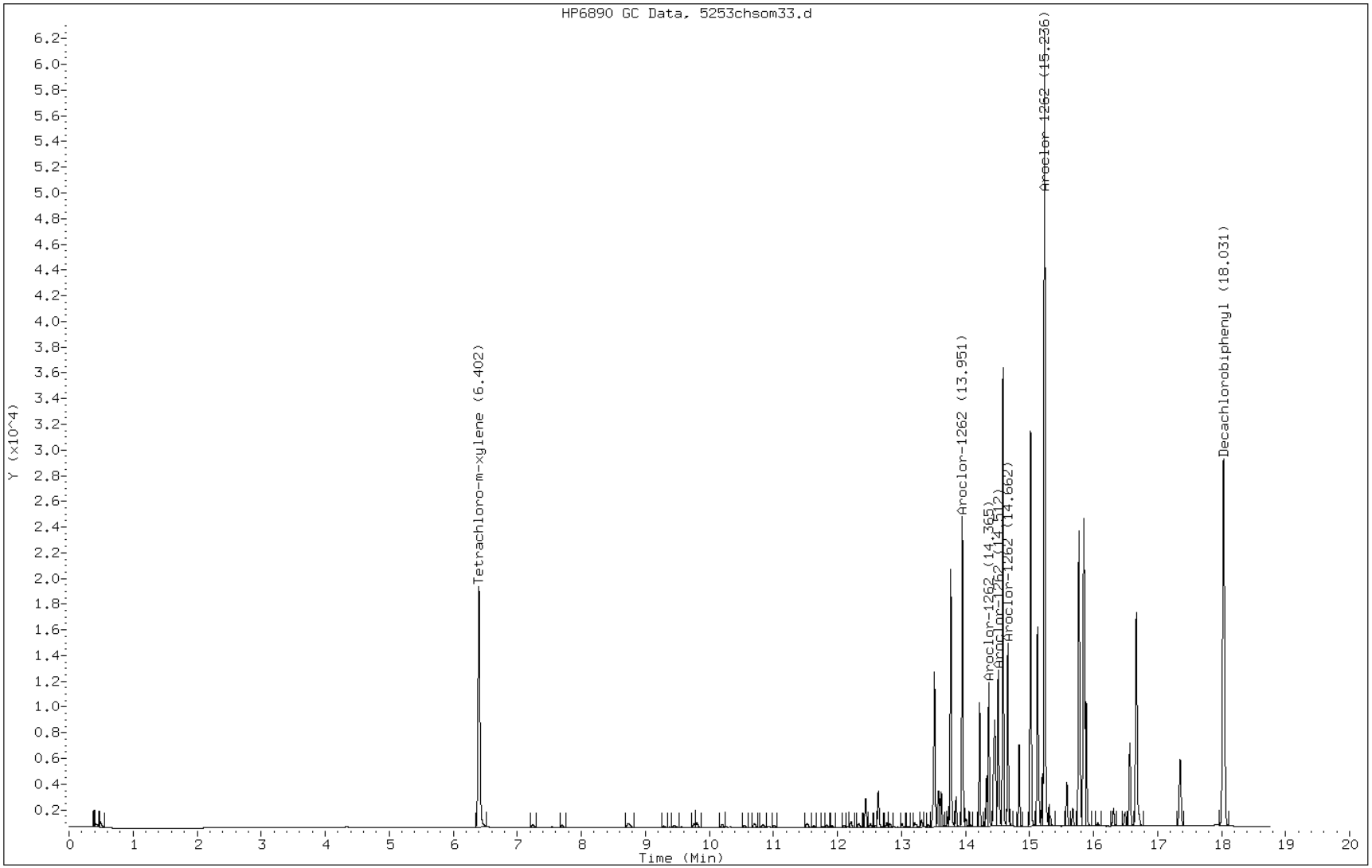
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom33.d
Date : 14-AUG-2013 03:06
Client ID: AR12625S1
Instrument: 5253_2.i
Sample Info: IC-491869,1,AR12625S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom33.d
Client ID: AR12625S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491869,1,AR12625S1

Date: 14-AUG-2013 03:06
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom33.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom33.d
Lab Smp Id: IC-491869 Client Smp ID: AR12625S1
Inj Date : 14-AUG-2013 03:06
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491869,1,AR12625S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 33 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

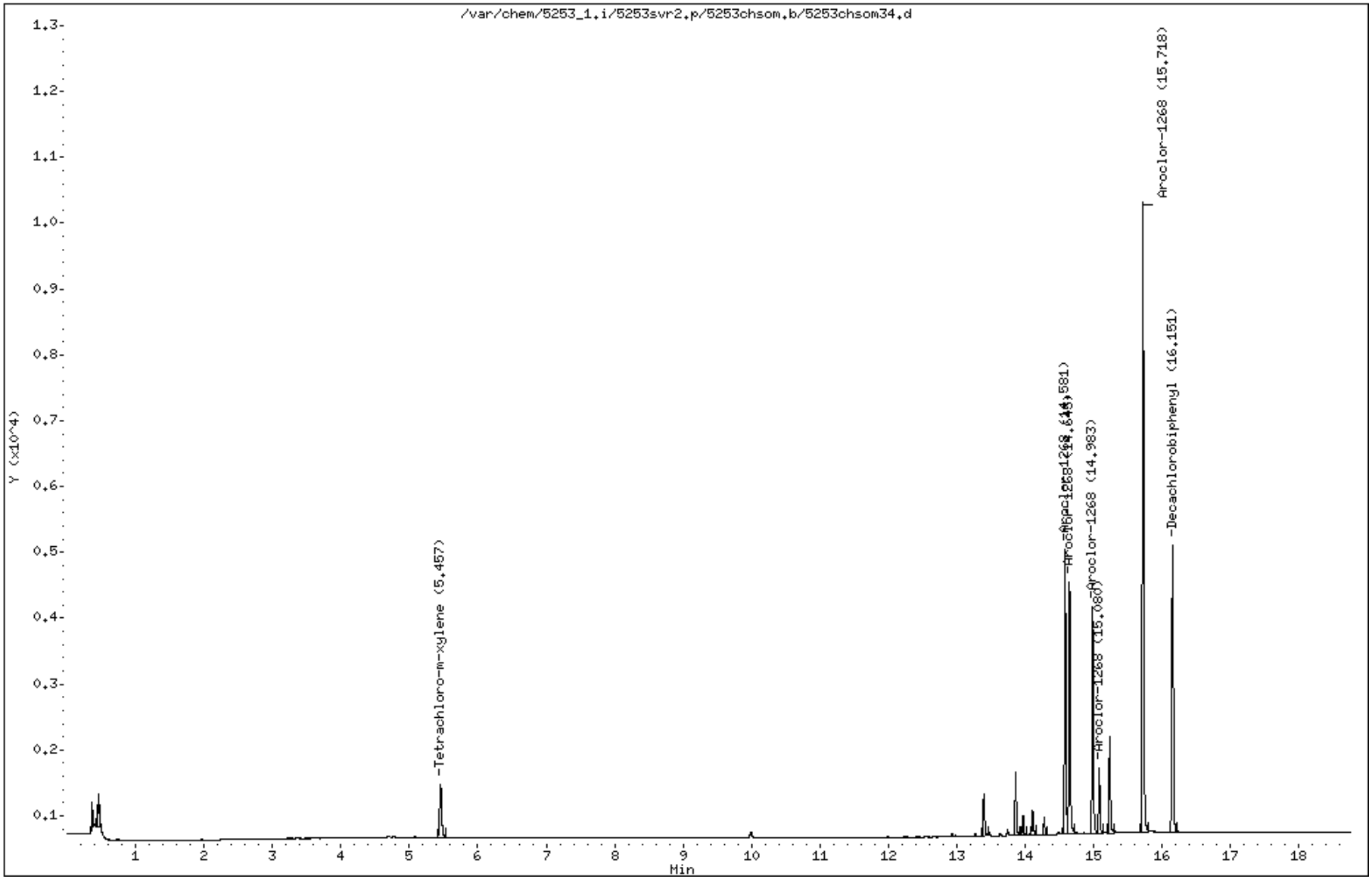
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	18750	0.08000	0.08678	80.00- 120.00	100.00
9 Aroclor-1262					CAS #: 37324-23-5		
13.951	13.951	0.000	24138	1.60000	1.646	0.00- 20.00	100.00(A)
14.365	14.363	0.002	11192	1.60000	1.523	0.00- 20.00	46.37
14.512	14.511	0.001	12131	1.60000	1.637	0.00- 20.00	50.26
14.662	14.661	0.001	14209	1.60000	1.592	0.00- 20.00	58.87
15.236	15.239	-0.003	61766	1.60000	1.671	0.00- 20.00	255.89
Average of Peak Amounts =					1.61		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	28526	0.16000	0.1579	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom34.d
Date : 14-AUG-2013 03:31
Client ID: AR12681S1
Instrument: 5253_1.i
Sample Info: IC-491991,1,AR12681S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom34.d
Lab Smp Id: IC-491991 Client Smp ID: AR12681S1
Inj Date : 14-AUG-2013 03:31
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491991,1,AR12681S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 34 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

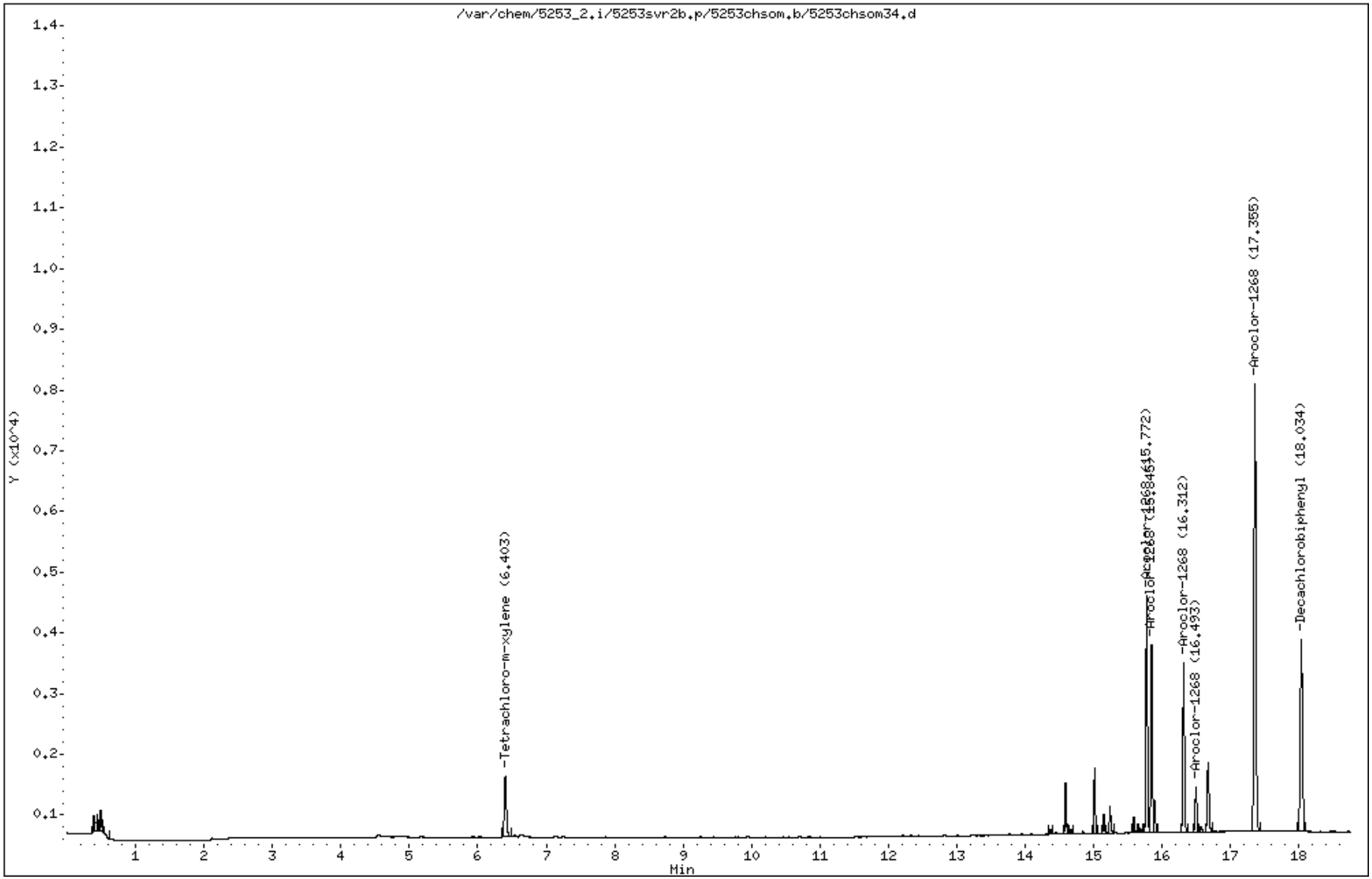
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	804	0.00500	0.004601	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
14.581	14.580	0.001	4315	0.10000	0.09539	0.00- 20.00	100.00(a)
14.645	14.643	0.002	3823	0.10000	0.09433	0.00- 20.00	88.60
14.983	14.981	0.002	3446	0.10000	0.09405	0.00- 20.00	79.86
15.080	15.080	0.000	985	0.10000	0.1063	0.00- 20.00	22.83
15.718	15.719	-0.001	9563	0.10000	0.09223	0.00- 20.00	221.62
Average of Peak Amounts =					0.0965		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	4358	0.01000	0.01723	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom34.d
Date : 14-AUG-2013 03:31
Client ID: AR12681S1
Instrument: 5253_2.i
Sample Info: IC-491991,1,AR12681S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom34.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom34.d
Lab Smp Id: IC-491991 Client Smp ID: AR12681S1
Inj Date : 14-AUG-2013 03:31
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491991,1,AR12681S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 34 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

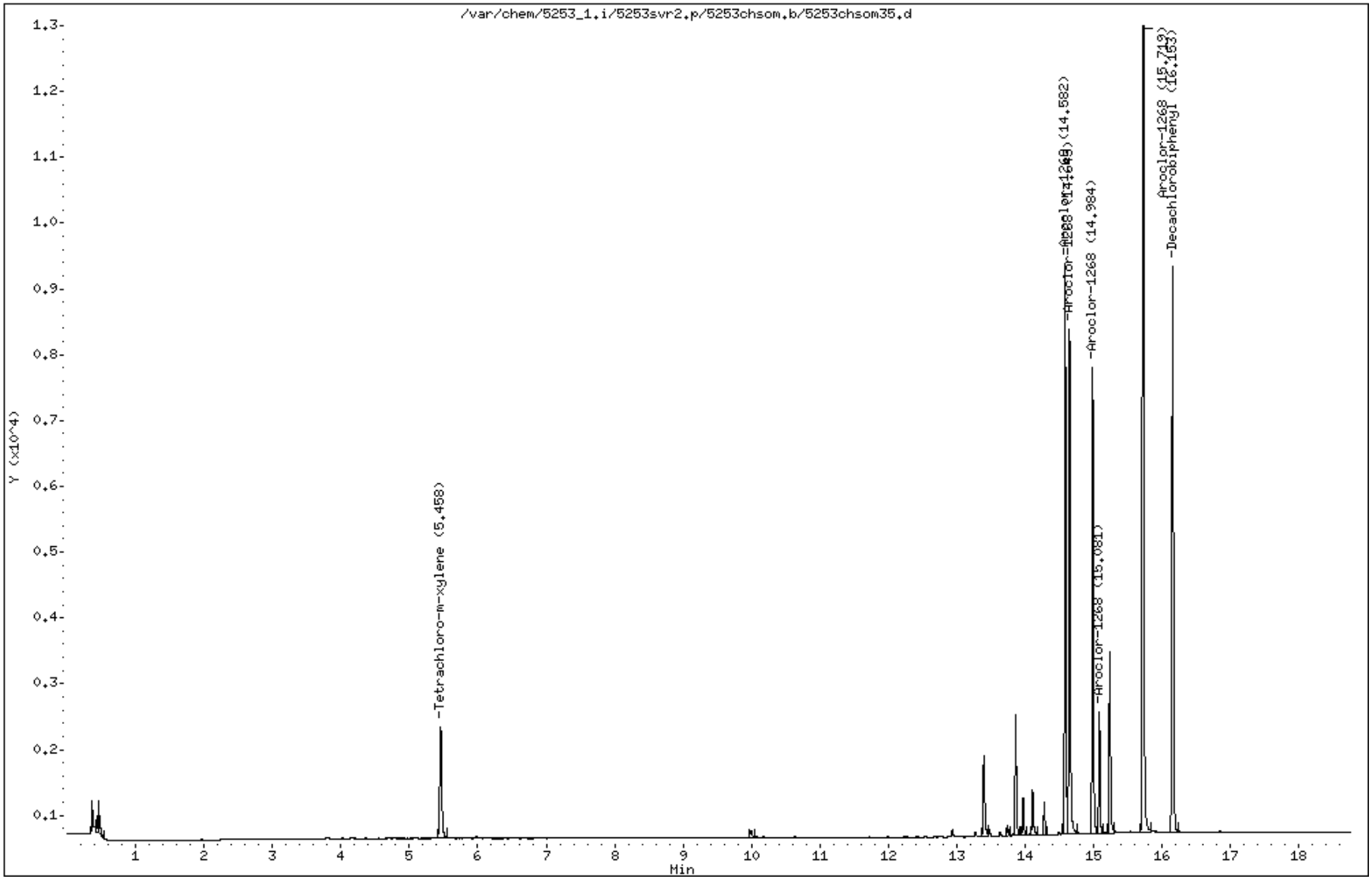
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	1008	0.00500	0.004666	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
15.772	15.771	0.001	3901	0.10000	0.09582	0.00- 20.00	100.00(a)
15.845	15.845	0.000	3095	0.10000	0.09496	0.00- 20.00	79.34
16.312	16.311	0.001	2779	0.10000	0.09743	0.00- 20.00	71.24
16.493	16.491	0.002	738	0.10000	0.1034	0.00- 20.00	18.92
17.355	17.354	0.001	7375	0.10000	0.09251	0.00- 20.00	189.05
Average of Peak Amounts =					0.0968		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	3148	0.01000	0.01742	80.00- 120.00	100.00

QC Flag Legend

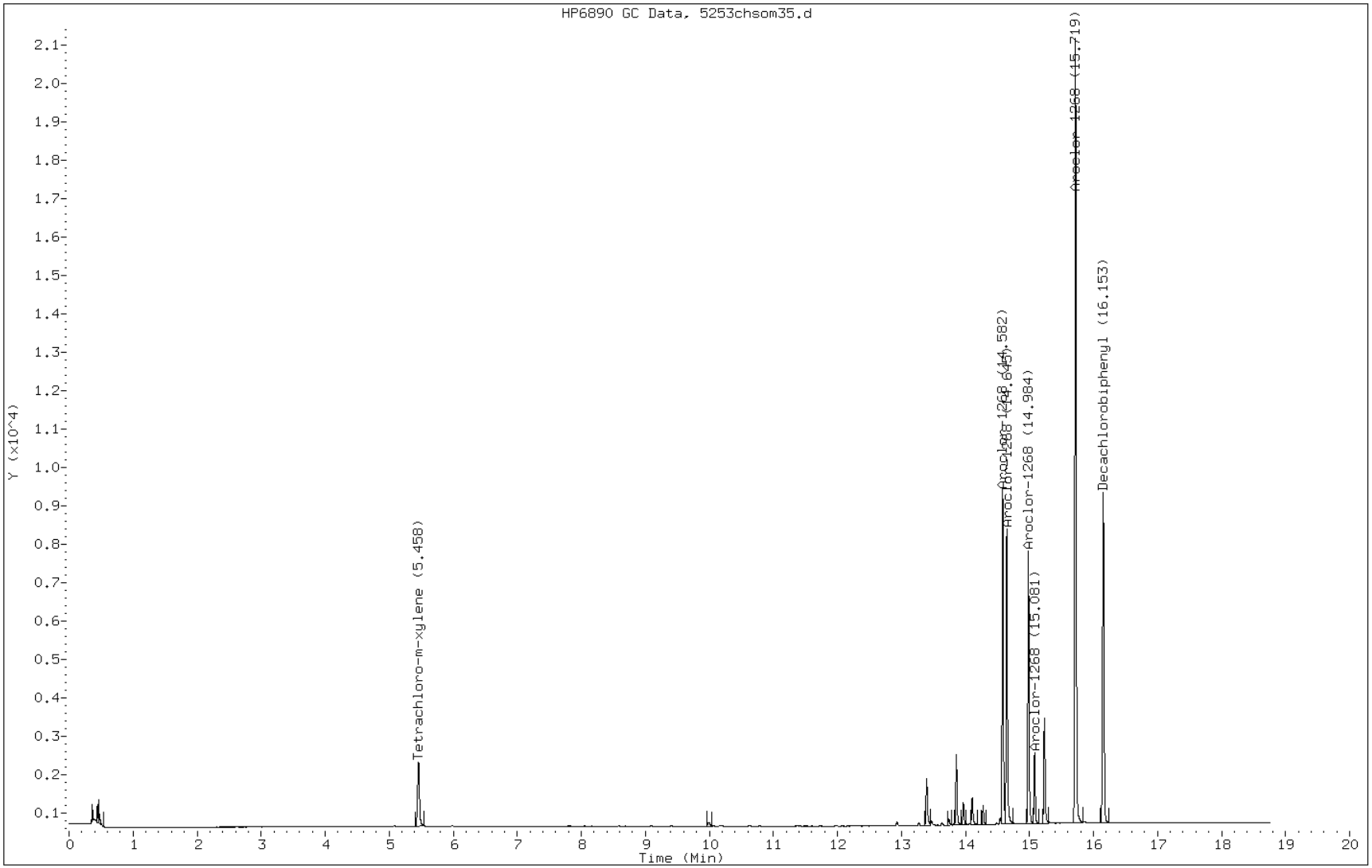
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom35.d
Date : 14-AUG-2013 03:55
Client ID: AR1268281
Instrument: 5253_1.i
Sample Info: IC-491990,1,AR1268281
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom35.d
Client ID: AR12682S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-491990,1,AR12682S1

Date: 14-AUG-2013 03:55
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

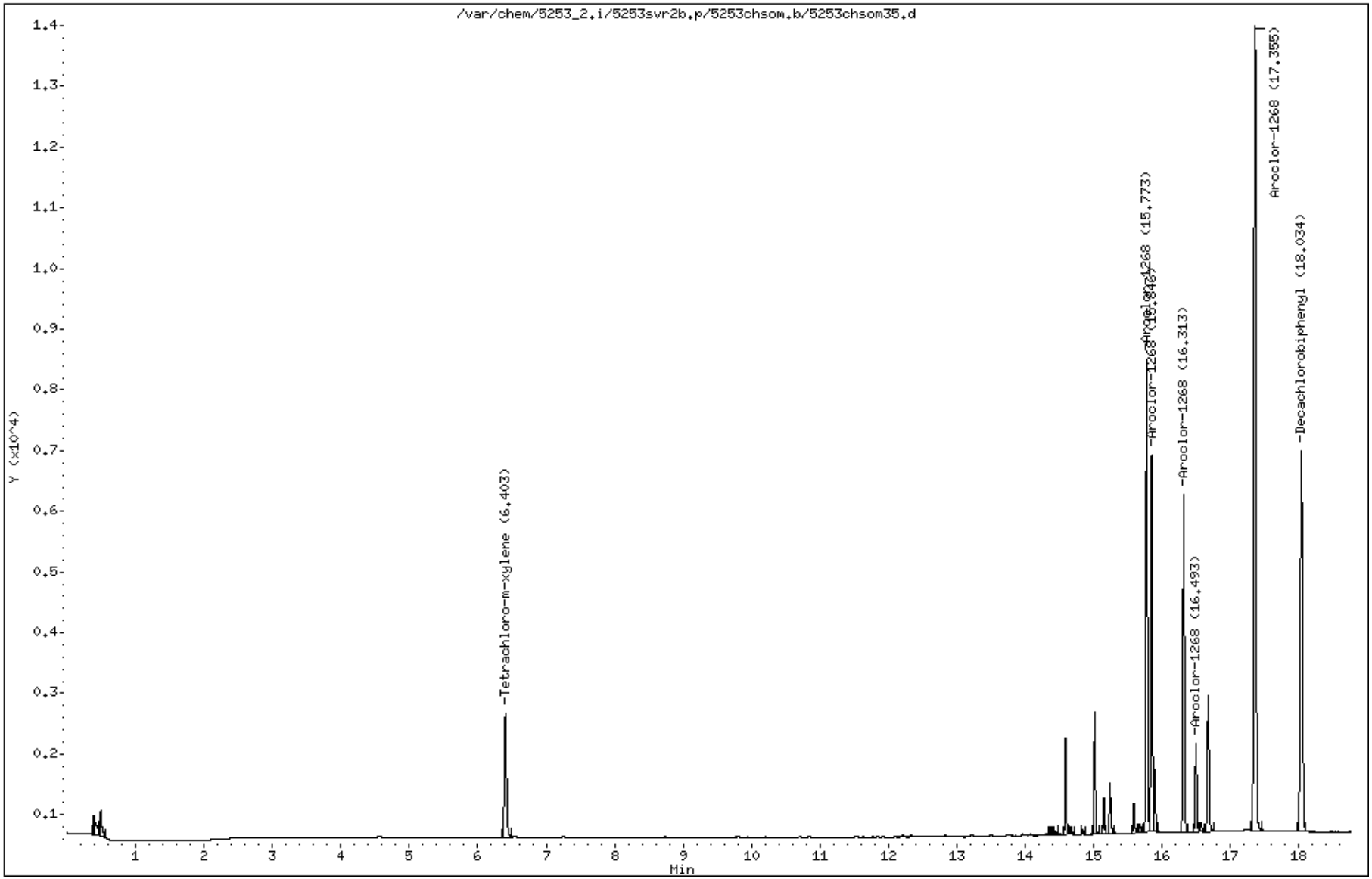
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom35.d
Lab Smp Id: IC-491990 Client Smp ID: AR12682S1
Inj Date : 14-AUG-2013 03:55
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491990,1,AR12682S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 35 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

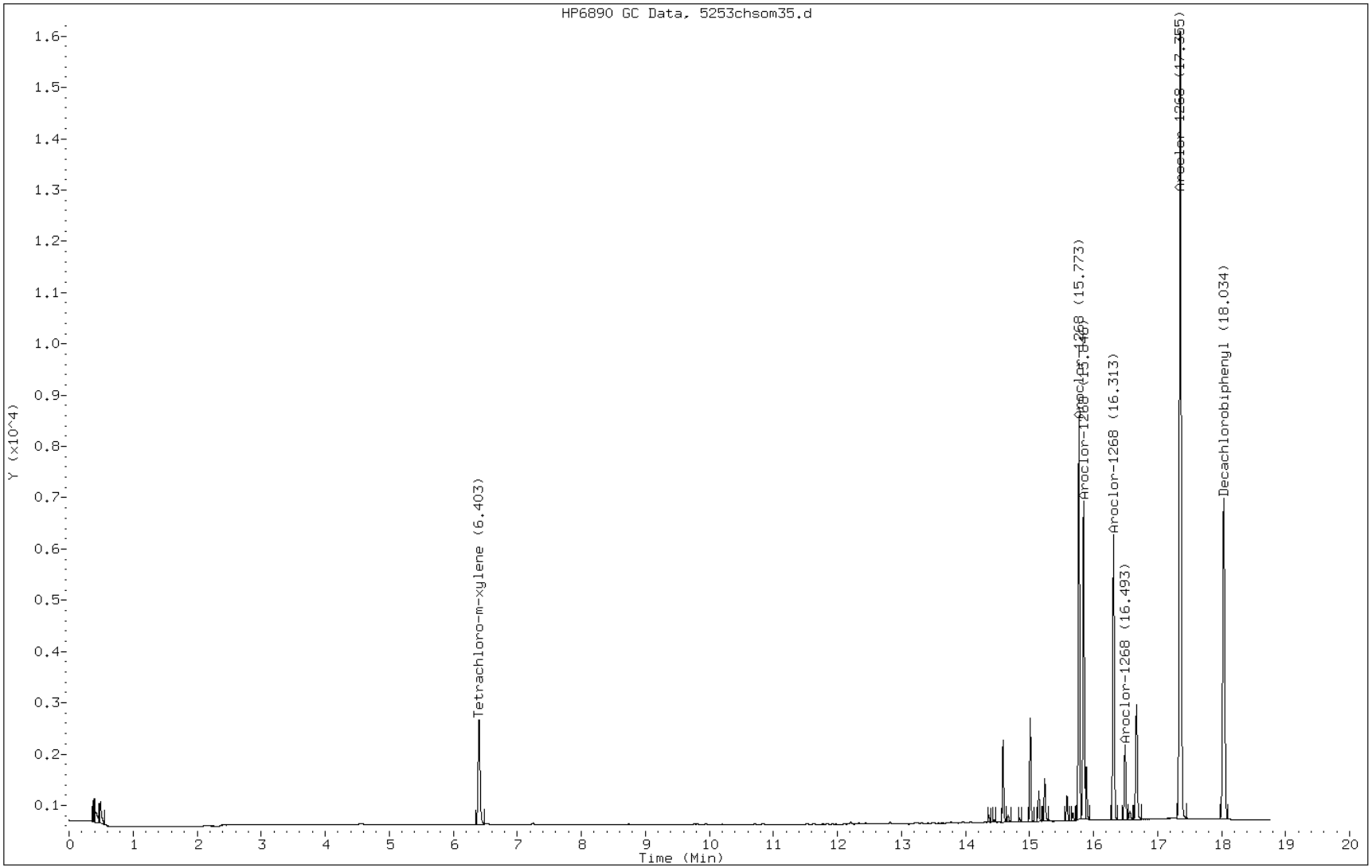
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	1672	0.01000	0.009569	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
14.582	14.580	0.002	8679	0.20000	0.1919	0.00- 20.00	100.00
14.645	14.643	0.002	7676	0.20000	0.1894	0.00- 20.00	88.44
14.984	14.981	0.003	7090	0.20000	0.1935	0.00- 20.00	81.69
15.081	15.080	0.001	1849	0.20000	0.1995	0.00- 20.00	21.30
15.719	15.719	0.000	20444	0.20000	0.1972	0.00- 20.00	235.56
Average of Peak Amounts =					0.194		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	8602	0.02000	0.03400	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom35.d
Date : 14-AUG-2013 03:55
Client ID: AR1268S1
Instrument: 5253_2.i
Sample Info: IC-491990,1,AR1268S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom35.d
Client ID: AR12682S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491990,1,AR12682S1

Date: 14-AUG-2013 03:55
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom35.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom35.d
Lab Smp Id: IC-491990 Client Smp ID: AR12682S1
Inj Date : 14-AUG-2013 03:55
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491990,1,AR12682S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 35 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

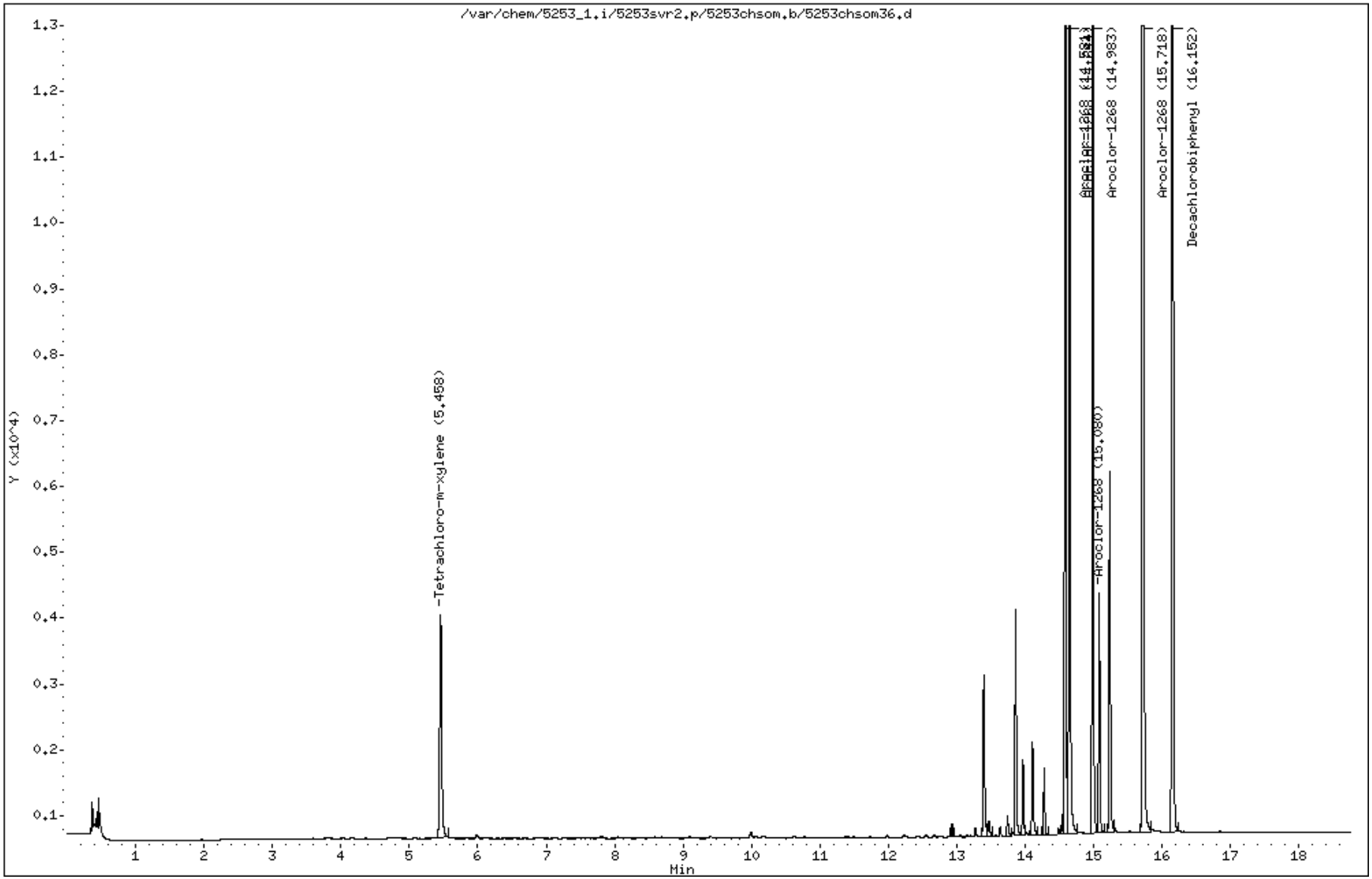
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
6.403	6.402	0.001	2044	0.01000	0.009461	80.00- 120.00		100.00
10 Aroclor-1268					CAS #: 11100-14-4			
15.773	15.771	0.002	7793	0.20000	0.1914	0.00- 20.00		100.00
15.846	15.845	0.001	6205	0.20000	0.1904	0.00- 20.00		79.62
16.313	16.311	0.002	5561	0.20000	0.1950	0.00- 20.00		71.36
16.493	16.491	0.002	1453	0.20000	0.2035	0.00- 20.00		18.64
17.355	17.354	0.001	15362	0.20000	0.1927	0.00- 20.00		197.13
Average of Peak Amounts =					0.195			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
18.034	18.032	0.002	6258	0.02000	0.03463	80.00- 120.00		100.00

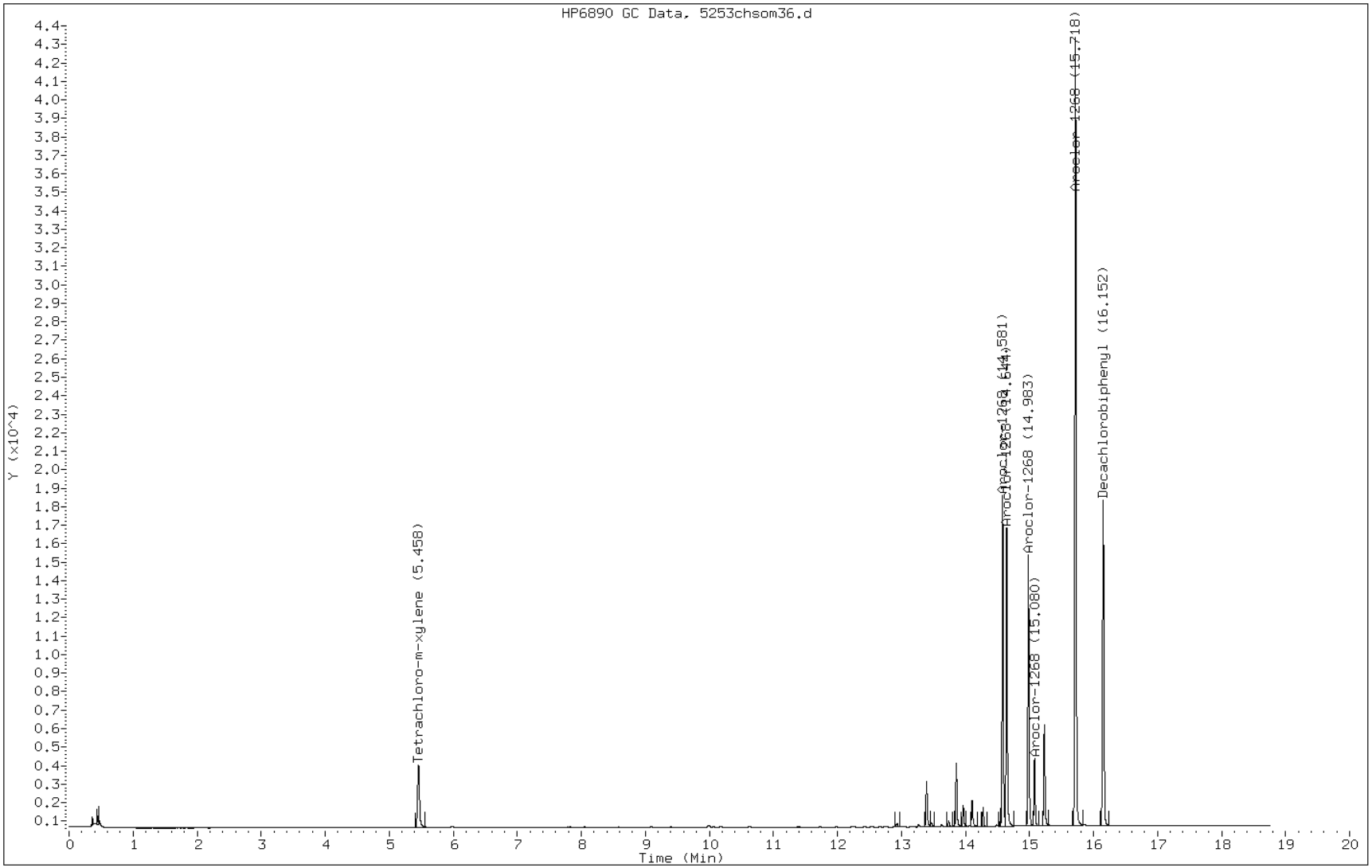
Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom36.d
Date : 14-AUG-2013 04:20
Client ID: AR12683S1
Sample Info: IC-491989,1,AR12683S1
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: 5253_1.i
Operator: MMS
Column diameter: 0.25



Data File: 5253chsom36.d
Client ID: AR12683S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-491989,1,AR12683S1

Date: 14-AUG-2013 04:20
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

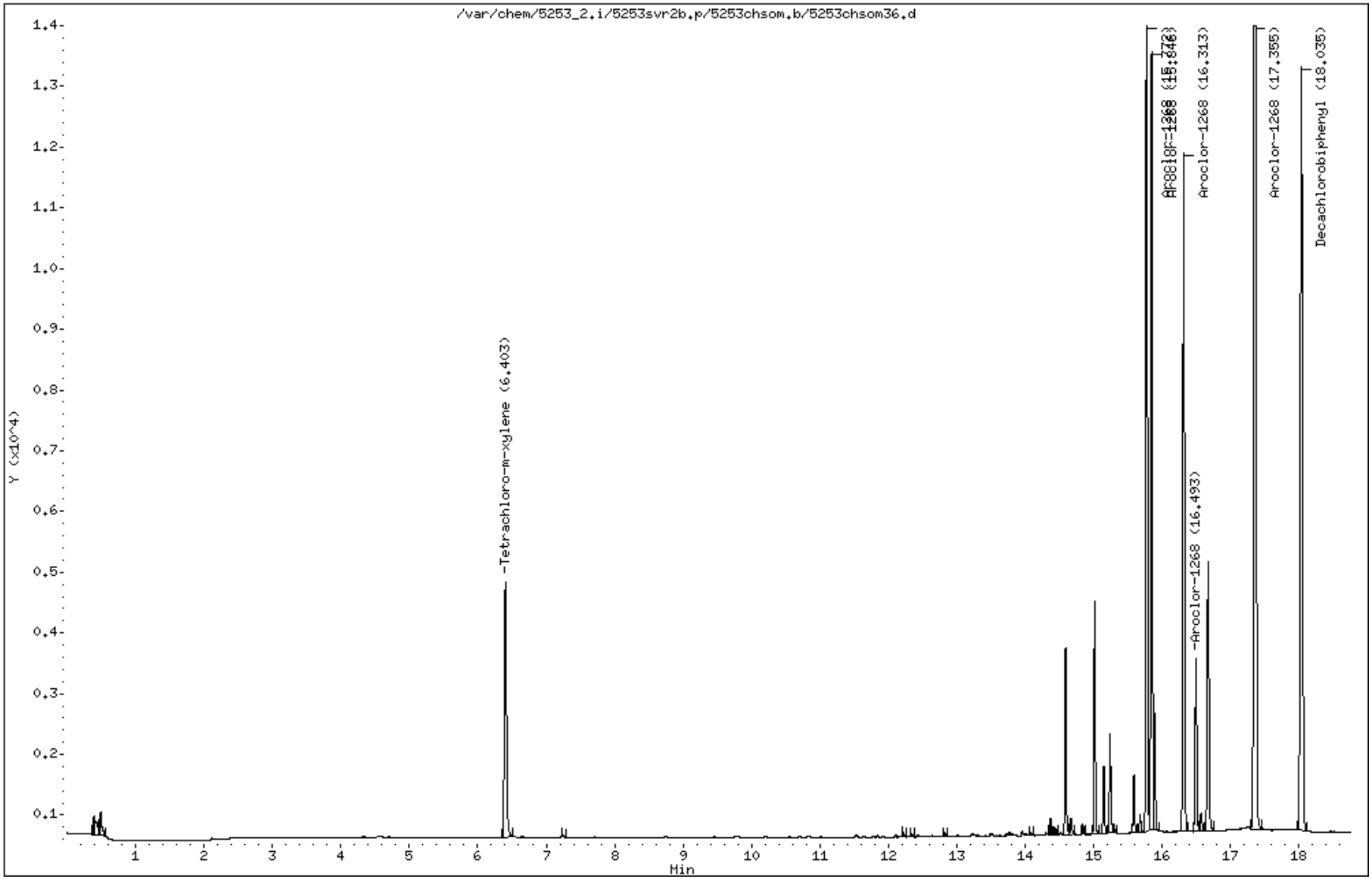
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom36.d
Lab Smp Id: IC-491989 Client Smp ID: AR12683S1
Inj Date : 14-AUG-2013 04:20
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491989,1,AR12683S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 36 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

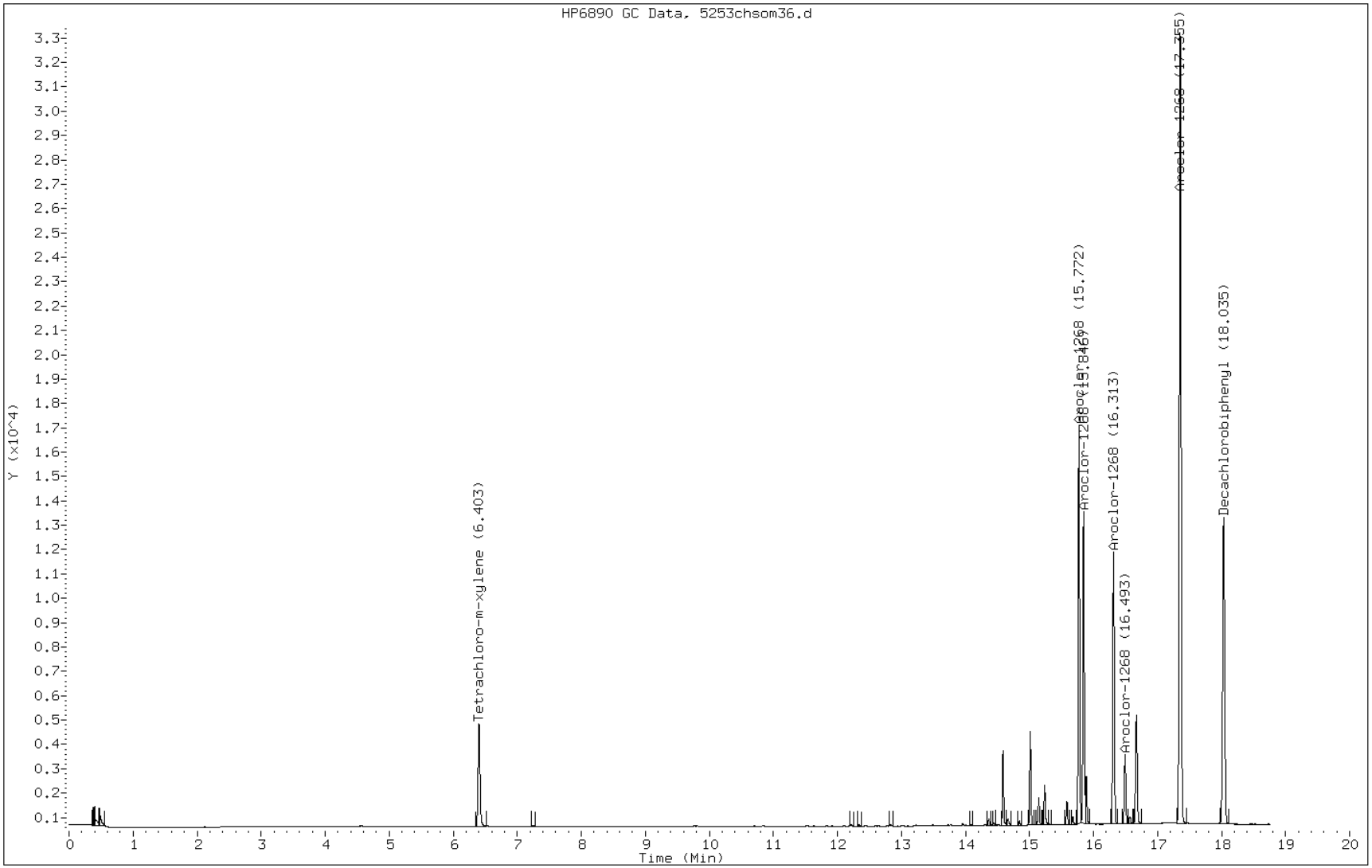
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3373	0.02000	0.01930	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
14.581	14.580	0.001	17877	0.40000	0.3952	0.00- 20.00	100.00
14.644	14.643	0.001	16124	0.40000	0.3979	0.00- 20.00	90.19
14.983	14.981	0.002	14684	0.40000	0.4008	0.00- 20.00	82.14
15.080	15.080	0.000	3643	0.40000	0.3931	0.00- 20.00	20.38
15.718	15.719	-0.001	42641	0.40000	0.4112	0.00- 20.00	238.52
Average of Peak Amounts =					0.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	17606	0.04000	0.06960	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom36.d
Date : 14-AUG-2013 04:20
Client ID: AR1268381
Instrument: 5253_2.i
Sample Info: IC-491989,1,AR1268381
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom36.d
Client ID: AR12683S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491989,1,AR12683S1

Date: 14-AUG-2013 04:20
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom36.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

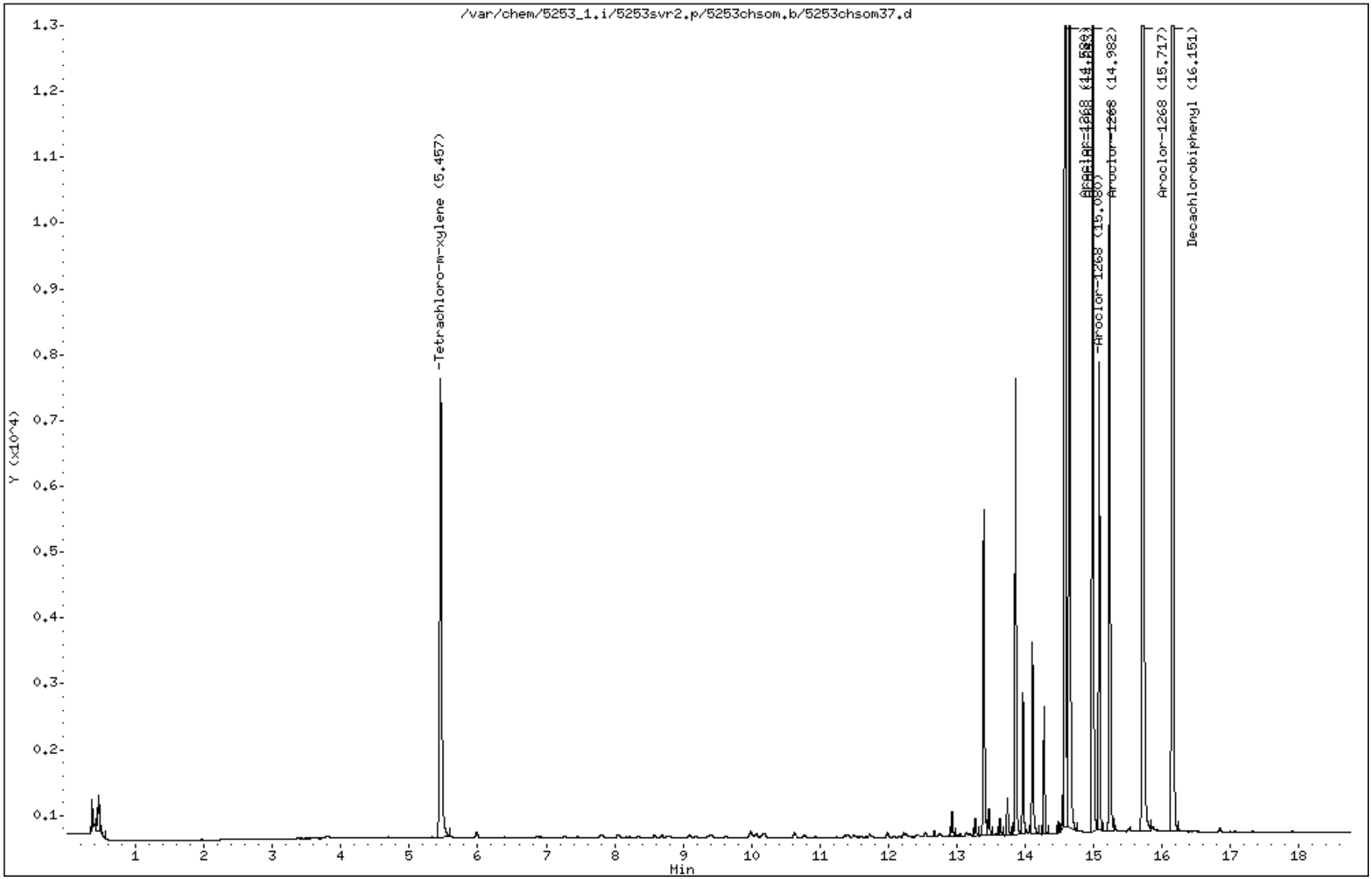
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom36.d
Lab Smp Id: IC-491989 Client Smp ID: AR12683S1
Inj Date : 14-AUG-2013 04:20
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491989,1,AR12683S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 36 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

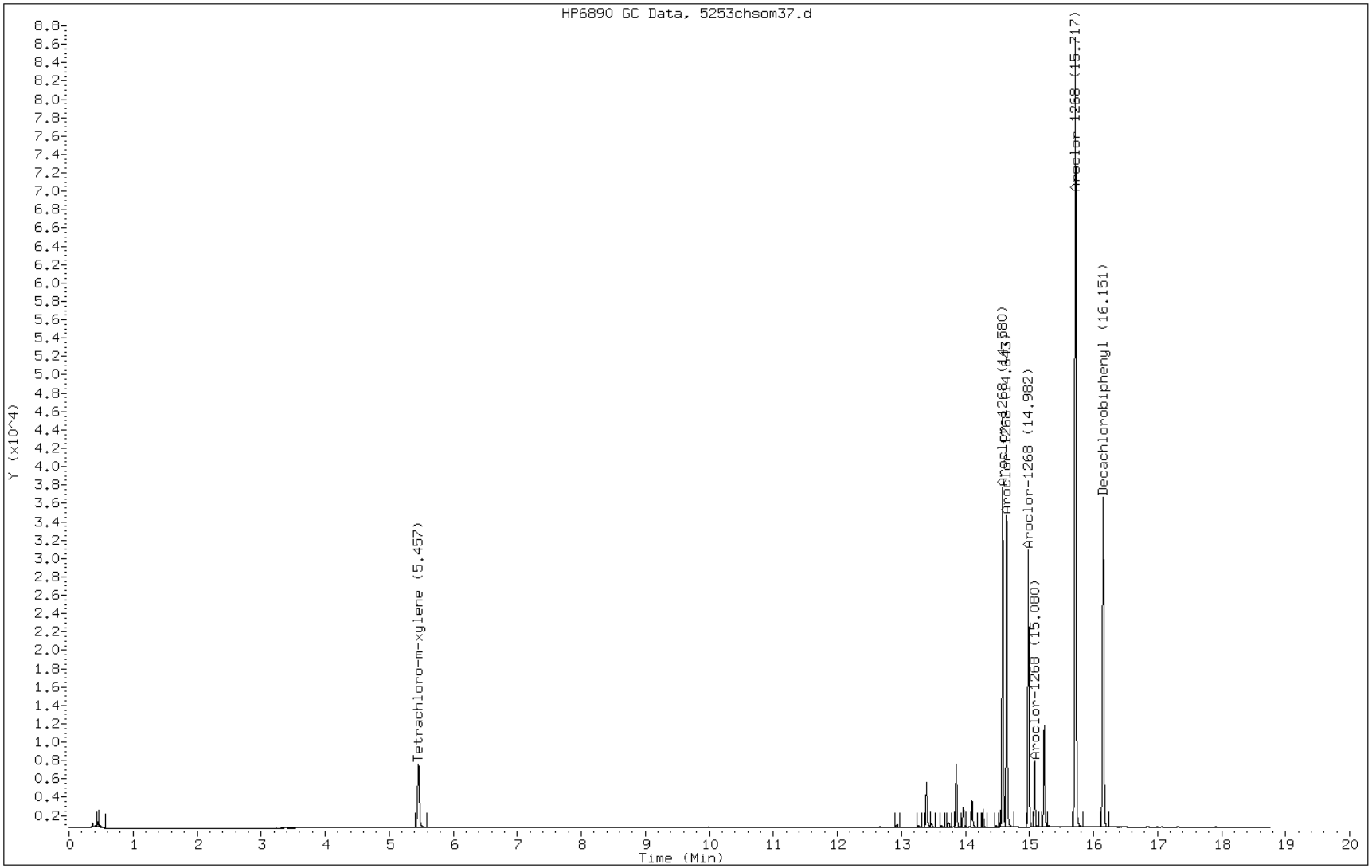
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4197	0.02000	0.01943	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
15.772	15.771	0.001	16364	0.40000	0.4019	0.00- 20.00	100.00
15.846	15.845	0.001	12809	0.40000	0.3930	0.00- 20.00	78.28
16.313	16.311	0.002	11178	0.40000	0.3919	0.00- 20.00	68.31
16.493	16.491	0.002	2846	0.40000	0.3987	0.00- 20.00	17.39
17.355	17.354	0.001	32440	0.40000	0.4069	0.00- 20.00	198.24
Average of Peak Amounts =					0.398		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.035	18.032	0.003	12567	0.04000	0.06955	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom37.d
Date : 14-AUG-2013 04:44
Client ID: AR1268481
Instrument: 5253_1.i
Sample Info: IC-491987,1,AR1268481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File:	5253chsom37.d	Date:	14-AUG-2013 04:44
Client ID:	AR12684S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-491987,1,AR12684S1		



TestAmerica Burlington

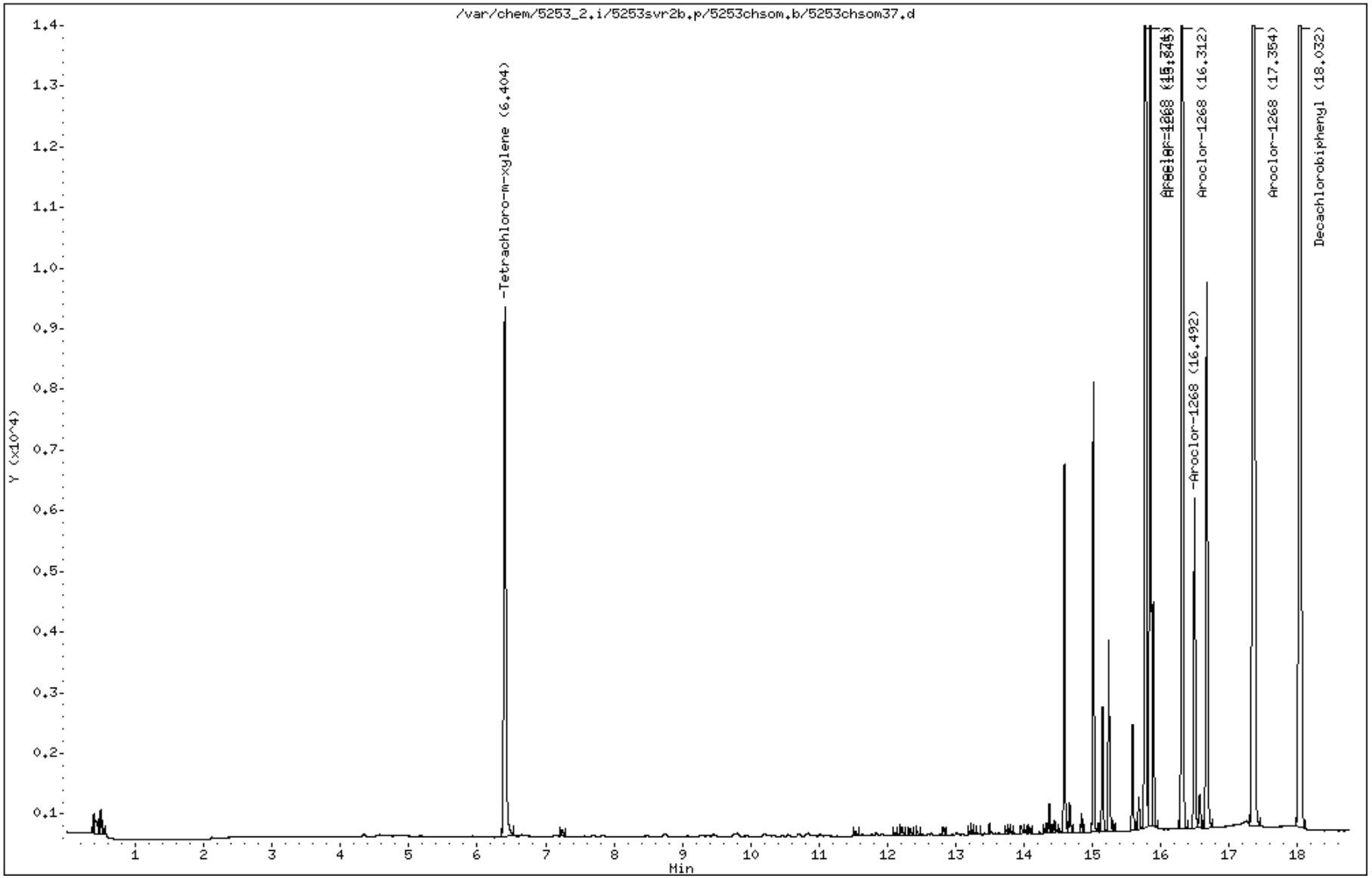
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom37.d
Lab Smp Id: IC-491987 Client Smp ID: AR12684S1
Inj Date : 14-AUG-2013 04:44
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491987,1,AR12684S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

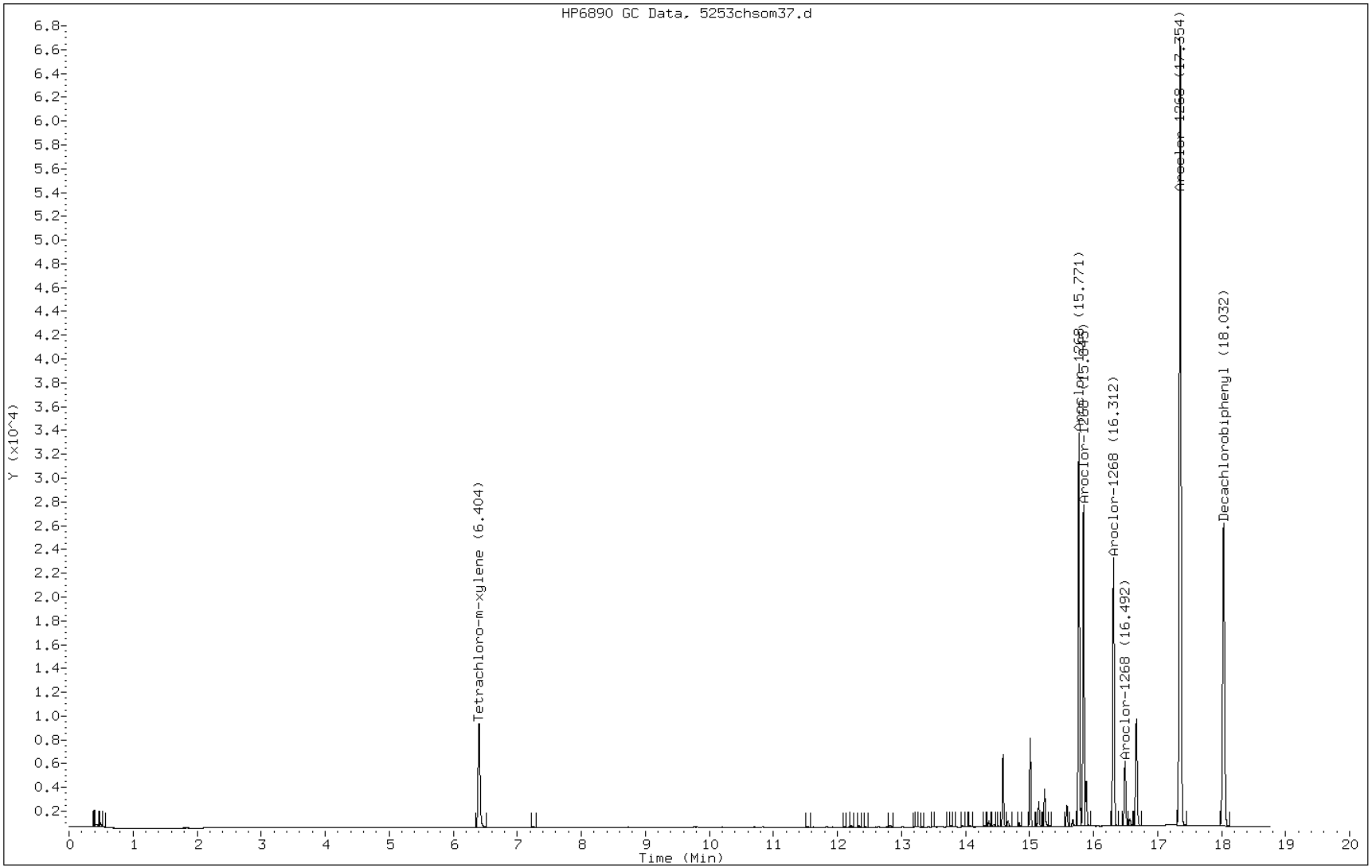
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	6970	0.04000	0.03989	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
14.580	14.580	0.000	36908	0.80000	0.8159	0.00- 20.00	100.00
14.643	14.643	0.000	33852	0.80000	0.8353	0.00- 20.00	91.72
14.982	14.981	0.001	30171	0.80000	0.8234	0.00- 20.00	81.75
15.080	15.080	0.000	7124	0.80000	0.7688	0.00- 20.00	19.30
15.717	15.719	-0.002	86018	0.80000	0.8296	0.00- 20.00	233.06
Average of Peak Amounts =					0.815		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	35873	0.08000	0.1418	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom37.d
Date : 14-AUG-2013 04:44
Client ID: AR1268481
Instrument: 5253_2.i
Sample Info: IC-491987,1,AR1268481
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom37.d
Client ID: AR12684S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491987,1,AR12684S1

Date: 14-AUG-2013 04:44
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom37.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

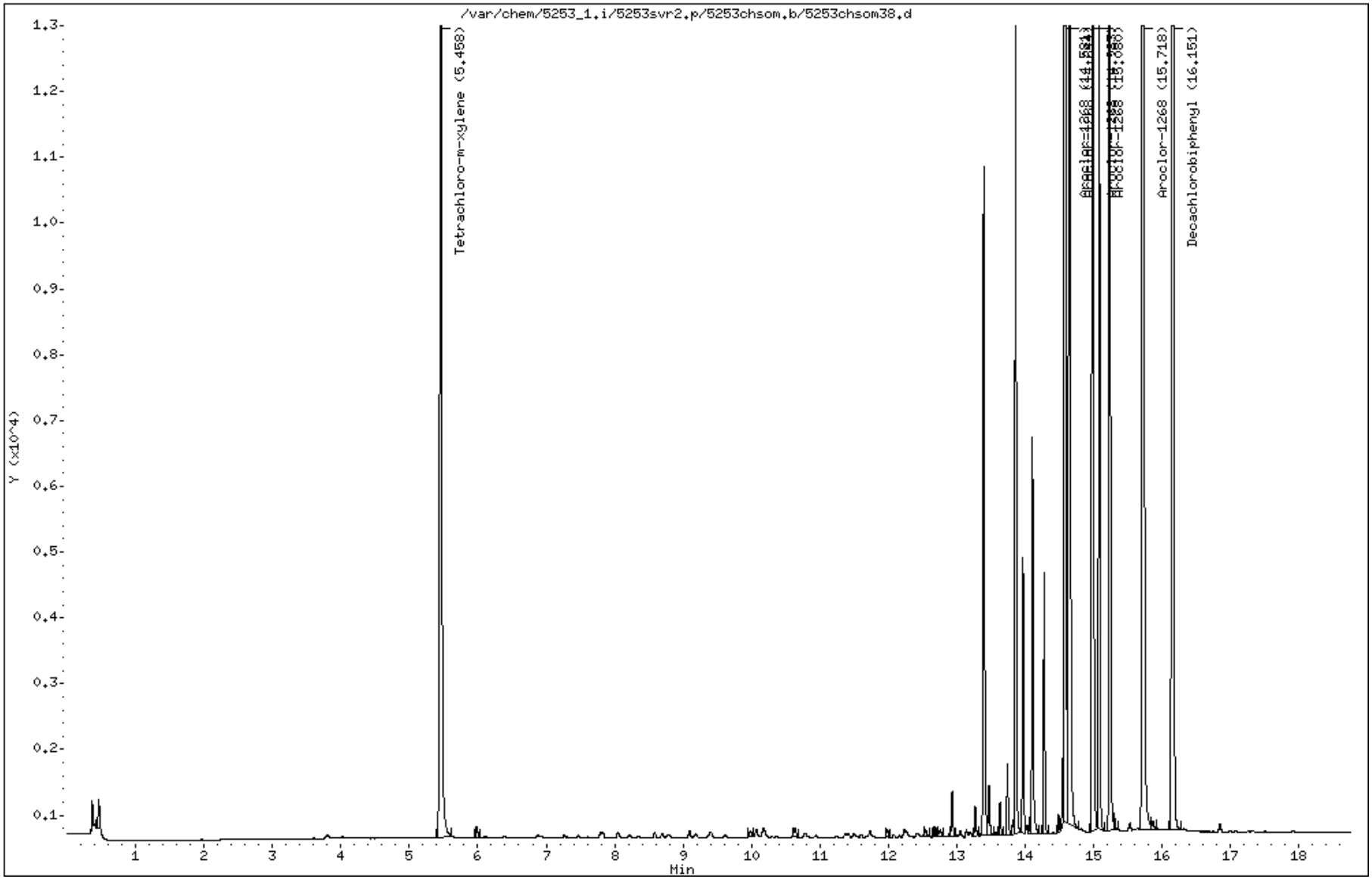
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom37.d
Lab Smp Id: IC-491987 Client Smp ID: AR12684S1
Inj Date : 14-AUG-2013 04:44
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491987,1,AR12684S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

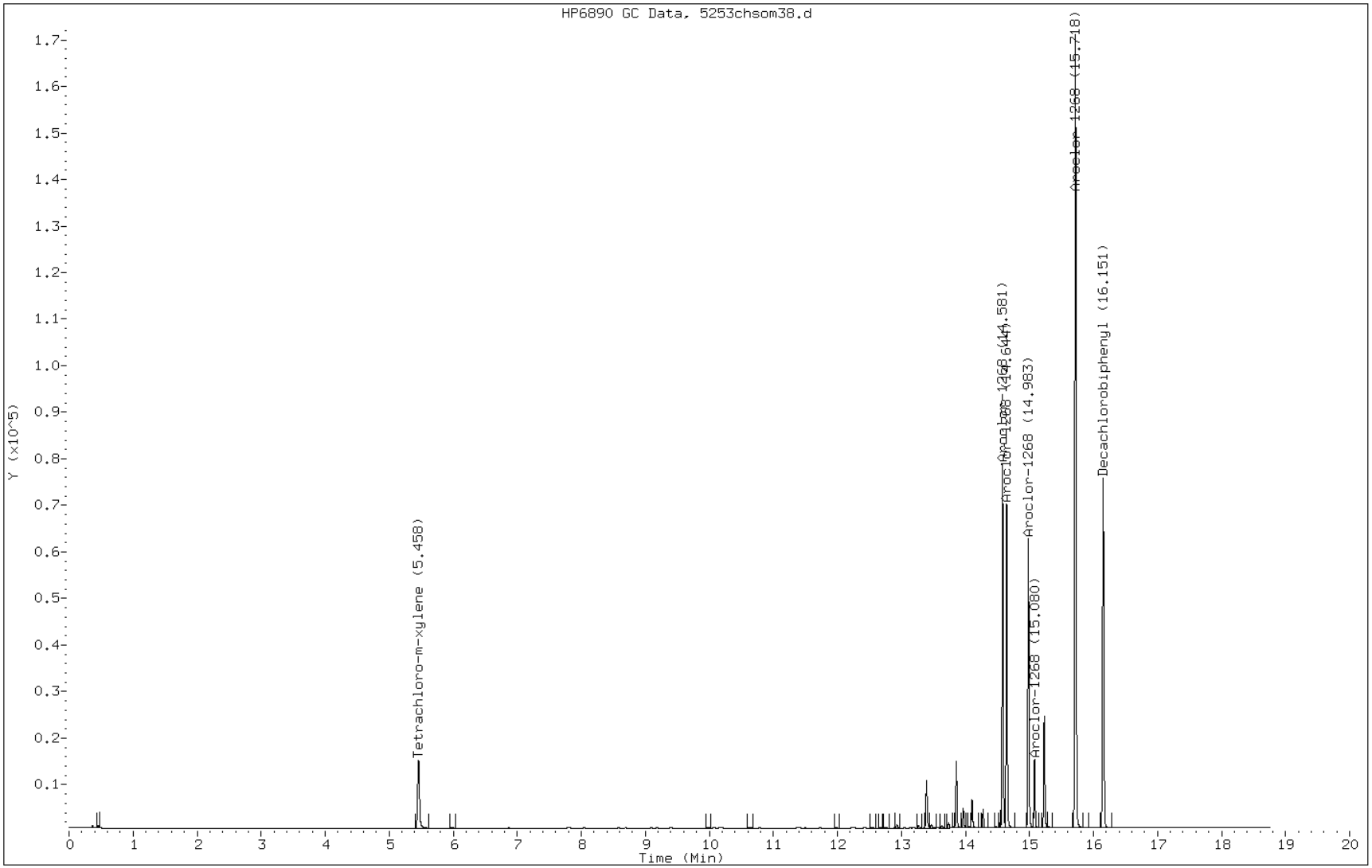
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	8732	0.04000	0.04042	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
15.771	15.771	0.000	32980	0.80000	0.8101	0.00- 20.00	100.00
15.845	15.845	0.000	26956	0.80000	0.8270	0.00- 20.00	81.73
16.312	16.311	0.001	22549	0.80000	0.7906	0.00- 20.00	68.37
16.492	16.491	0.001	5441	0.80000	0.7622	0.00- 20.00	16.50
17.354	17.354	0.000	66257	0.80000	0.8311	0.00- 20.00	200.90
Average of Peak Amounts =					0.804		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	25457	0.08000	0.1409	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom38.d
Date : 14-AUG-2013 05:09
Client ID: AR1268SS1
Instrument: 5253_1.i
Sample Info: IC-491868,1,AR1268SS1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File:	5253chsom38.d	Date:	14-AUG-2013 05:09
Client ID:	AR12685S1	Instrument:	5253_1.i
Operator:	MMS	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-491868,1,AR12685S1		



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom38.d
Lab Smp Id: IC-491868 Client Smp ID: AR12685S1
Inj Date : 14-AUG-2013 05:09
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491868,1,AR12685S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 38 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

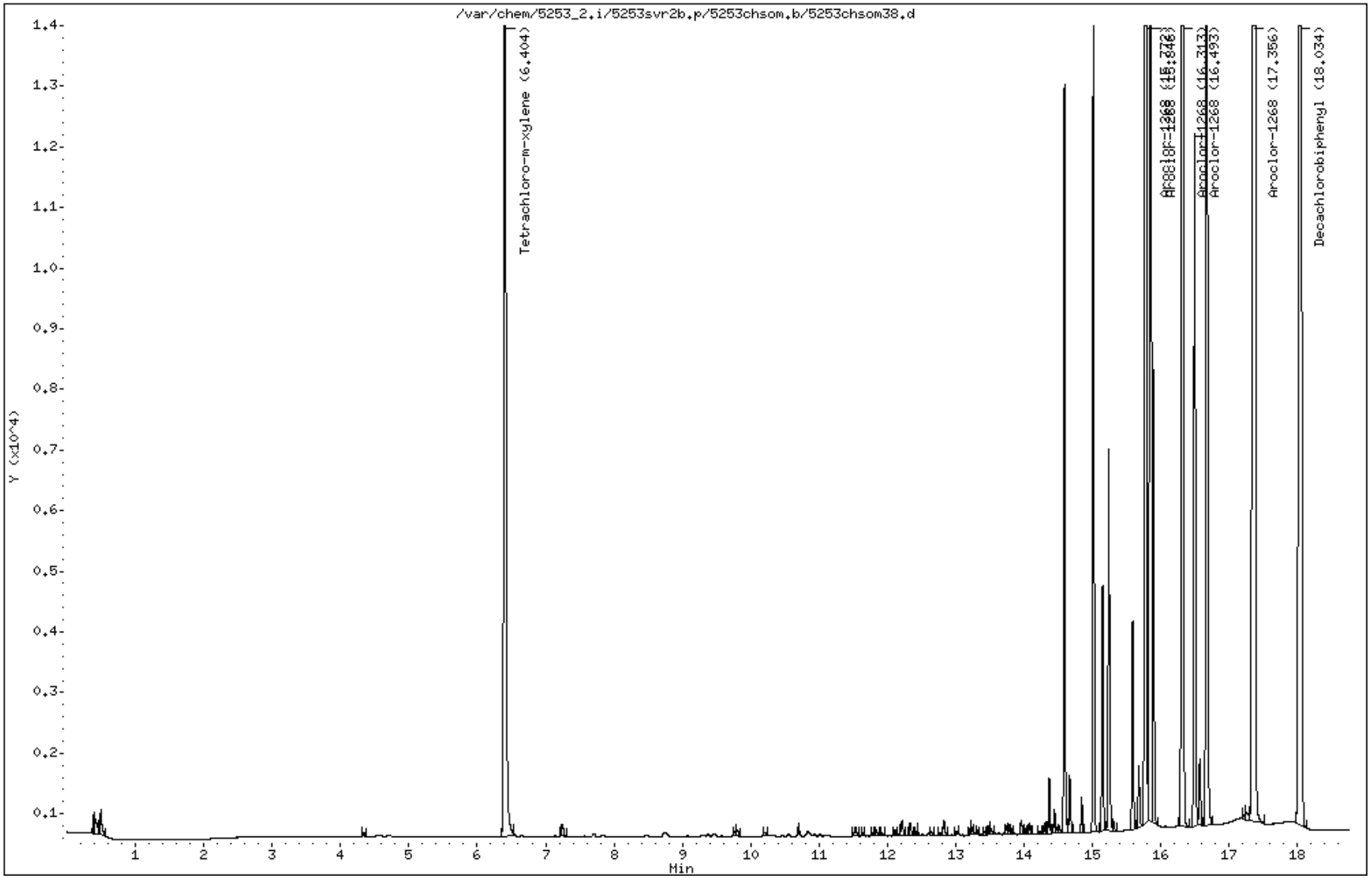
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	14536	0.08000	0.08319	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
14.581	14.580	0.001	78081	1.60000	1.726	0.00- 20.00	100.00(A)
14.644	14.643	0.001	69435	1.60000	1.713	0.00- 20.00	88.93
14.983	14.981	0.002	62193	1.60000	1.697	0.00- 20.00	79.65
15.080	15.080	0.000	14759	1.60000	1.593	0.00- 20.00	18.90
15.718	15.719	-0.001	170337	1.60000	1.643	0.00- 20.00	218.15
Average of Peak Amounts =					1.67		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	75045	0.16000	0.2967	80.00- 120.00	100.00

QC Flag Legend

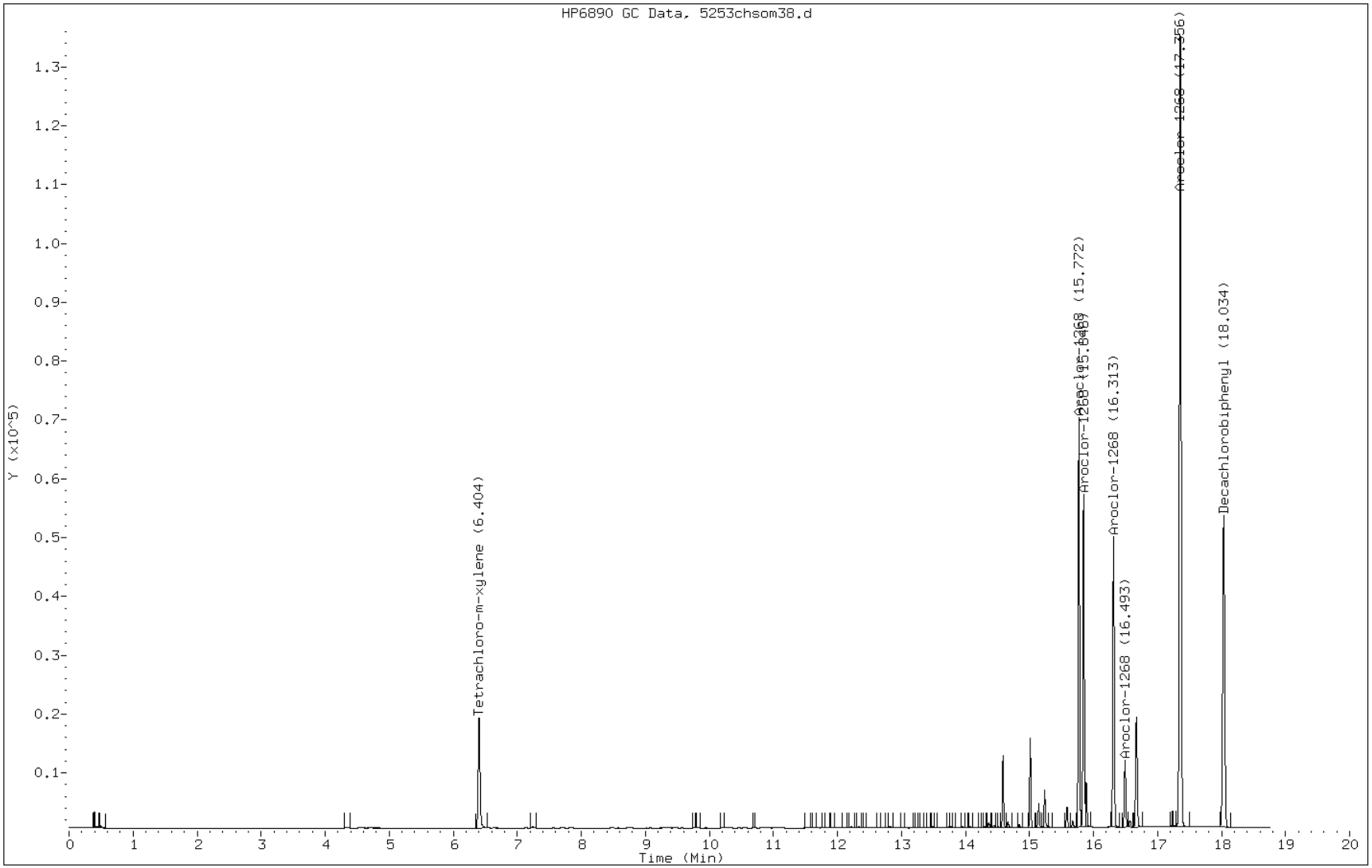
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom38.d
Date : 14-AUG-2013 05:09
Client ID: AR12685S1
Instrument: 5253_2.i
Sample Info: IC-491868,1,AR12685S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom38.d
Client ID: AR12685S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491868,1,AR12685S1

Date: 14-AUG-2013 05:09
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom38.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom38.d
Lab Smp Id: IC-491868 Client Smp ID: AR12685S1
Inj Date : 14-AUG-2013 05:09
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491868,1,AR12685S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 38 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

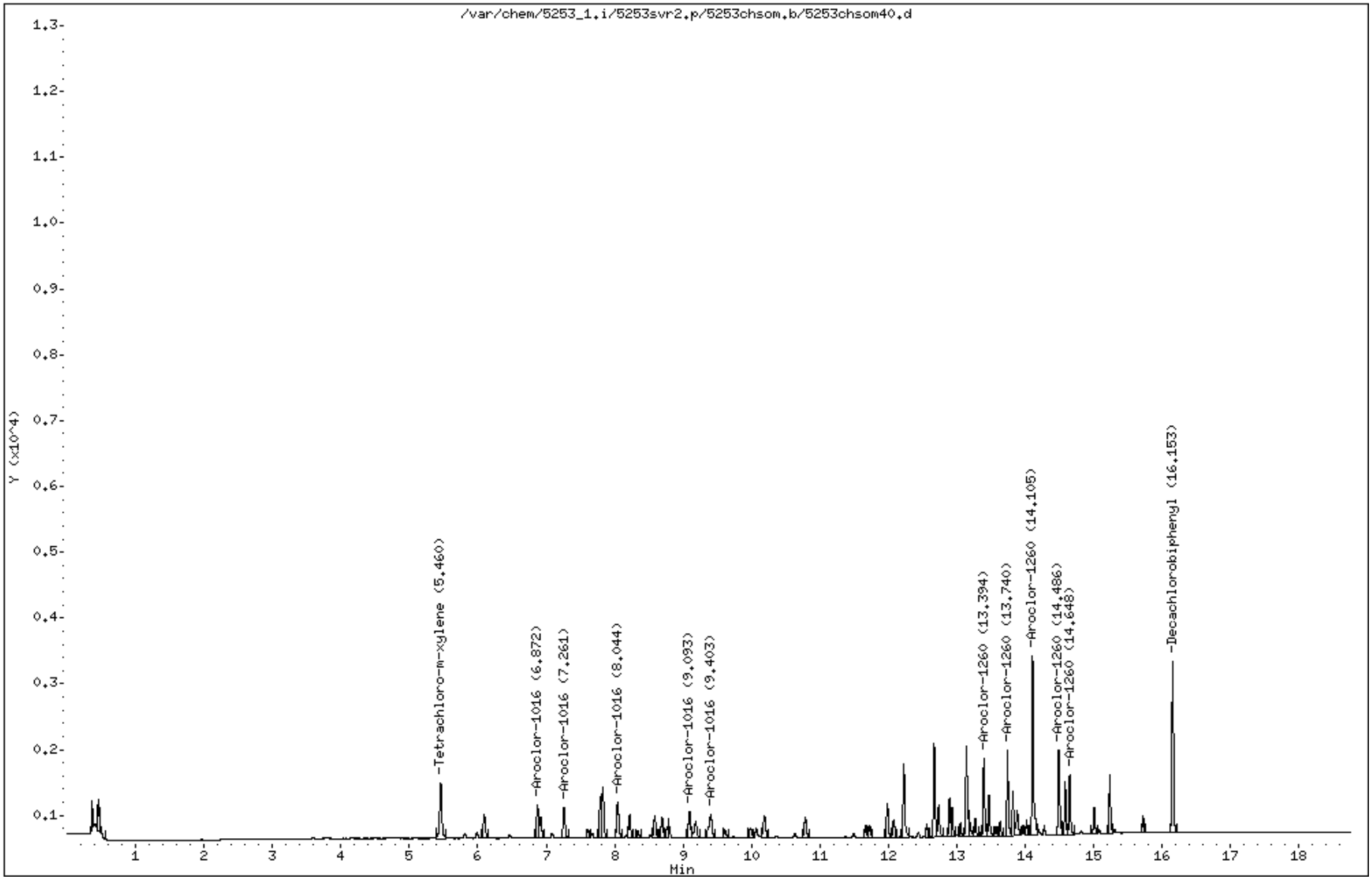
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	18732	0.08000	0.08670	80.00- 120.00	100.00
10 Aroclor-1268					CAS #: 11100-14-4		
15.772	15.771	0.001	69529	1.60000	1.708	0.00- 20.00	100.00(A)
15.846	15.845	0.001	56437	1.60000	1.732	0.00- 20.00	81.17
16.313	16.311	0.002	49420	1.60000	1.733	0.00- 20.00	71.08
16.493	16.491	0.002	11410	1.60000	1.598	0.00- 20.00	16.41
17.356	17.354	0.002	134579	1.60000	1.688	0.00- 20.00	193.56
Average of Peak Amounts =					1.69		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	53018	0.16000	0.2934	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom40.d
Date : 14-AUG-2013 05:58
Client ID: AR16601S1
Instrument: 5253_1.i
Sample Info: IC-492065,1,AR16601S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



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Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom40.d
Lab Smp Id: IC-492065 Client Smp ID: AR16601S1
Inj Date : 14-AUG-2013 05:58
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-492065,1,AR16601S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 40 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.459	5.458	0.001	849	0.00500	0.004859	80.00- 120.00	100.00(M)
5 Aroclor-1016					CAS #: 12674-11-2		
6.871	6.870	0.001	508	0.10000	0.1145	80.00- 120.00	100.00(M)
7.260	7.260	0.000	464	0.10000	0.1123	242.86- 282.86	91.34
8.044	8.041	0.003	546	0.10000	0.1064	231.90- 271.90	107.48
9.093	9.090	0.003	407	0.10000	0.1101	98.24- 138.24	80.12
9.402	9.401	0.001	369	0.10000	0.1098	94.08- 134.08	72.64
Average of Peak Amounts =					0.111		
8 Aroclor-1260					CAS #: 11096-82-5		
13.394	13.391	0.003	1172	0.10000	0.09883	80.00- 120.00	100.00(aM)
13.740	13.739	0.001	1297	0.10000	0.09816	92.64- 132.64	110.67
14.105	14.104	0.001	2719	0.10000	0.08977	69.99- 109.99	232.00
14.486	14.488	-0.002	1292	0.10000	0.09677	115.64- 155.64	110.24
14.648	14.649	-0.001	908	0.10000	0.1030	57.50- 97.50	77.47
Average of Peak Amounts =					0.0973		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	2598	0.01000	0.01027	80.00- 120.00	100.00(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_1.i
Client ID: AR16601S1
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/14/2013

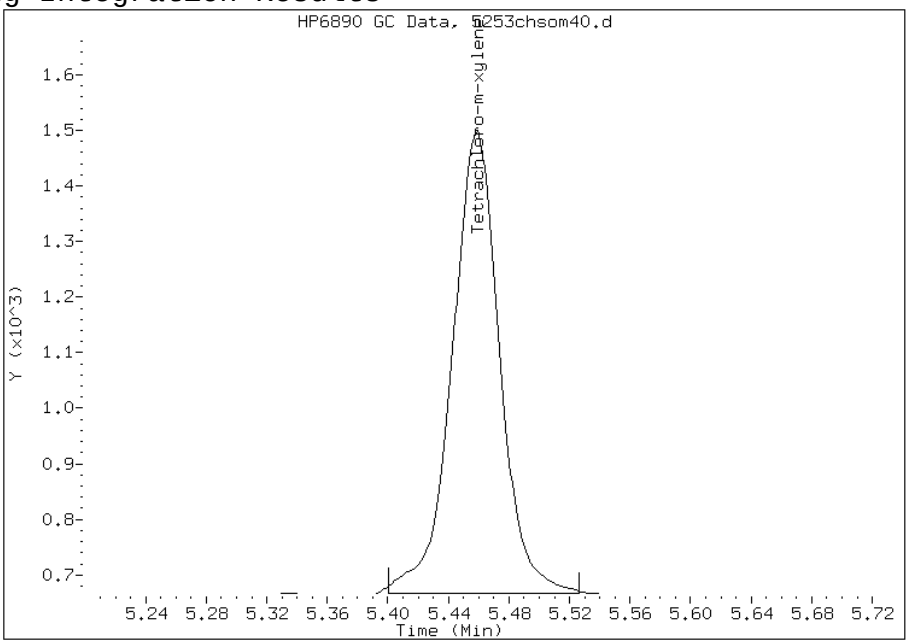
Processing Integration Results

RT: 5.46

Response: 833

Amount: 0.004767

Conc: 0.004767



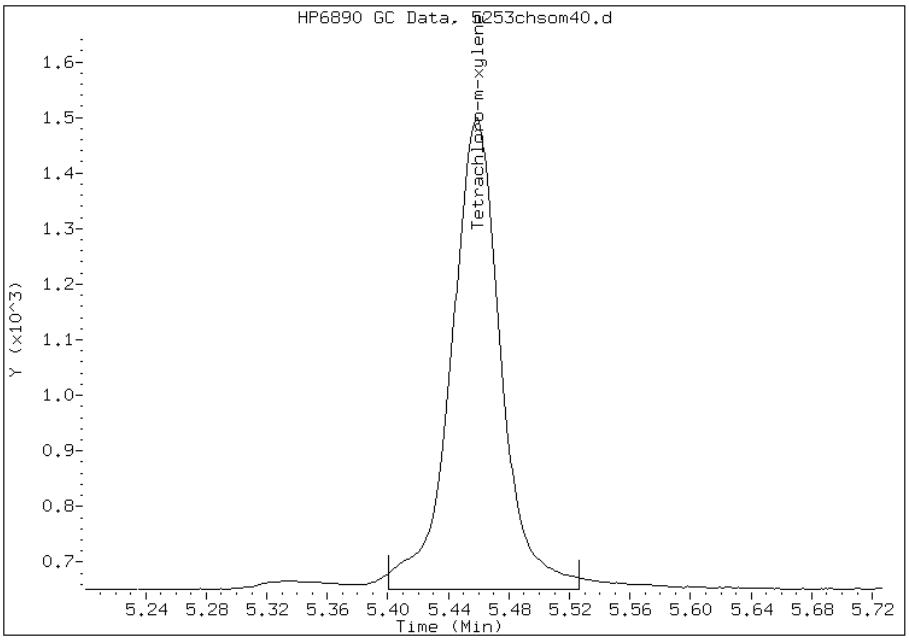
Manual Integration Results

RT: 5.46

Response: 849

Amount: 0.004859

Conc: 0.004859



File Uploaded By: jsw
Manual Integration Reason: Baseline event

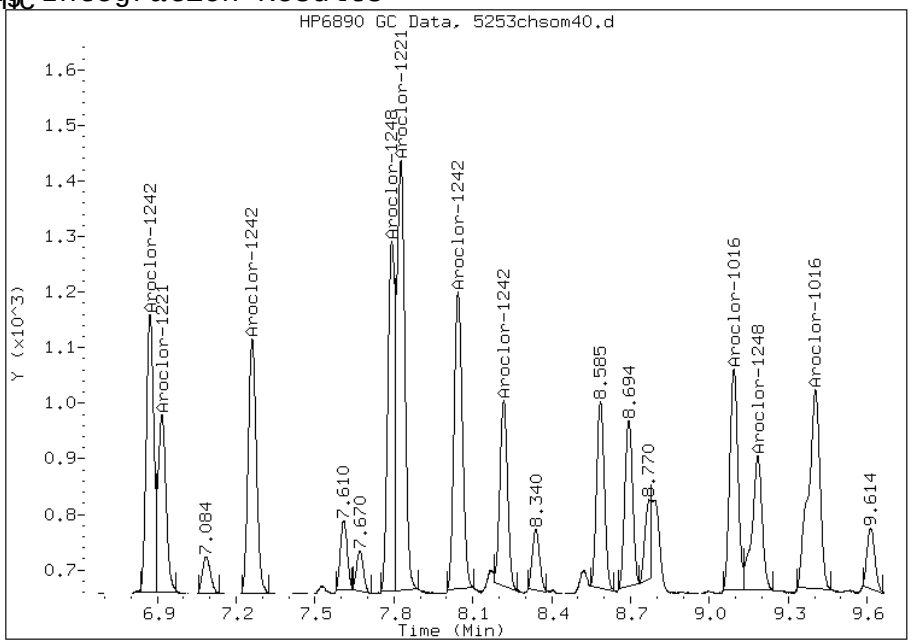
Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_1.i
Client ID: AR16601S1
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	499*	0.11
7.26	458*	0.11
8.04	535*	0.10
9.09	397*	0.11
9.40	359*	0.11

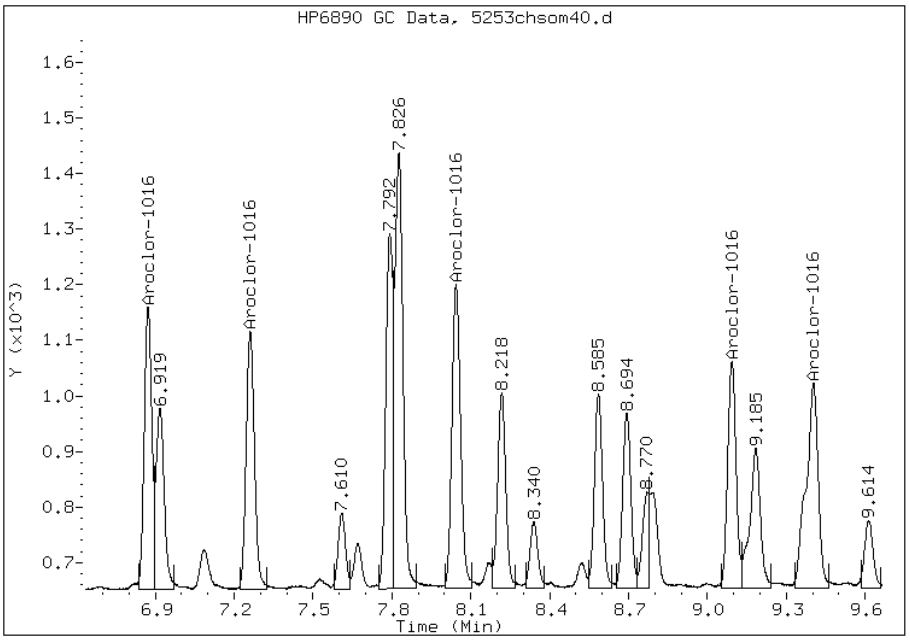
Final Conc		0.11



Manual Integration Results

RT	Response	Conc
6.87	508*	0.11
7.26	464*	0.11
8.04	546*	0.11
9.09	407*	0.11
9.40	369*	0.11

Final Conc		0.11



File Uploaded By: jsw
Manual Integration Reason: Baseline event

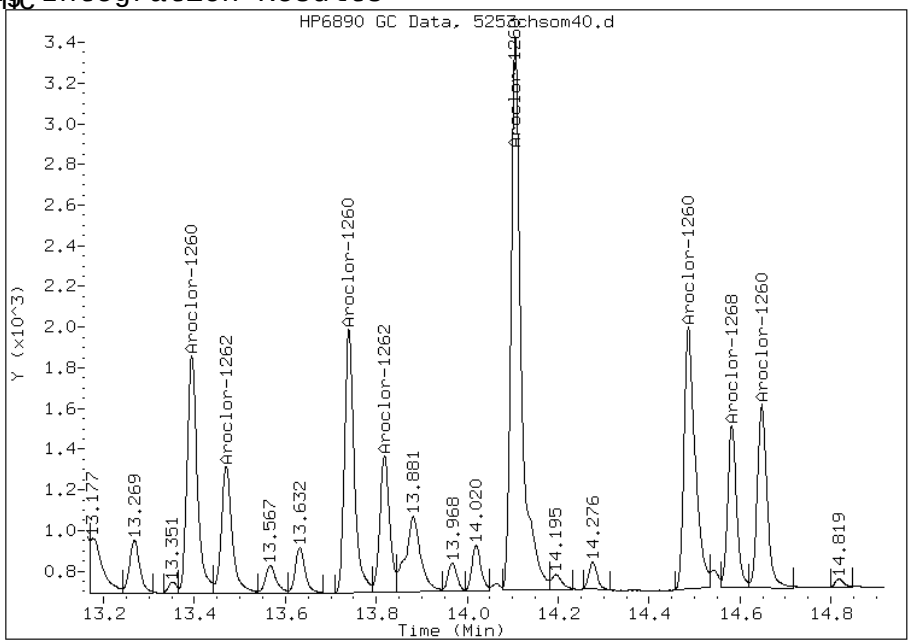
Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_1.i
Client ID: AR16601S1
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.39	1166*	0.10
13.74	1295*	0.10
14.11	2718*	0.09
14.49	1287*	0.10
14.65	901*	0.10

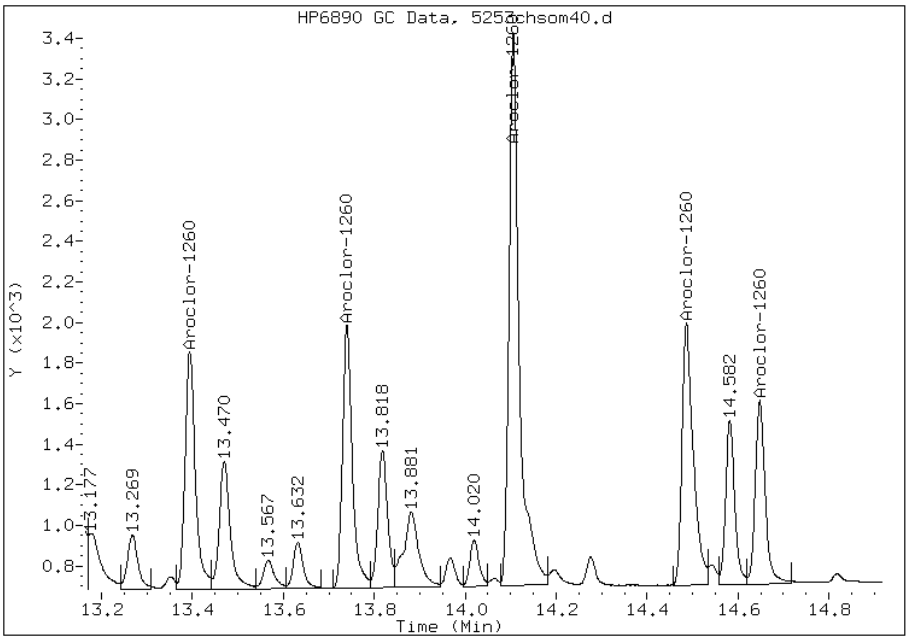
Final Conc		0.10



Manual Integration Results

RT	Response	Conc
13.39	1172*	0.10
13.74	1297*	0.10
14.11	2719*	0.09
14.49	1292*	0.10
14.65	908*	0.10

Final Conc		0.10



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_1.i
Client ID: AR16601S1
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 08/14/2013

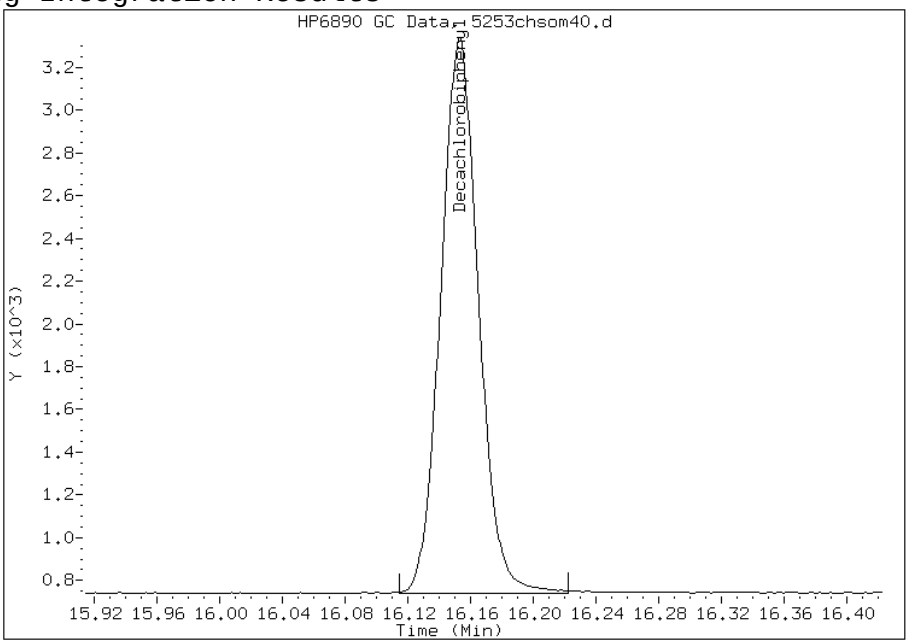
Processing Integration Results

RT: 16.15

Response: 2599

Amount: 0.010274

Conc: 0.010270



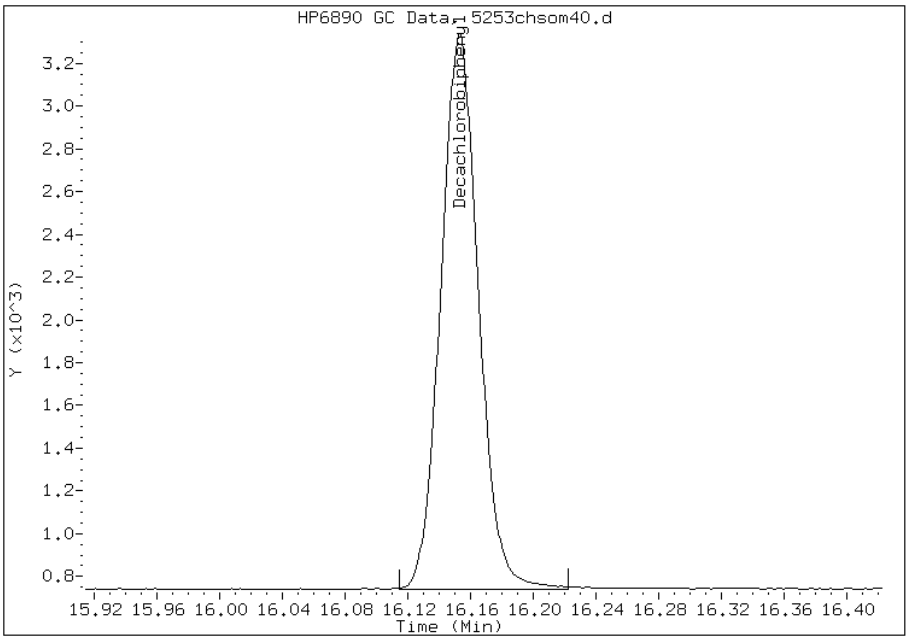
Manual Integration Results

RT: 16.15

Response: 2598

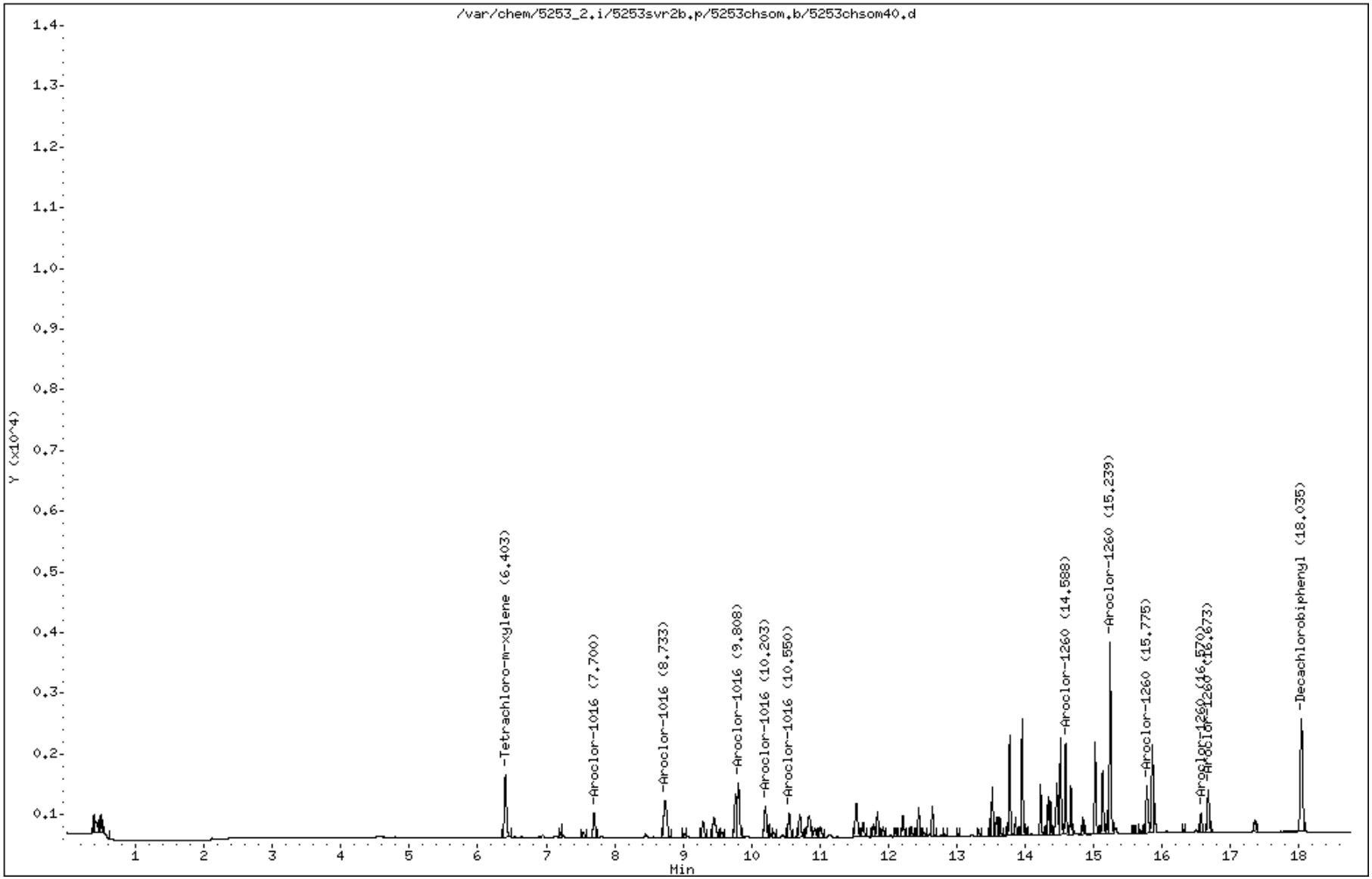
Amount: 0.010270

Conc: 0.010270



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom40.d
Date : 14-AUG-2013 05:58
Client ID: AR16601S1
Instrument: 5253_2.i
Sample Info: IC-492065,1,AR16601S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom40.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom40.d
Lab Smp Id: IC-492065 Client Smp ID: AR16601S1
Inj Date : 14-AUG-2013 05:58
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-492065,1,AR16601S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 05:58 Cal File: 5253chsom40.d
Als bottle: 40 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	1025	0.00500	0.004744	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.700	7.700	0.000	410	0.10000	0.1112	80.00- 120.00	100.00(M)
8.733	8.731	0.002	603	0.10000	0.1094	242.86- 282.86	147.07
9.808	9.809	-0.001	889	0.10000	0.09888	231.90- 271.90	216.83
10.202	10.200	0.002	507	0.10000	0.1056	98.24- 138.24	123.66
10.550	10.549	0.001	388	0.10000	0.1037	94.08- 134.08	94.63
Average of Peak Amounts =					0.106		
8 Aroclor-1260					CAS #: 11096-82-5		
14.588	14.589	-0.001	1491	0.10000	0.1016	80.00- 120.00	100.00(M)
15.239	15.239	0.000	3155	0.10000	0.09534	92.64- 132.64	211.60
15.775	15.771	0.004	778	0.10000	0.1066	69.99- 109.99	52.18
16.569	16.569	0.000	319	0.10000	0.1066	115.64- 155.64	21.40
16.672	16.670	0.002	709	0.10000	0.1020	57.50- 97.50	47.55
Average of Peak Amounts =					0.102		

Data File: 5253chsom40.d
Report Date: 14-Aug-2013 16:21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.035	18.032	0.003	1860	0.01000	0.01029	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

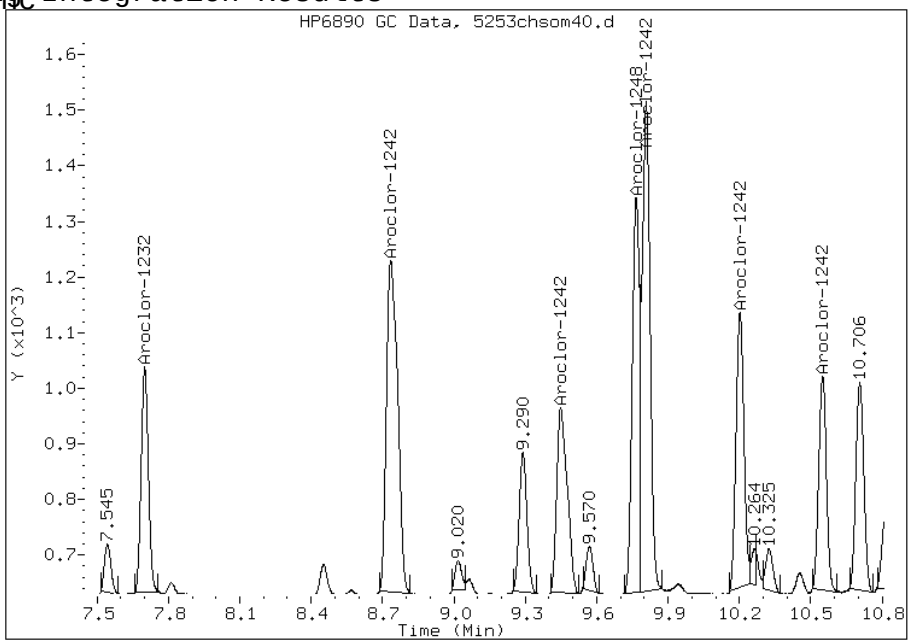
Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_2.i
Client ID: AR16601S1
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.70	406*	0.11
8.73	596*	0.11
9.81	881*	0.10
10.20	494*	0.10
10.55	384*	0.10

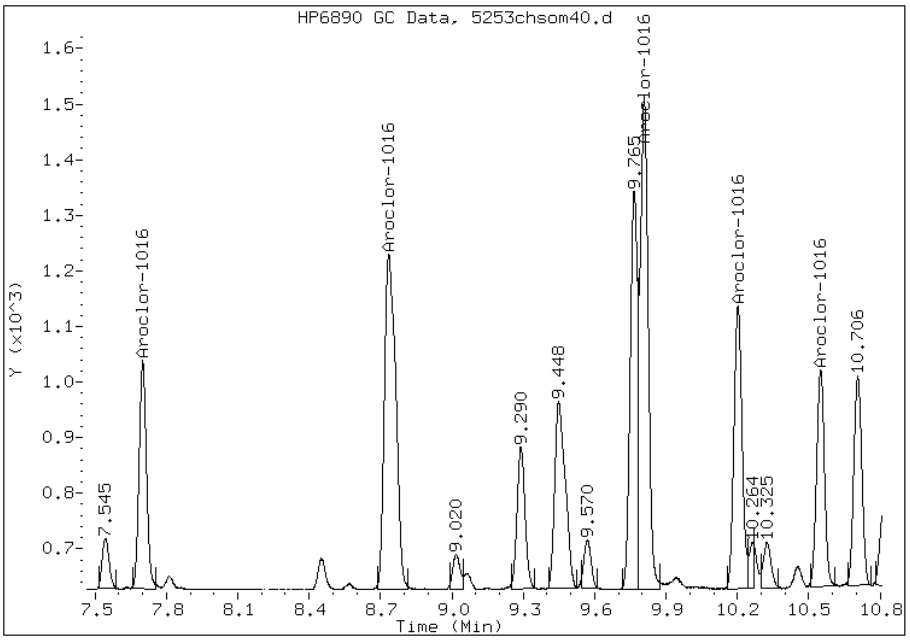
Final Conc		0.10



Manual Integration Results

RT	Response	Conc
7.70	410*	0.11
8.73	603*	0.11
9.81	889*	0.10
10.20	507*	0.11
10.55	388*	0.10

Final Conc		0.11



File Uploaded By: jsw
Manual Integration Reason: Baseline event

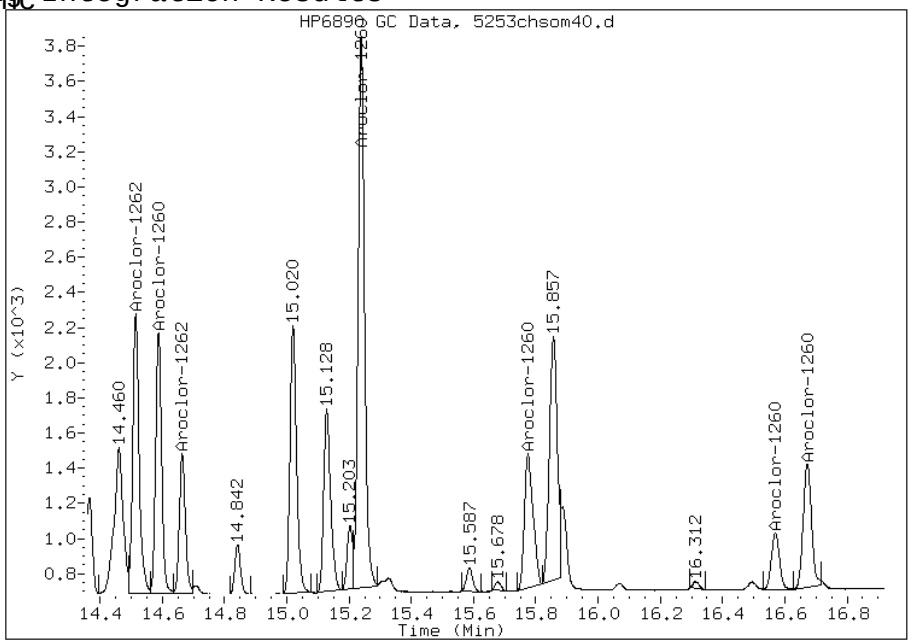
Manual Integration Report

Data File: 5253chsom40.d
Lab Sample ID: IC-492065
Inj. Date and Time: 14-AUG-2013 05:58
Instrument ID: 5253_2.i
Client ID: AR16601S1
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
14.59	1484*	0.10
15.24	3130*	0.09
15.77	762*	0.10
16.57	320*	0.11
16.67	699*	0.10

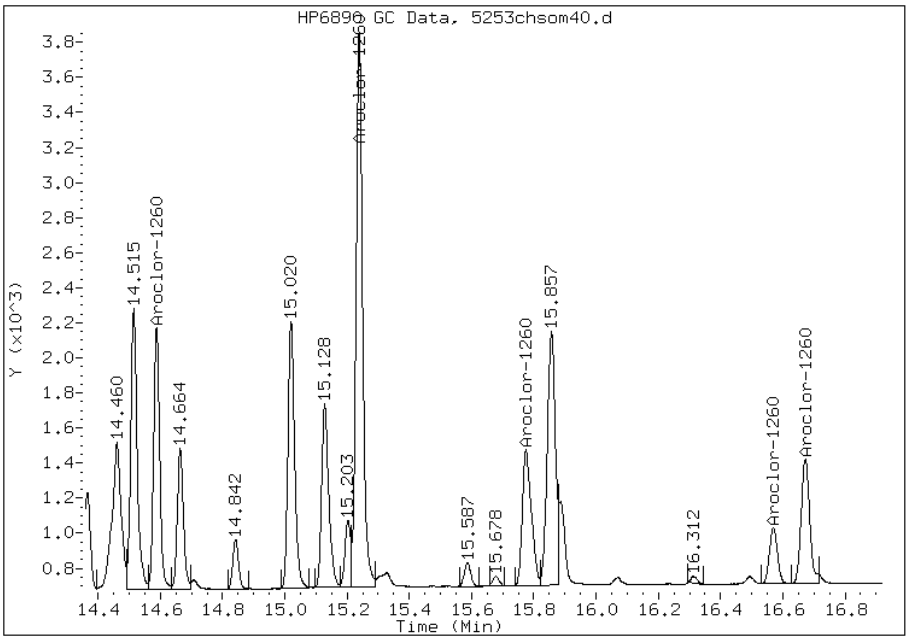
Final Conc		0.10



Manual Integration Results

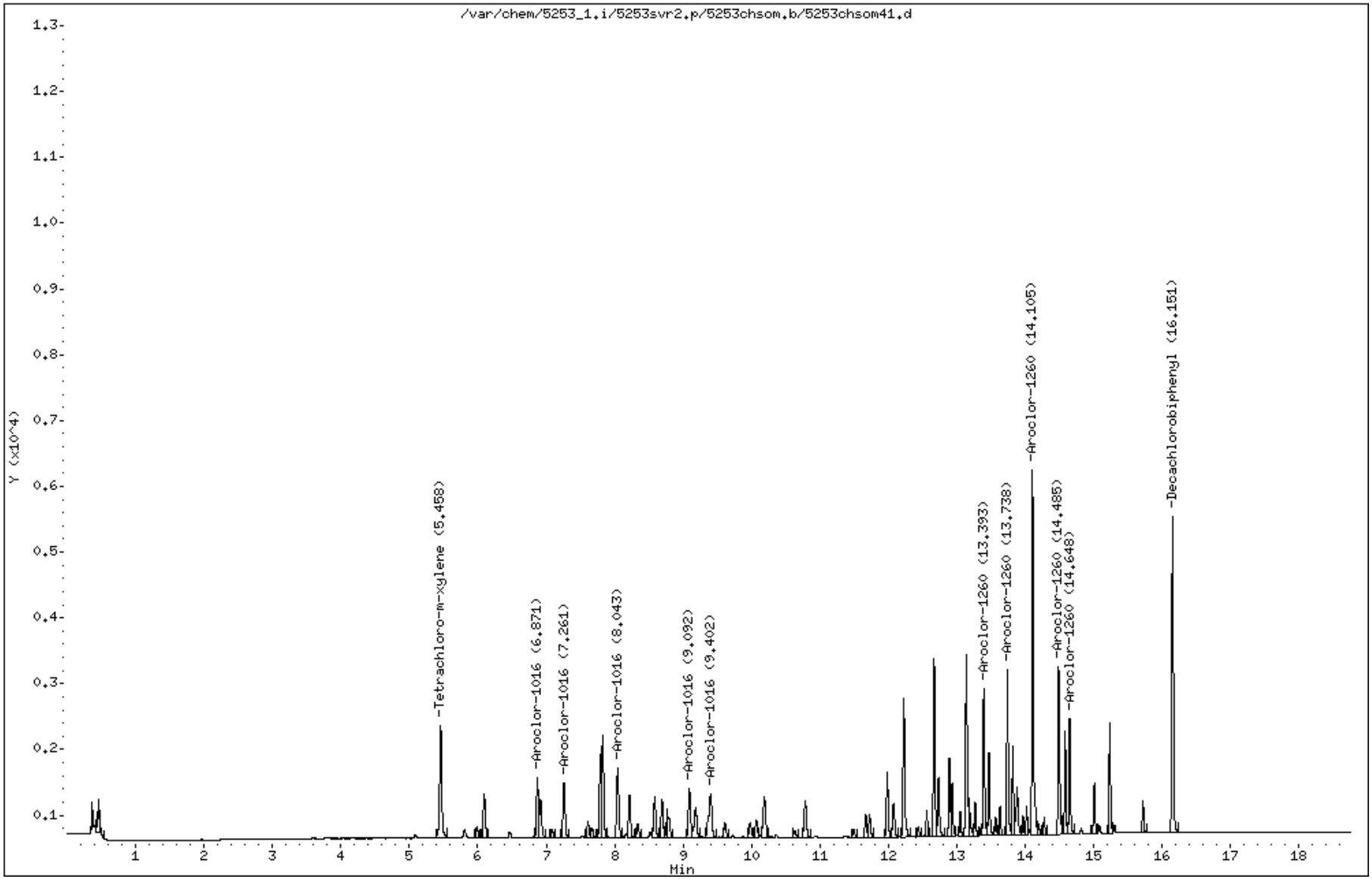
RT	Response	Conc
14.59	1491*	0.10
15.24	3155*	0.10
15.77	778*	0.11
16.57	319*	0.11
16.67	709*	0.10

Final Conc		0.10



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom41.d
Date : 14-AUG-2013 06:23
Client ID: AR16602S1
Instrument: 5253_1.i
Sample Info: IC-491994,1,AR16602S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom41.d
Lab Smp Id: IC-491994 Client Smp ID: AR16602S1
Inj Date : 14-AUG-2013 06:23
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491994,1,AR16602S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 41 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	1698	0.01000	0.009718	80.00- 120.00	100.00(M)
5 Aroclor-1016					CAS #: 12674-11-2		
6.871	6.870	0.001	921	0.20000	0.2077	80.00- 120.00	100.00(M)
7.260	7.260	0.000	838	0.20000	0.2028	242.86- 282.86	90.99
8.043	8.041	0.002	1056	0.20000	0.2059	231.90- 271.90	114.66
9.091	9.090	0.001	740	0.20000	0.2003	98.24- 138.24	80.35
9.402	9.401	0.001	659	0.20000	0.1962	94.08- 134.08	71.55
Average of Peak Amounts =					0.203		
8 Aroclor-1260					CAS #: 11096-82-5		
13.393	13.391	0.002	2237	0.20000	0.1886	80.00- 120.00	100.00
13.738	13.739	-0.001	2518	0.20000	0.1906	92.64- 132.64	112.56
14.105	14.104	0.001	5549	0.20000	0.1832	69.99- 109.99	248.06
14.485	14.488	-0.003	2548	0.20000	0.1908	115.64- 155.64	113.90
14.648	14.649	-0.001	1759	0.20000	0.1995	57.50- 97.50	78.63
Average of Peak Amounts =					0.191		

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	4796	0.02000	0.01896	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Manual Integration Report

Data File: 5253chsom41.d
Lab Sample ID: IC-491994
Inj. Date and Time: 14-AUG-2013 06:23
Instrument ID: 5253_1.i
Client ID: AR16602S1
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/14/2013

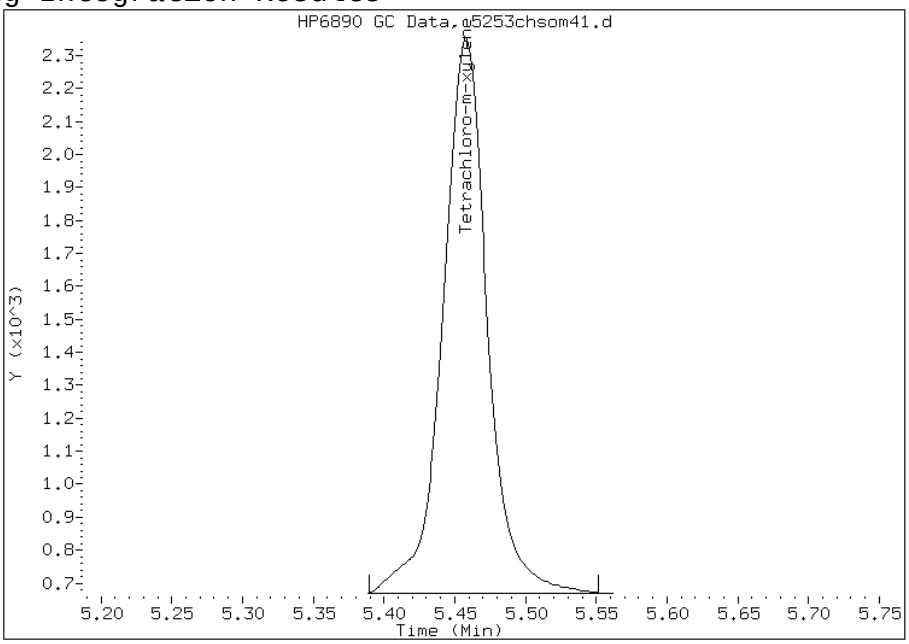
Processing Integration Results

RT: 5.46

Response: 1686

Amount: 0.009649

Conc: 0.009649



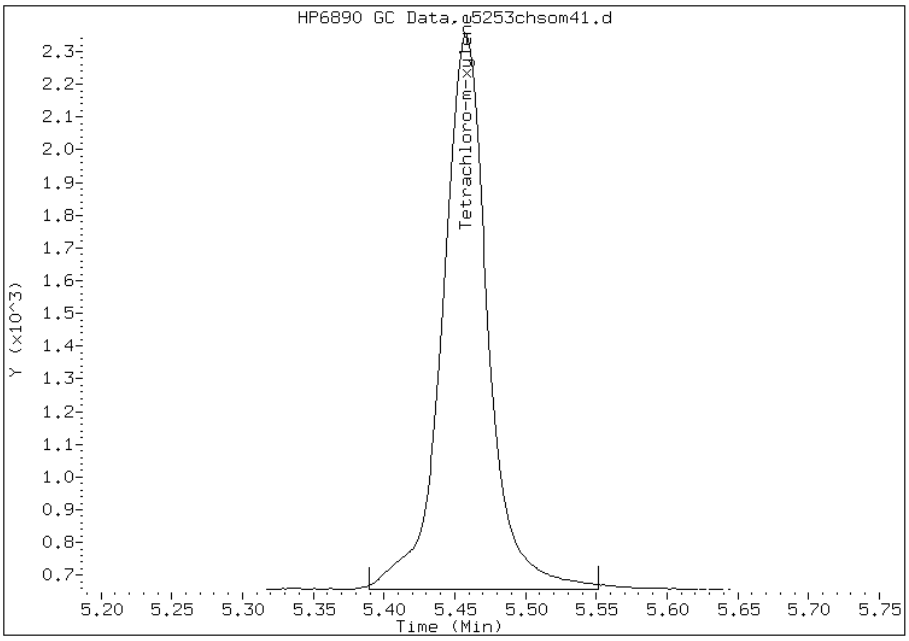
Manual Integration Results

RT: 5.46

Response: 1698

Amount: 0.009718

Conc: 0.009718



File Uploaded By: jsw
Manual Integration Reason: Baseline event

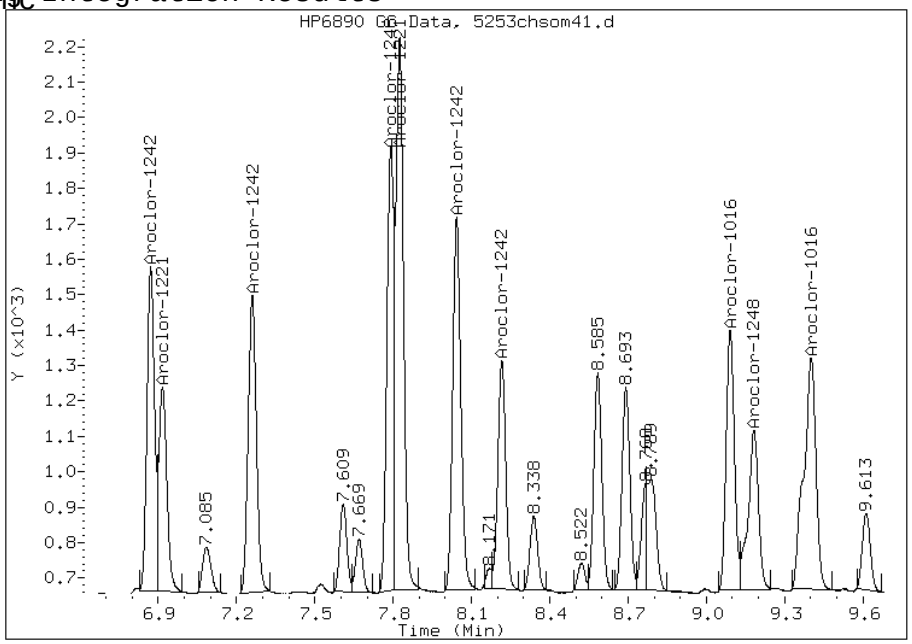
Manual Integration Report

Data File: 5253chsom41.d
Lab Sample ID: IC-491994
Inj. Date and Time: 14-AUG-2013 06:23
Instrument ID: 5253_1.i
Client ID: AR16602S1
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
6.87	917*	0.21
7.26	839*	0.20
8.04	1051*	0.20
9.09	734*	0.20
9.40	654*	0.19

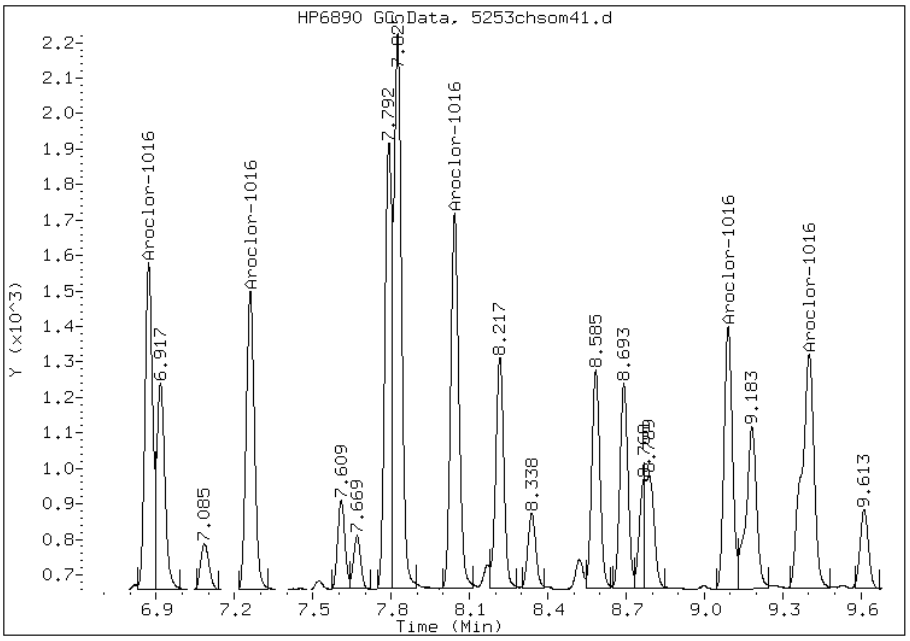
Final Conc		0.20



Manual Integration Results

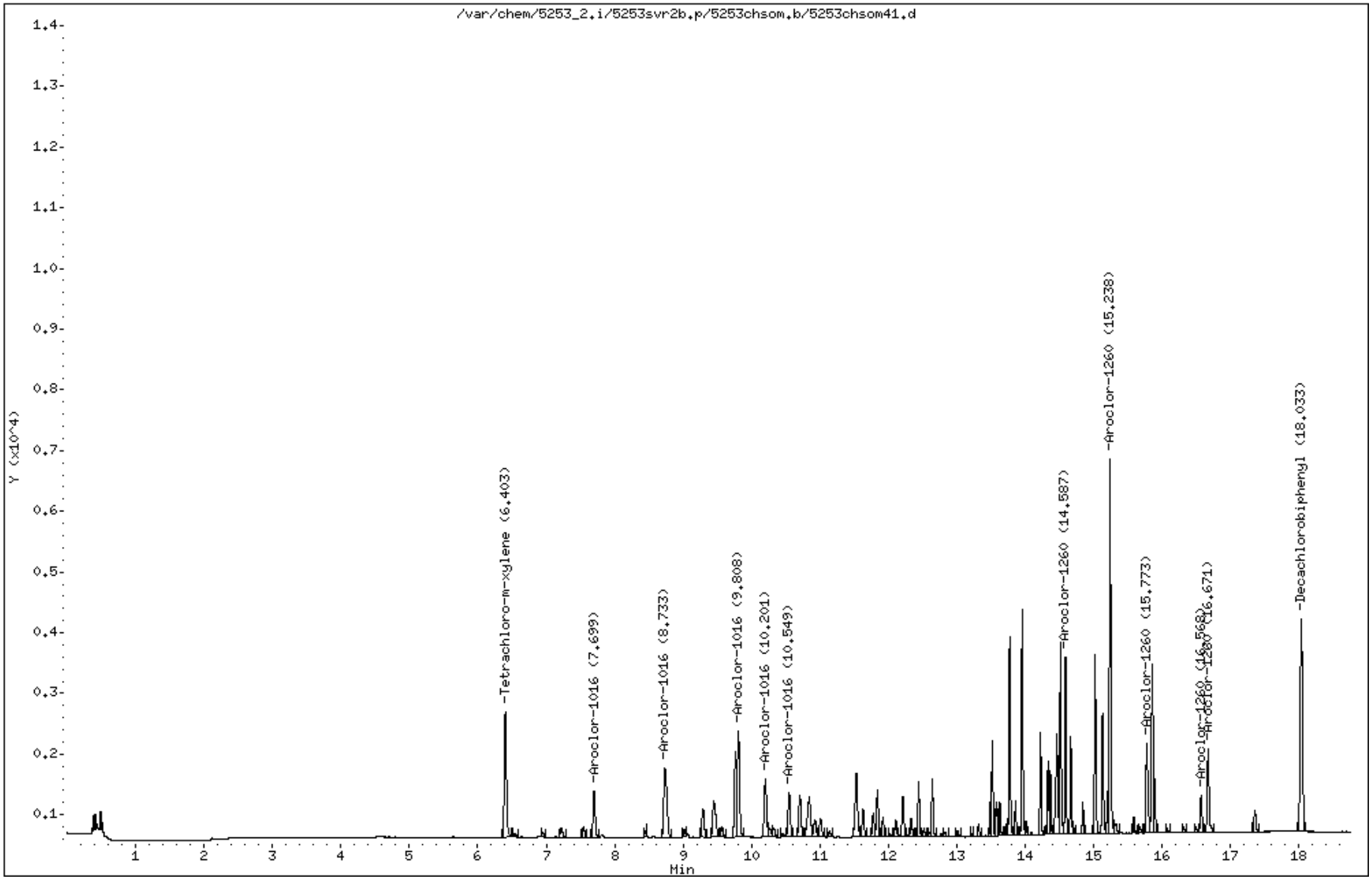
RT	Response	Conc
6.87	921*	0.21
7.26	838*	0.20
8.04	1056*	0.21
9.09	740*	0.20
9.40	659*	0.20

Final Conc		0.20



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom41.d
Date : 14-AUG-2013 06:23
Client ID: AR16602S1
Instrument: 5253_2.i
Sample Info: IC-491994,1,AR16602S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom41.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom41.d
Lab Smp Id: IC-491994 Client Smp ID: AR16602S1
Inj Date : 14-AUG-2013 06:23
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491994,1,AR16602S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:23 Cal File: 5253chsom41.d
Als bottle: 41 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

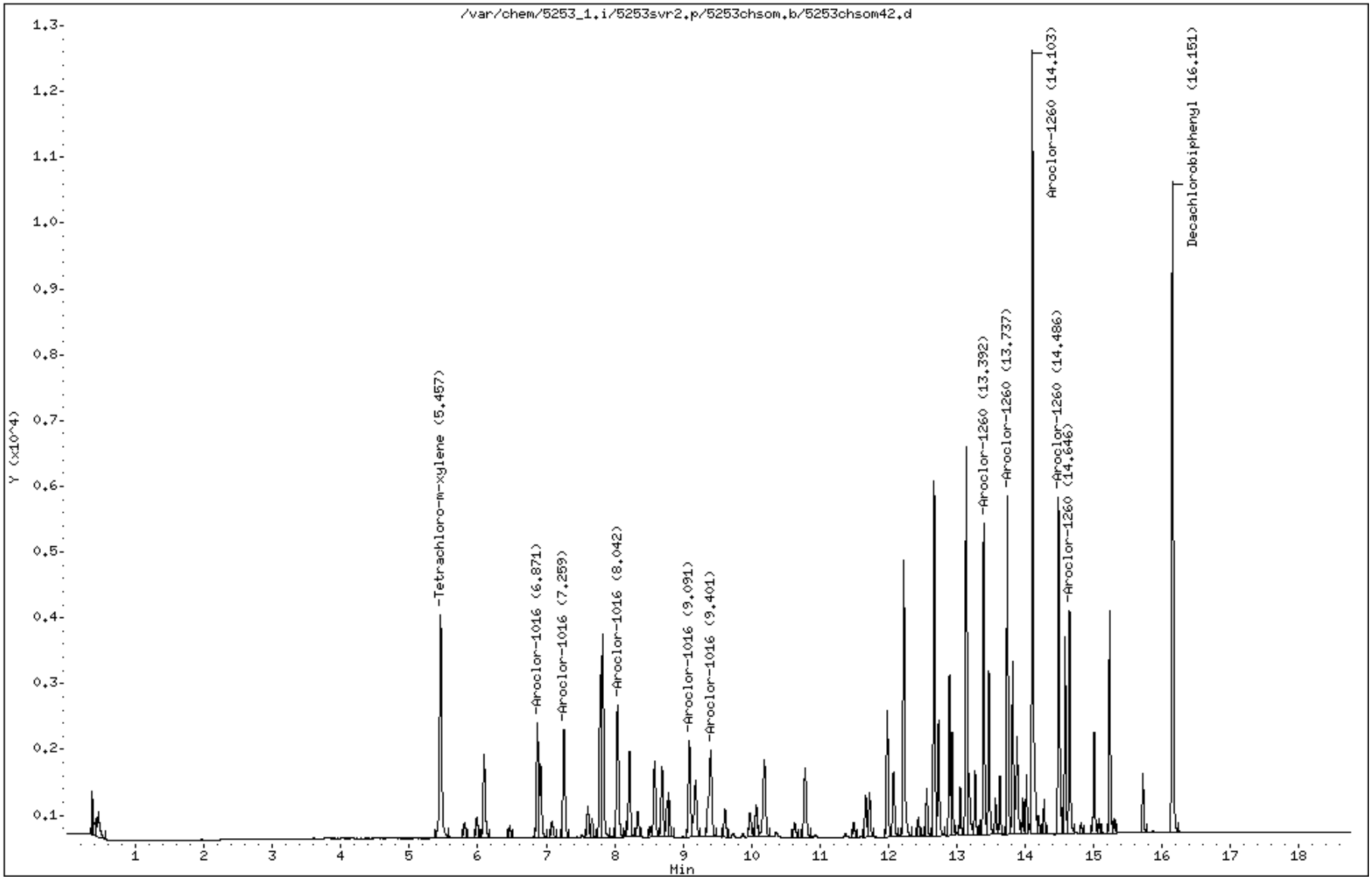
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	2059	0.01000	0.009530	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.699	7.700	-0.001	749	0.20000	0.2031	80.00- 120.00	100.00
8.733	8.731	0.002	1145	0.20000	0.2077	242.86- 282.86	152.87
9.808	9.809	-0.001	1749	0.20000	0.1945	231.90- 271.90	233.51
10.201	10.200	0.001	957	0.20000	0.1994	98.24- 138.24	127.77
10.549	10.549	0.000	728	0.20000	0.1946	94.08- 134.08	97.20
Average of Peak Amounts =					0.2		
8 Aroclor-1260					CAS #: 11096-82-5		
14.587	14.589	-0.002	2914	0.20000	0.1985	80.00- 120.00	100.00
15.238	15.239	-0.001	6171	0.20000	0.1865	92.64- 132.64	211.77
15.773	15.771	0.002	1468	0.20000	0.2011	69.99- 109.99	50.38
16.568	16.569	-0.001	605	0.20000	0.2021	115.64- 155.64	20.76
16.671	16.670	0.001	1371	0.20000	0.1973	57.50- 97.50	47.05
Average of Peak Amounts =					0.197		

Data File: 5253chsom41.d
Report Date: 14-Aug-2013 16:21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	3506	0.02000	0.01940	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom42.d
Date : 14-AUG-2013 06:47
Client ID: AR16603S1
Instrument: 5253_1.i
Sample Info: ICRTAV-540886,1,AR16603S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom42.d
Lab Smp Id: ICRTAV-540886 Client Smp ID: AR16603S1
Inj Date : 14-AUG-2013 06:47
Operator : MMS Inst ID: 5253_1.i
Smp Info : ICRTAV-540886,1,AR16603S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 42 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

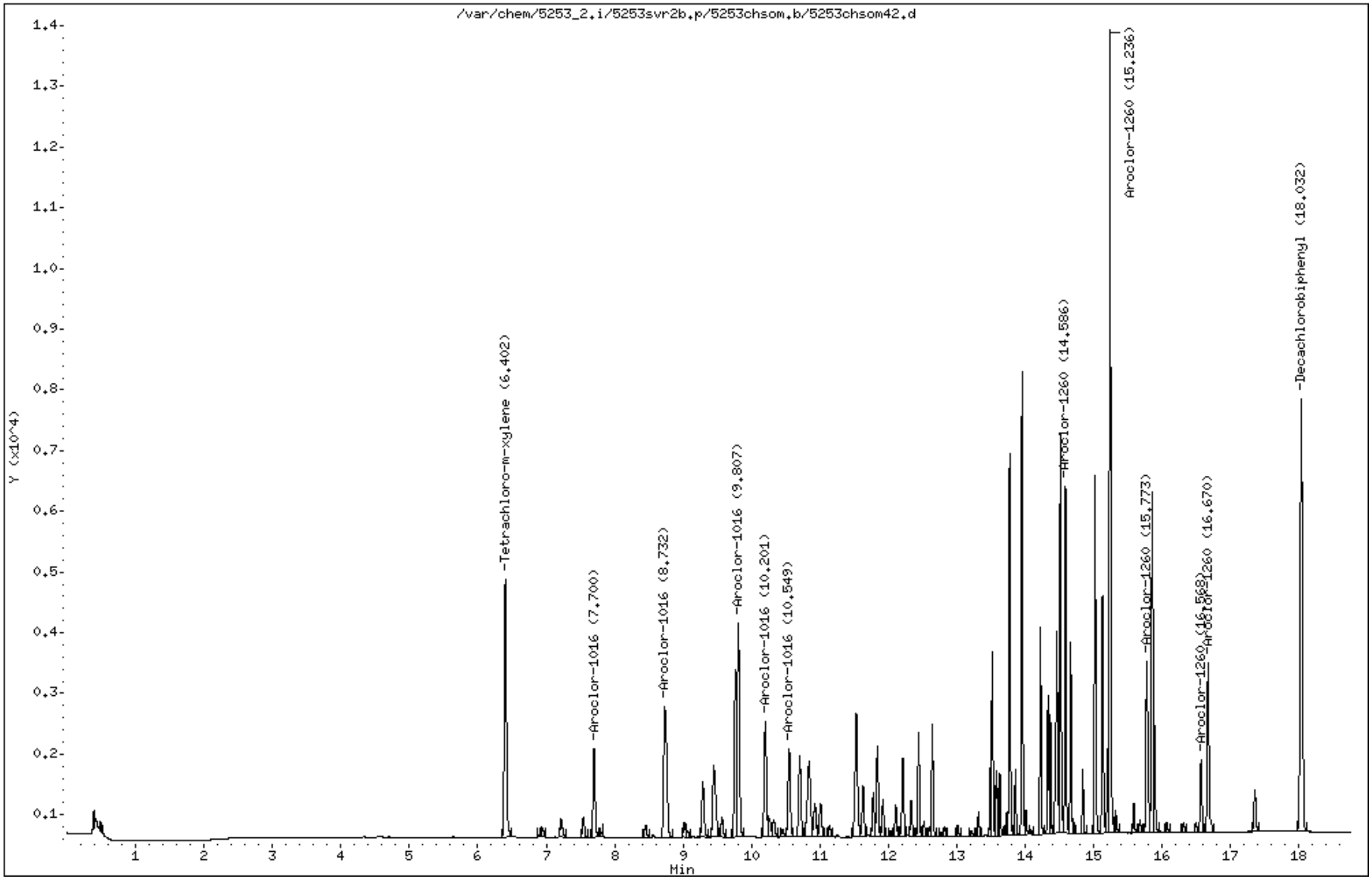
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	3389	0.02000	0.01940	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
6.871	6.870	0.001	1729	0.40000	0.3898	80.00- 120.00	100.00
7.259	7.260	-0.001	1633	0.40000	0.3951	242.86- 282.86	94.45
8.042	8.041	0.001	2002	0.40000	0.3903	231.90- 271.90	115.79
9.091	9.090	0.001	1460	0.40000	0.3951	98.24- 138.24	84.44
9.401	9.401	0.000	1322	0.40000	0.3935	94.08- 134.08	76.46
Average of Peak Amounts =					0.393		
8 Aroclor-1260					CAS #: 11096-82-5		
13.392	13.391	0.001	4722	0.40000	0.3982	80.00- 120.00	100.00
13.737	13.739	-0.002	5156	0.40000	0.3902	92.64- 132.64	109.19
14.103	14.104	-0.001	11901	0.40000	0.3929	69.99- 109.99	252.03
14.486	14.488	-0.002	5106	0.40000	0.3824	115.64- 155.64	108.13
14.646	14.649	-0.003	3389	0.40000	0.3843	57.50- 97.50	71.77
Average of Peak Amounts =					0.39		

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	9891	0.04000	0.03910	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom42.d
Date : 14-AUG-2013 06:47
Client ID: AR16603S1
Instrument: 5253_2.i
Sample Info: ICRTAV-540886,1,AR16603S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom42.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom42.d
Lab Smp Id: ICRTAV-540886 Client Smp ID: AR16603S1
Inj Date : 14-AUG-2013 06:47
Operator : MMS Inst ID: 5253_2.i
Smp Info : ICRTAV-540886,1,AR16603S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 06:47 Cal File: 5253chsom42.d
Als bottle: 42 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

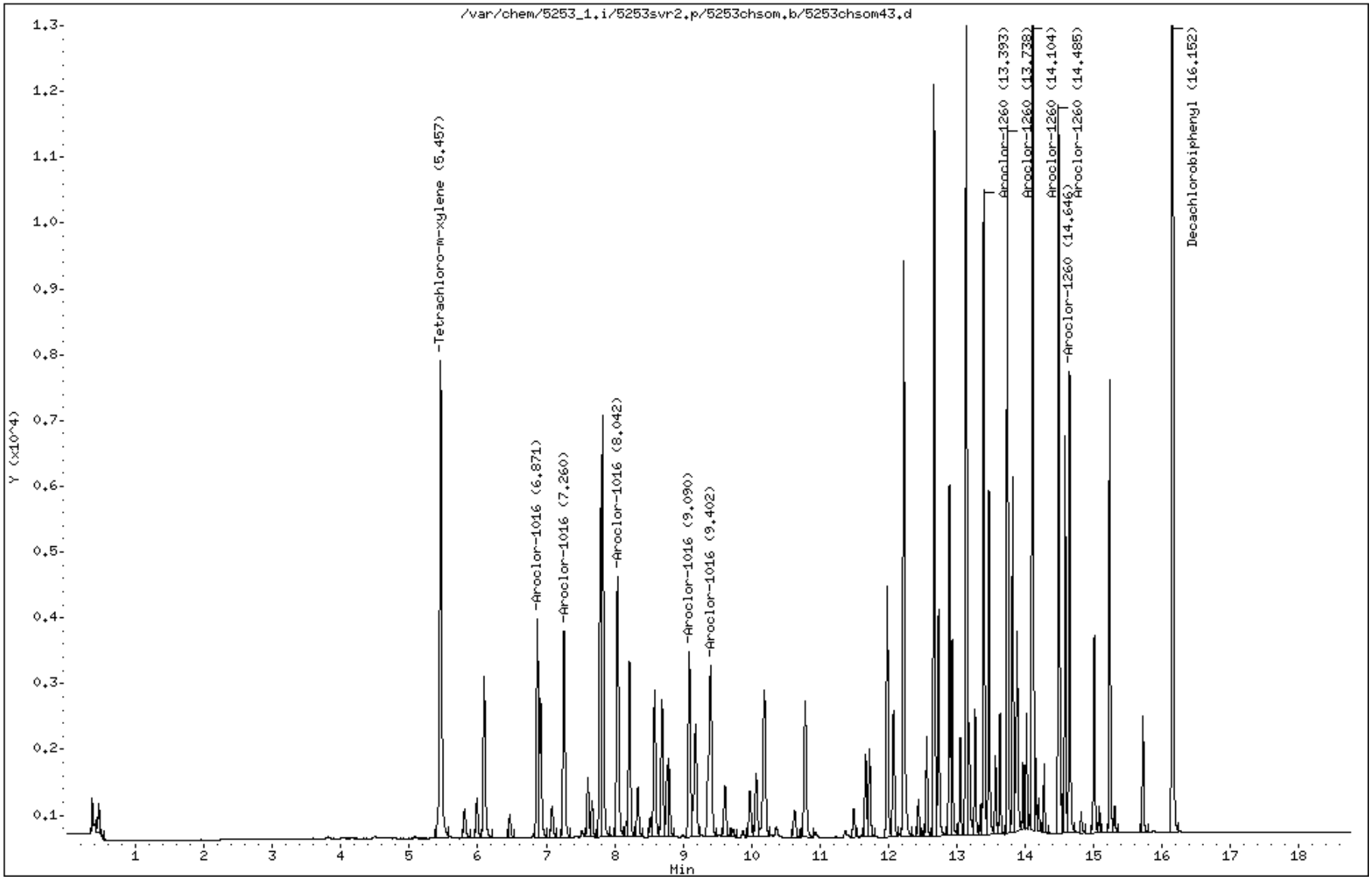
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	4241	0.02000	0.01963	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.700	7.700	0.000	1460	0.40000	0.3958	80.00- 120.00	100.00
8.732	8.731	0.001	2156	0.40000	0.3910	242.86- 282.86	147.67
9.807	9.809	-0.002	3522	0.40000	0.3918	231.90- 271.90	241.23
10.201	10.200	0.001	1893	0.40000	0.3944	98.24- 138.24	129.66
10.549	10.549	0.000	1456	0.40000	0.3892	94.08- 134.08	99.73
Average of Peak Amounts =					0.392		
8 Aroclor-1260					CAS #: 11096-82-5		
14.586	14.589	-0.003	5704	0.40000	0.3886	80.00- 120.00	100.00
15.236	15.239	-0.003	13237	0.40000	0.4000	92.64- 132.64	232.07
15.773	15.771	0.002	2818	0.40000	0.3860	69.99- 109.99	49.40
16.568	16.569	-0.001	1189	0.40000	0.3972	115.64- 155.64	20.85
16.670	16.670	0.000	2789	0.40000	0.4014	57.50- 97.50	48.90
Average of Peak Amounts =					0.395		

Data File: 5253chsom42.d
Report Date: 14-Aug-2013 16:21

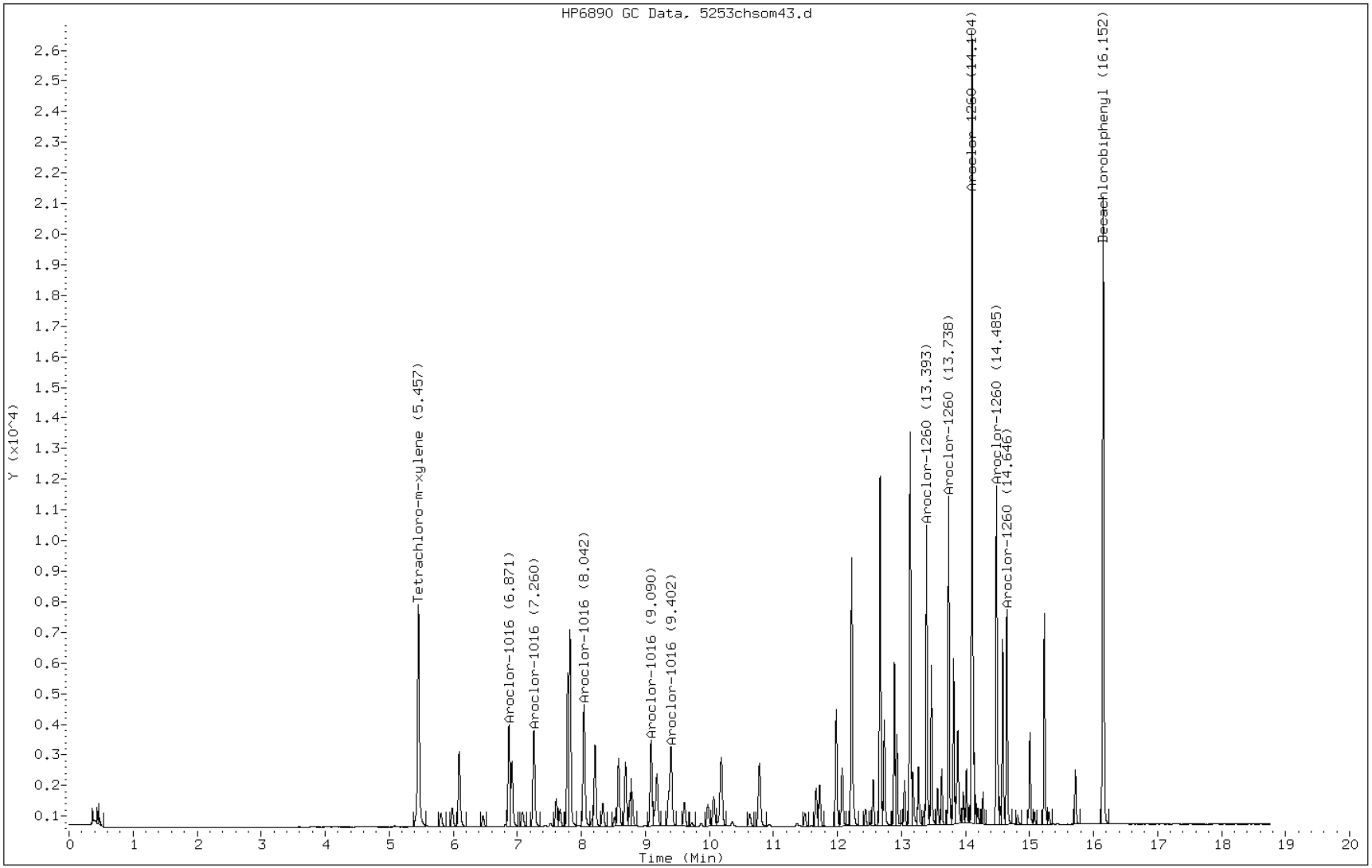
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	7119	0.04000	0.03940	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom43.d
Date : 14-AUG-2013 07:12
Client ID: AR16604S1
Instrument: 5253_1.i
Sample Info: IC-491992,1,AR16604S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom43.d
Client ID: AR16604S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-491992,1,AR16604S1

Date: 14-AUG-2013 07:12
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom43.d
Lab Smp Id: IC-491992 Client Smp ID: AR16604S1
Inj Date : 14-AUG-2013 07:12
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491992,1,AR16604S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 43 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.457	5.458	-0.001	7240	0.04000	0.04143	80.00- 120.00	100.00
5 Aroclor-1016						CAS #: 12674-11-2	
6.871	6.870	0.001	3314	0.80000	0.7472	80.00- 120.00	100.00
7.260	7.260	0.000	3139	0.80000	0.7596	242.86- 282.86	94.72
8.042	8.041	0.001	3951	0.80000	0.7703	231.90- 271.90	119.22
9.090	9.090	0.000	2809	0.80000	0.7602	98.24- 138.24	84.76
9.402	9.401	0.001	2597	0.80000	0.7731	94.08- 134.08	78.36
Average of Peak Amounts =					0.762		
8 Aroclor-1260						CAS #: 11096-82-5	
13.393	13.391	0.002	9804	0.80000	0.8268	80.00- 120.00	100.00(M)
13.738	13.739	-0.001	10727	0.80000	0.8119	92.64- 132.64	109.41
14.104	14.104	0.000	25856	0.80000	0.8537	69.99- 109.99	263.73
14.485	14.488	-0.003	11072	0.80000	0.8293	115.64- 155.64	112.93
14.646	14.649	-0.003	7013	0.80000	0.7953	57.50- 97.50	71.53
Average of Peak Amounts =					0.823		

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	20480	0.08000	0.08096	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

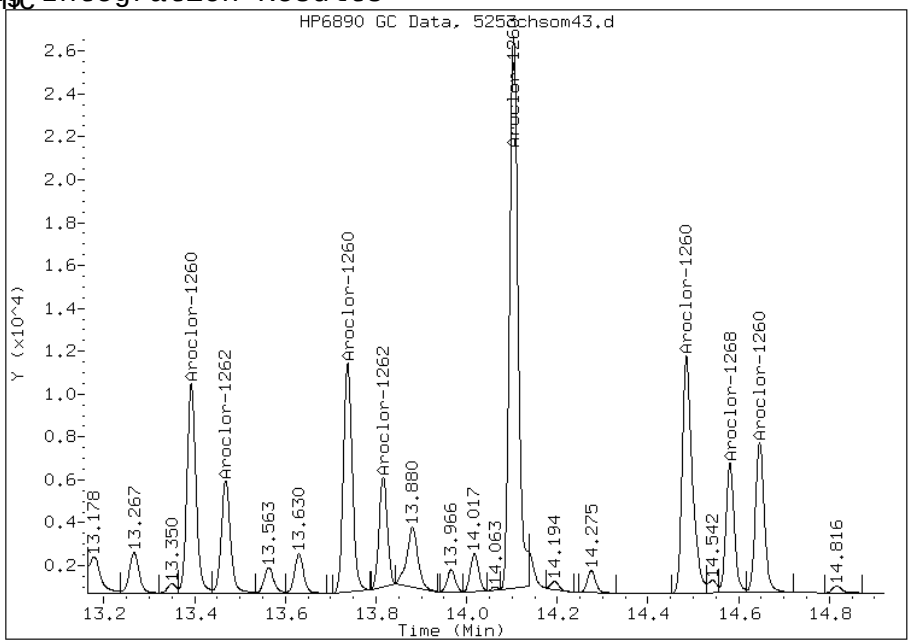
Manual Integration Report

Data File: 5253chsom43.d
Lab Sample ID: IC-491992
Inj. Date and Time: 14-AUG-2013 07:12
Instrument ID: 5253_1.i
Client ID: AR16604S1
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
13.39	9804	0.83
13.74	10676*	0.81
14.10	25676*	0.85
14.49	11074*	0.83
14.65	6996*	0.79

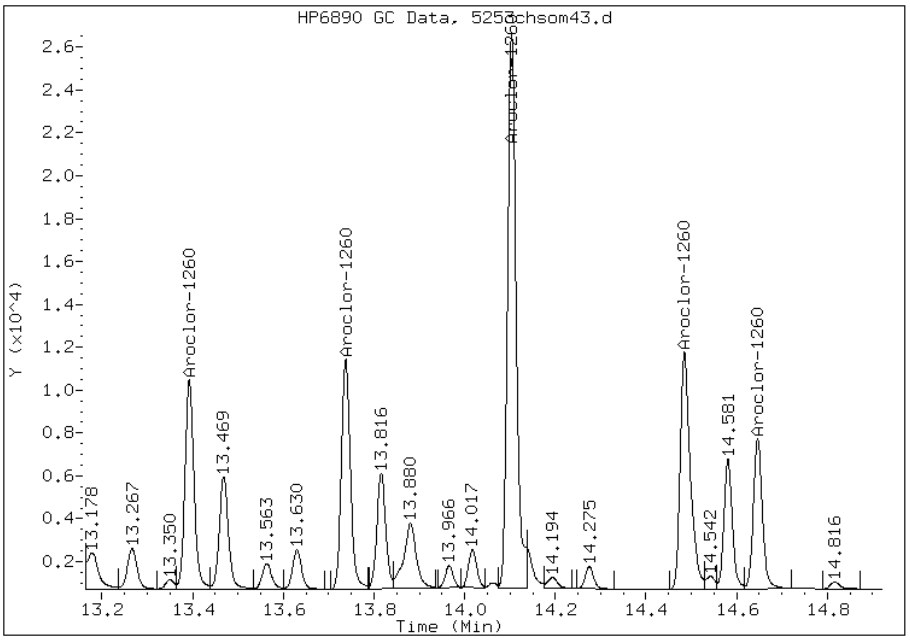
Final Conc		0.82



Manual Integration Results

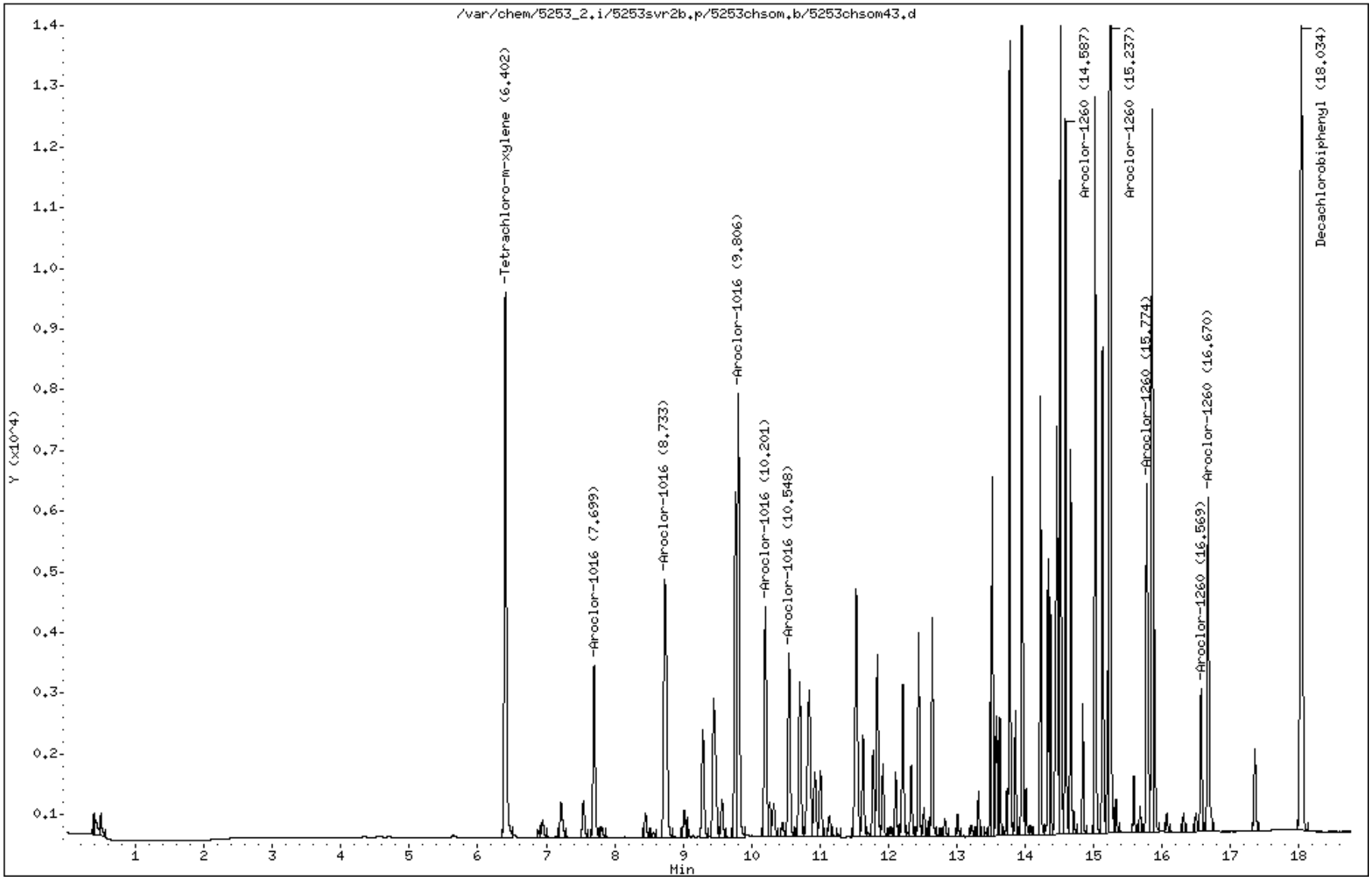
RT	Response	Conc
13.39	9804	0.83
13.74	10727*	0.81
14.10	25856*	0.85
14.49	11072*	0.83
14.65	7013*	0.80

Final Conc		0.82



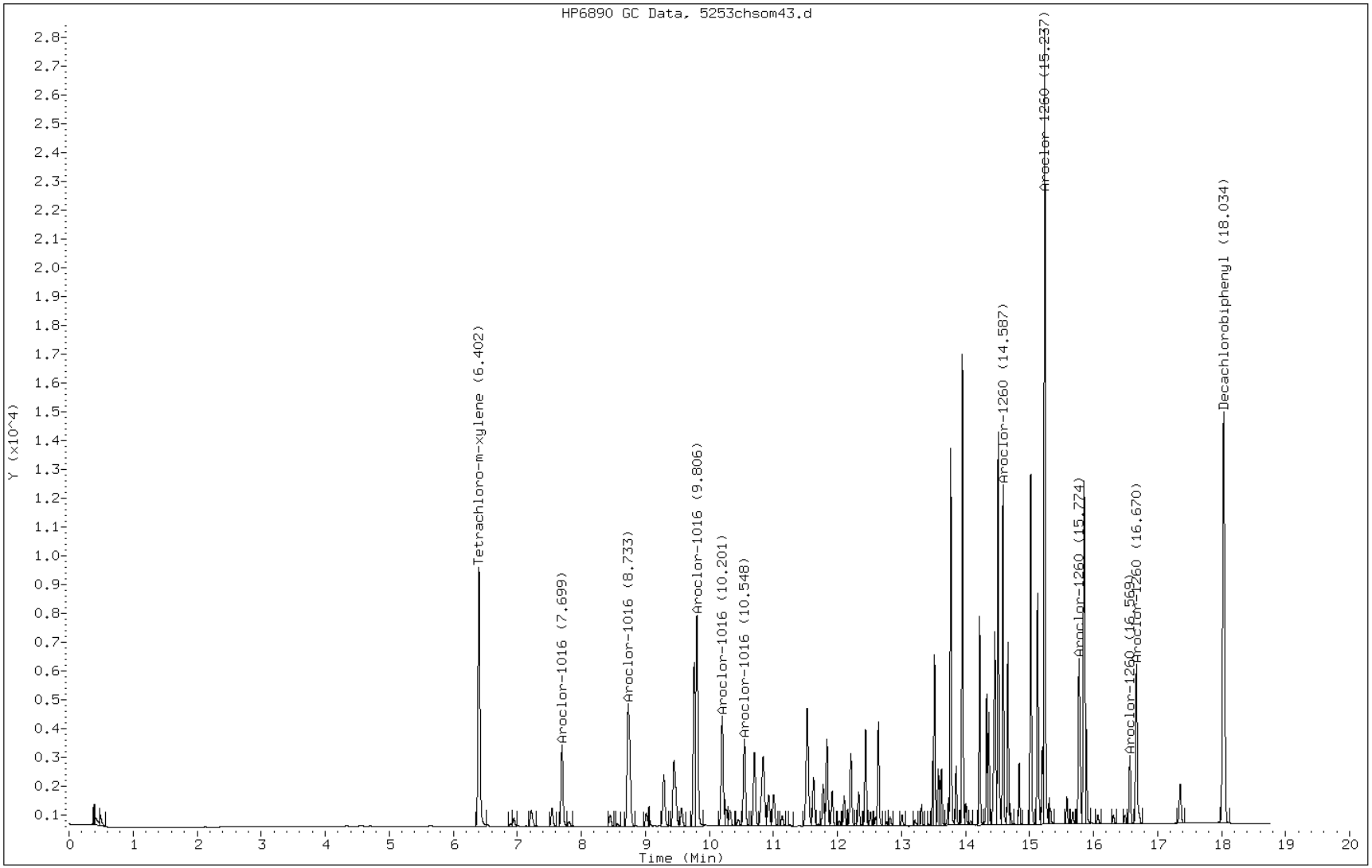
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom43.d
Date : 14-AUG-2013 07:12
Client ID: AR16604S1
Instrument: 5253_2.i
Sample Info: IC-491992,1,AR16604S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom43.d
Client ID: AR16604S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491992,1,AR16604S1

Date: 14-AUG-2013 07:12
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom43.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom43.d
Lab Smp Id: IC-491992 Client Smp ID: AR16604S1
Inj Date : 14-AUG-2013 07:12
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491992,1,AR16604S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:12 Cal File: 5253chsom43.d
Als bottle: 43 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	8984	0.04000	0.04158	80.00- 120.00	100.00(M)
5 Aroclor-1016					CAS #: 12674-11-2		
7.699	7.700	-0.001	2825	0.80000	0.7659	80.00- 120.00	100.00(M)
8.733	8.731	0.002	4262	0.80000	0.7729	242.86- 282.86	150.87
9.806	9.809	-0.003	7313	0.80000	0.8134	231.90- 271.90	258.87
10.201	10.200	0.001	3801	0.80000	0.7919	98.24- 138.24	134.55
10.548	10.549	-0.001	3012	0.80000	0.8051	94.08- 134.08	106.62
Average of Peak Amounts =					0.79		
8 Aroclor-1260					CAS #: 11096-82-5		
14.587	14.589	-0.002	11784	0.80000	0.8028	80.00- 120.00	100.00(M)
15.237	15.239	-0.002	27576	0.80000	0.8333	92.64- 132.64	234.01
15.774	15.771	0.003	5743	0.80000	0.7866	69.99- 109.99	48.74
16.569	16.569	0.000	2348	0.80000	0.7844	115.64- 155.64	19.93
16.670	16.670	0.000	5512	0.80000	0.7933	57.50- 97.50	46.78
Average of Peak Amounts =					0.8		

Data File: 5253chsom43.d
Report Date: 14-Aug-2013 16:21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	14277	0.08000	0.07901	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Manual Integration Report

Data File: 5253chsom43.d
Lab Sample ID: IC-491992
Inj. Date and Time: 14-AUG-2013 07:12
Instrument ID: 5253_2.i
Client ID: AR16604S1
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 08/14/2013

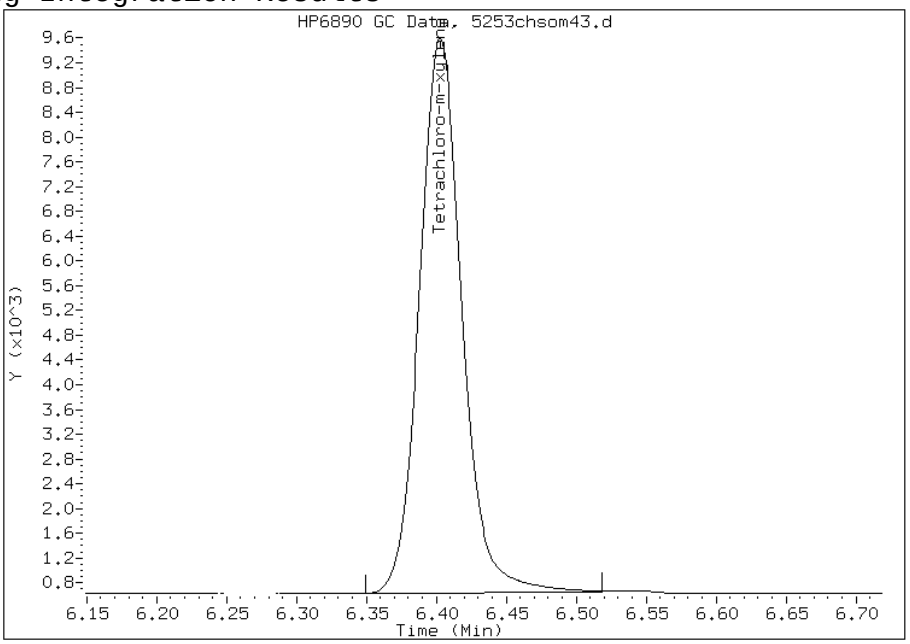
Processing Integration Results

RT: 6.40

Response: 8973

Amount: 0.041532

Conc: 0.041530



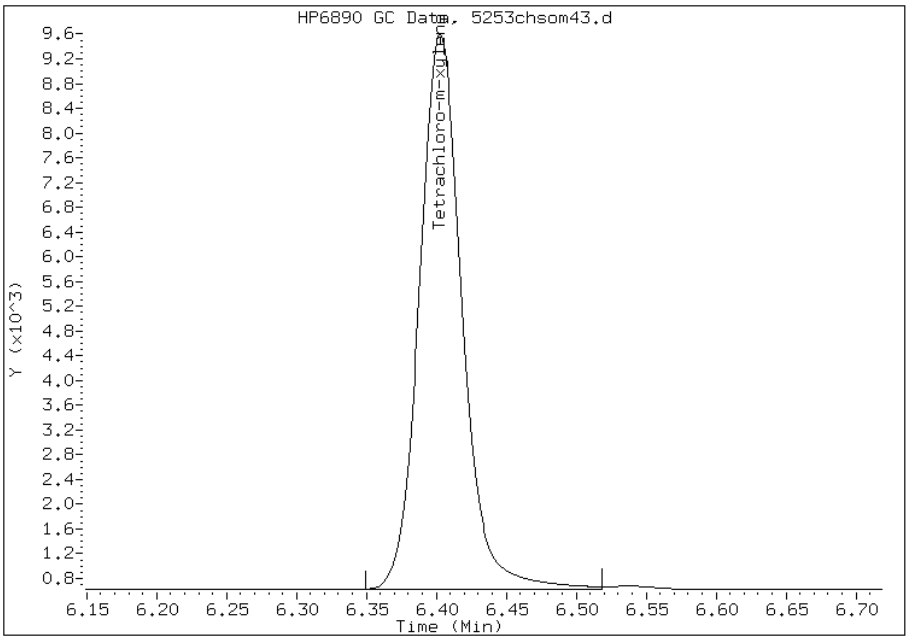
Manual Integration Results

RT: 6.40

Response: 8984

Amount: 0.041582

Conc: 0.041580



File Uploaded By: jsw
Manual Integration Reason: Baseline event

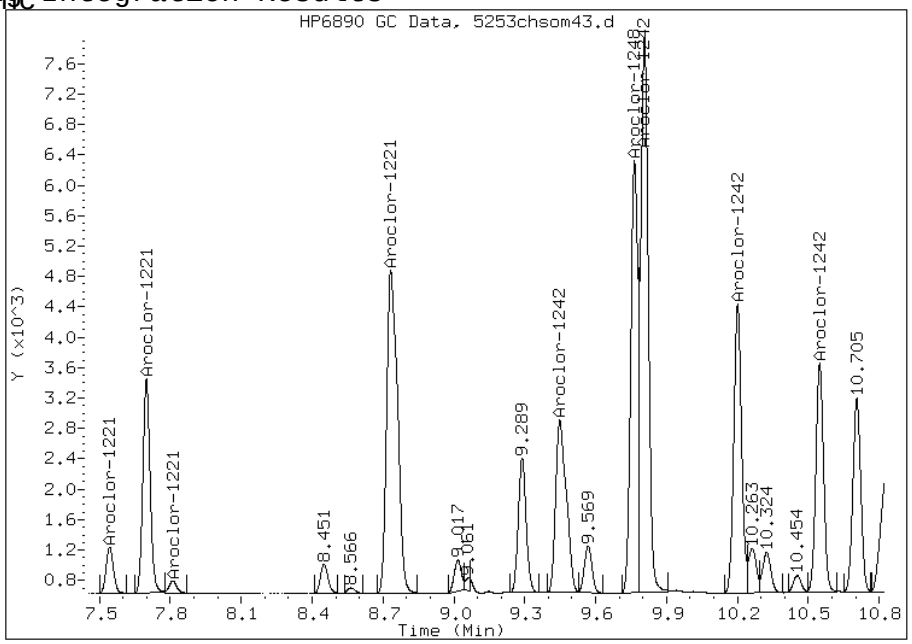
Manual Integration Report

Data File: 5253chsom43.d
Lab Sample ID: IC-491992
Inj. Date and Time: 14-AUG-2013 07:12
Instrument ID: 5253_2.i
Client ID: AR16604S1
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
7.70	2816*	0.76
8.73	4256*	0.77
9.81	7297*	0.81
10.20	3799*	0.79
10.55	3004*	0.80

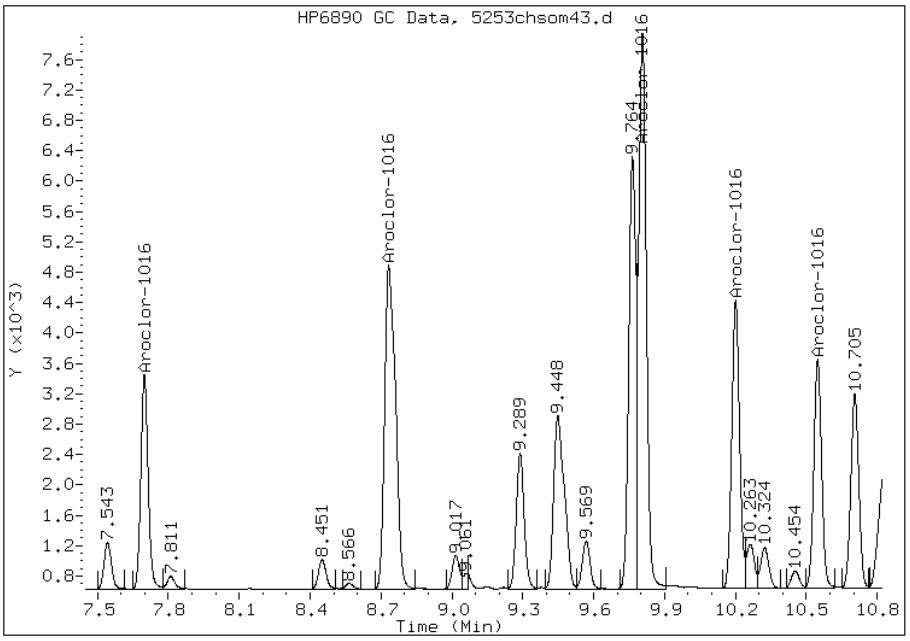
Final Conc		0.79



Manual Integration Results

RT	Response	Conc
7.70	2825*	0.77
8.73	4262*	0.77
9.81	7313*	0.81
10.20	3801*	0.79
10.55	3012*	0.81

Final Conc		0.79



File Uploaded By: jsw
Manual Integration Reason: Baseline event

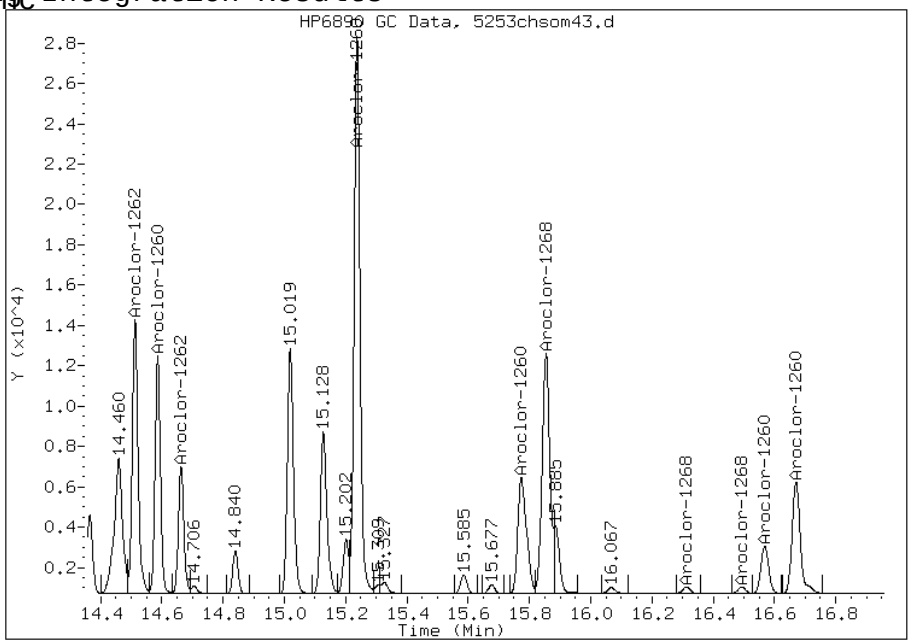
Manual Integration Report

Data File: 5253chsom43.d
Lab Sample ID: IC-491992
Inj. Date and Time: 14-AUG-2013 07:12
Instrument ID: 5253_2.i
Client ID: AR16604S1
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
14.59	11747*	0.80
15.24	27561*	0.83
15.77	5738*	0.79
16.57	2348	0.78
16.67	5512	0.79

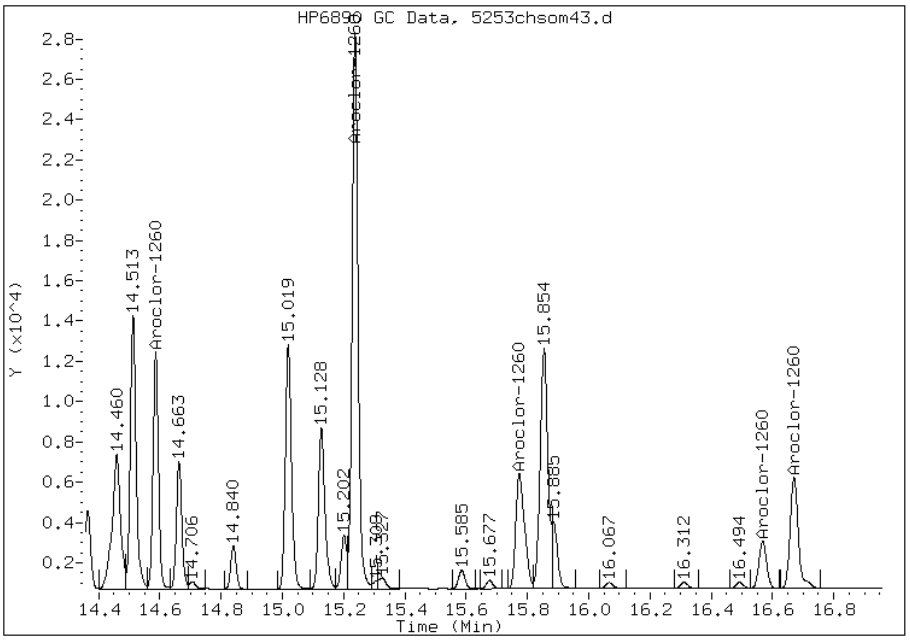
Final Conc		0.80



Manual Integration Results

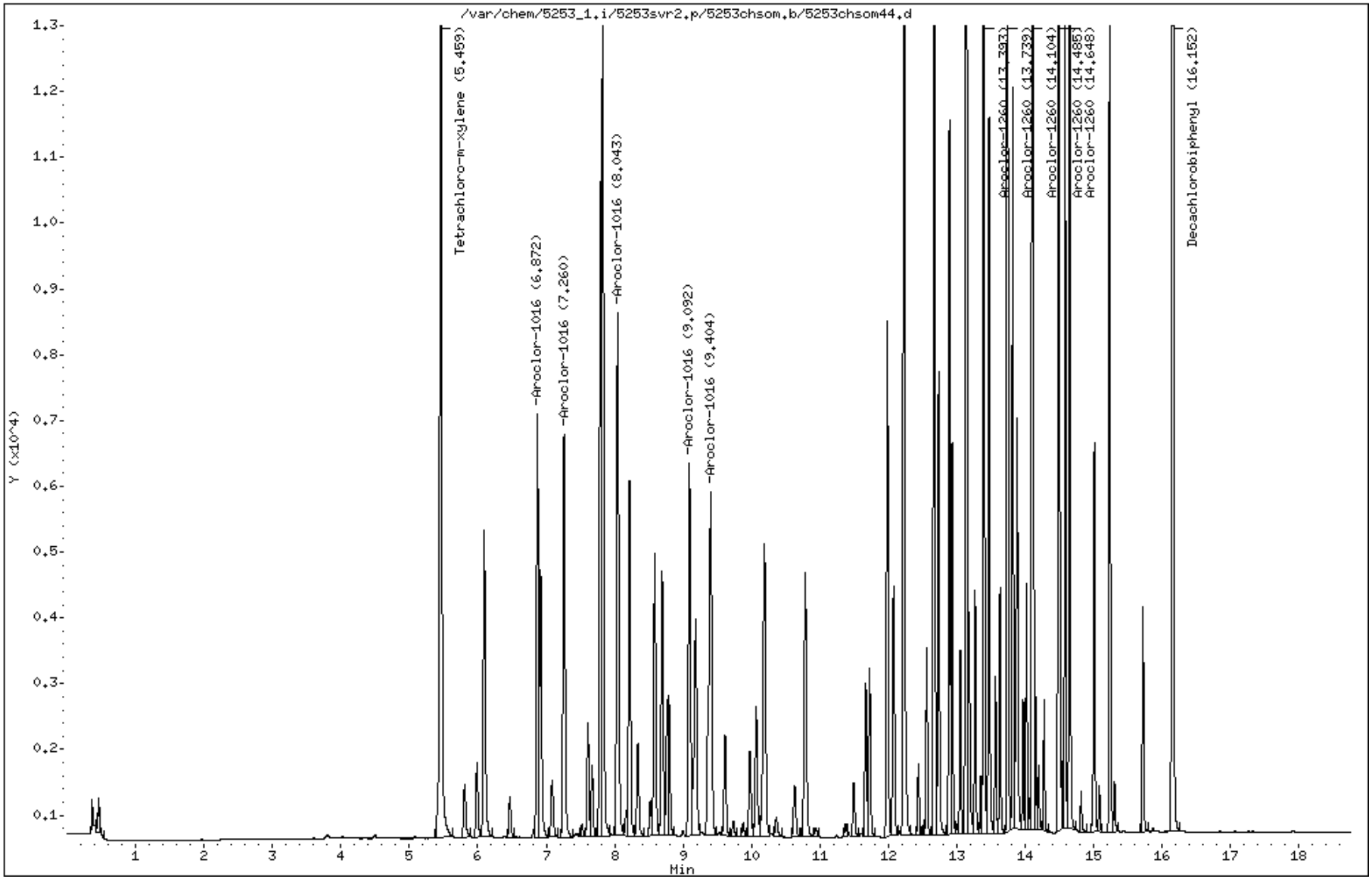
RT	Response	Conc
14.59	11784*	0.80
15.24	27576*	0.83
15.77	5743*	0.79
16.57	2348	0.78
16.67	5512	0.79

Final Conc		0.80



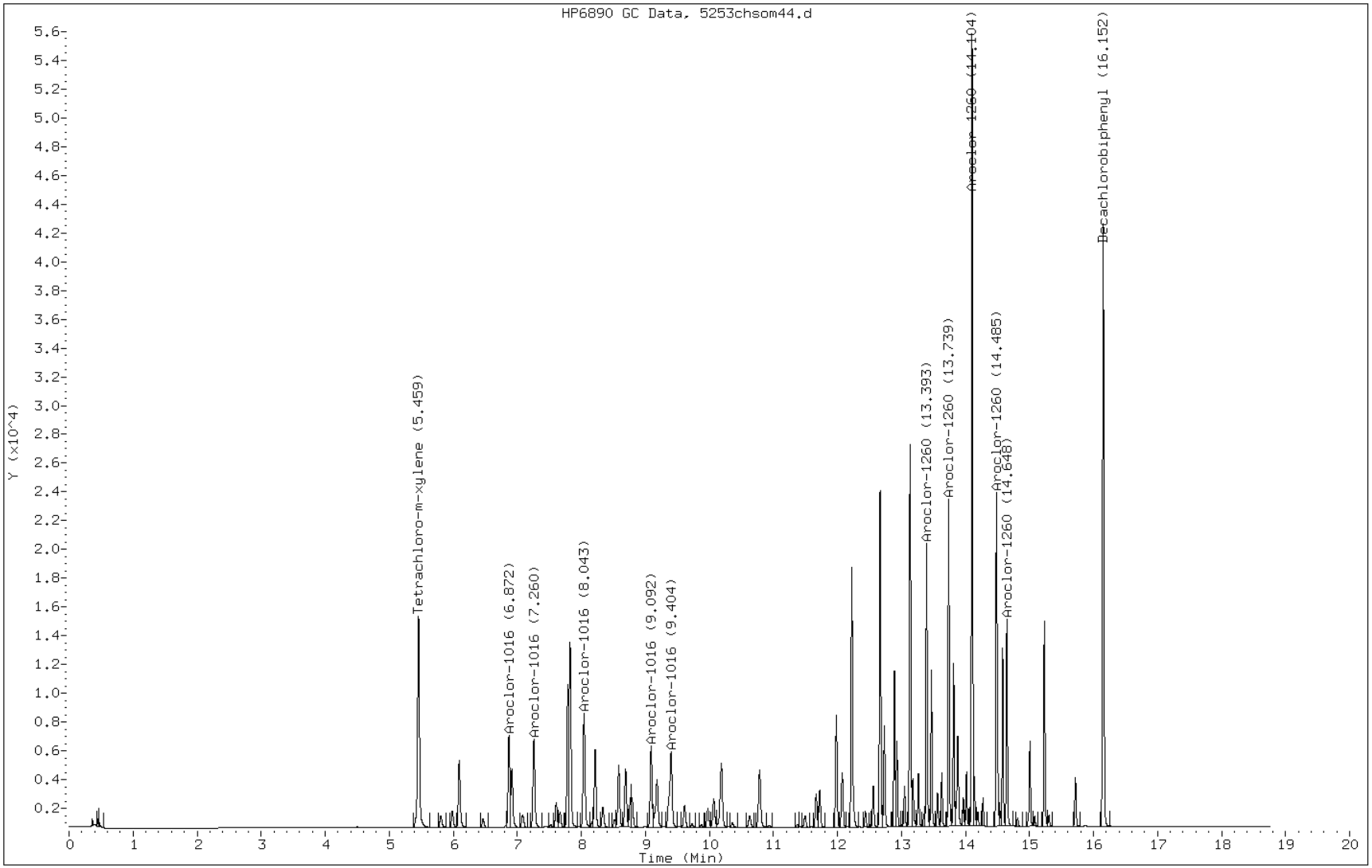
File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom44.d
Date : 14-AUG-2013 07:37
Client ID: AR16605S1
Instrument: 5253_1.i
Sample Info: IC-491867,1,AR16605S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chsom44.d
Client ID: AR16605S1
Operator: MMS
Column Type:
Stationary Phase: RTX-5
Sample Info: IC-491867,1,AR16605S1

Date: 14-AUG-2013 07:37
Instrument: 5253_1.i
Inj Vol: 1.0
Diameter: 0.2



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom44.d
Lab Smp Id: IC-491867 Client Smp ID: AR16605S1
Inj Date : 14-AUG-2013 07:37
Operator : MMS Inst ID: 5253_1.i
Smp Info : IC-491867,1,AR16605S1
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 44 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

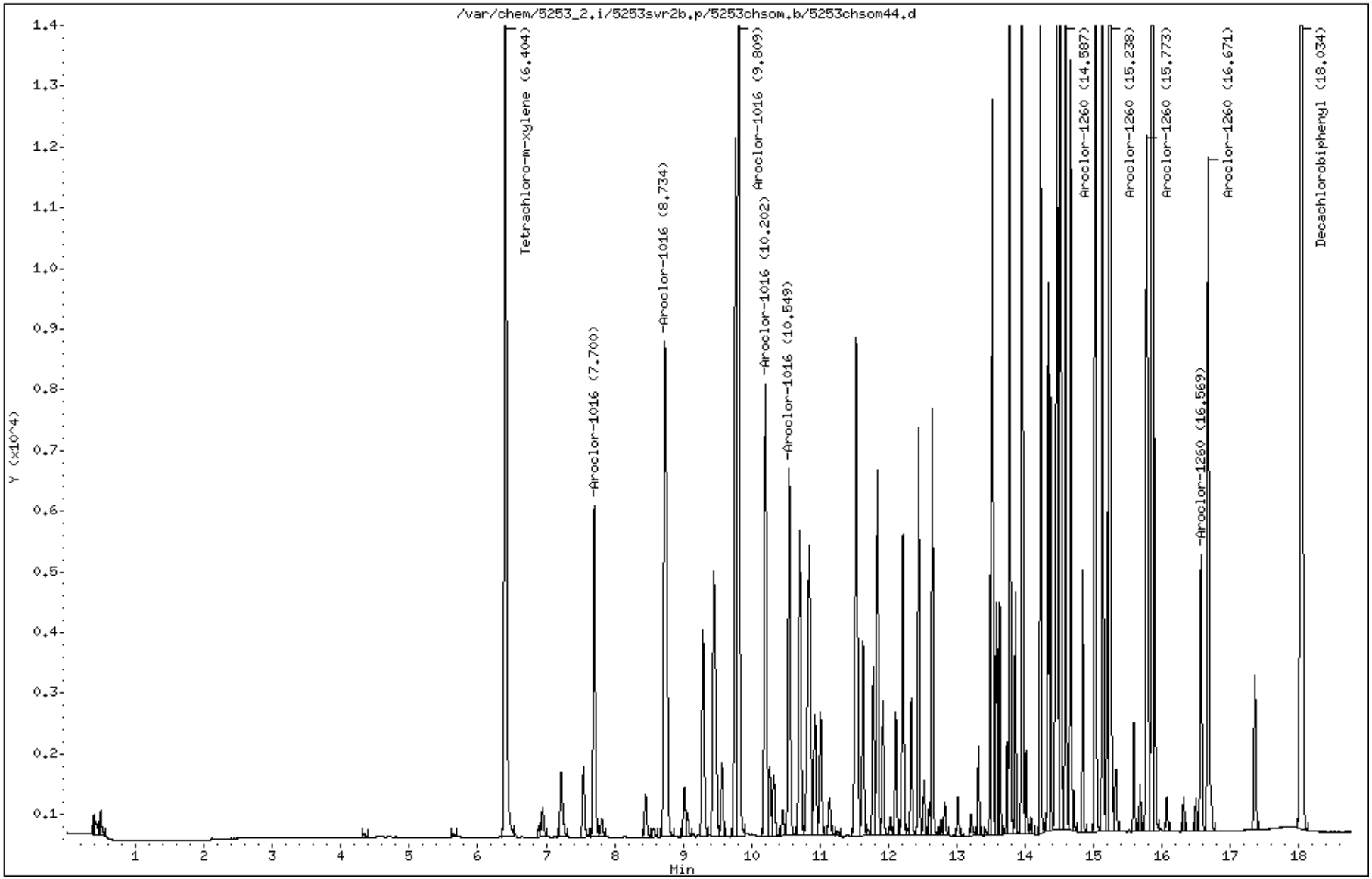
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.459	5.458	0.001	14689	0.08000	0.08407	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
6.872	6.870	0.002	6442	1.60000	1.452	80.00- 120.00	100.00
7.260	7.260	0.000	6123	1.60000	1.482	242.86- 282.86	95.05
8.043	8.041	0.002	7940	1.60000	1.548	231.90- 271.90	123.25
9.092	9.090	0.002	5671	1.60000	1.535	98.24- 138.24	88.03
9.404	9.401	0.003	5217	1.60000	1.553	94.08- 134.08	80.98
Average of Peak Amounts =					1.51		
8 Aroclor-1260					CAS #: 11096-82-5		
13.393	13.391	0.002	19722	1.60000	1.663	80.00- 120.00	100.00(A)
13.739	13.739	0.000	22728	1.60000	1.720	92.64- 132.64	115.24
14.104	14.104	0.000	55086	1.60000	1.819	69.99- 109.99	279.31
14.485	14.488	-0.003	23185	1.60000	1.737	115.64- 155.64	117.56
14.648	14.649	-0.001	14362	1.60000	1.629	57.50- 97.50	72.82
Average of Peak Amounts =					1.71		

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	41912	0.16000	0.1657	80.00- 120.00	100.00

QC Flag Legend

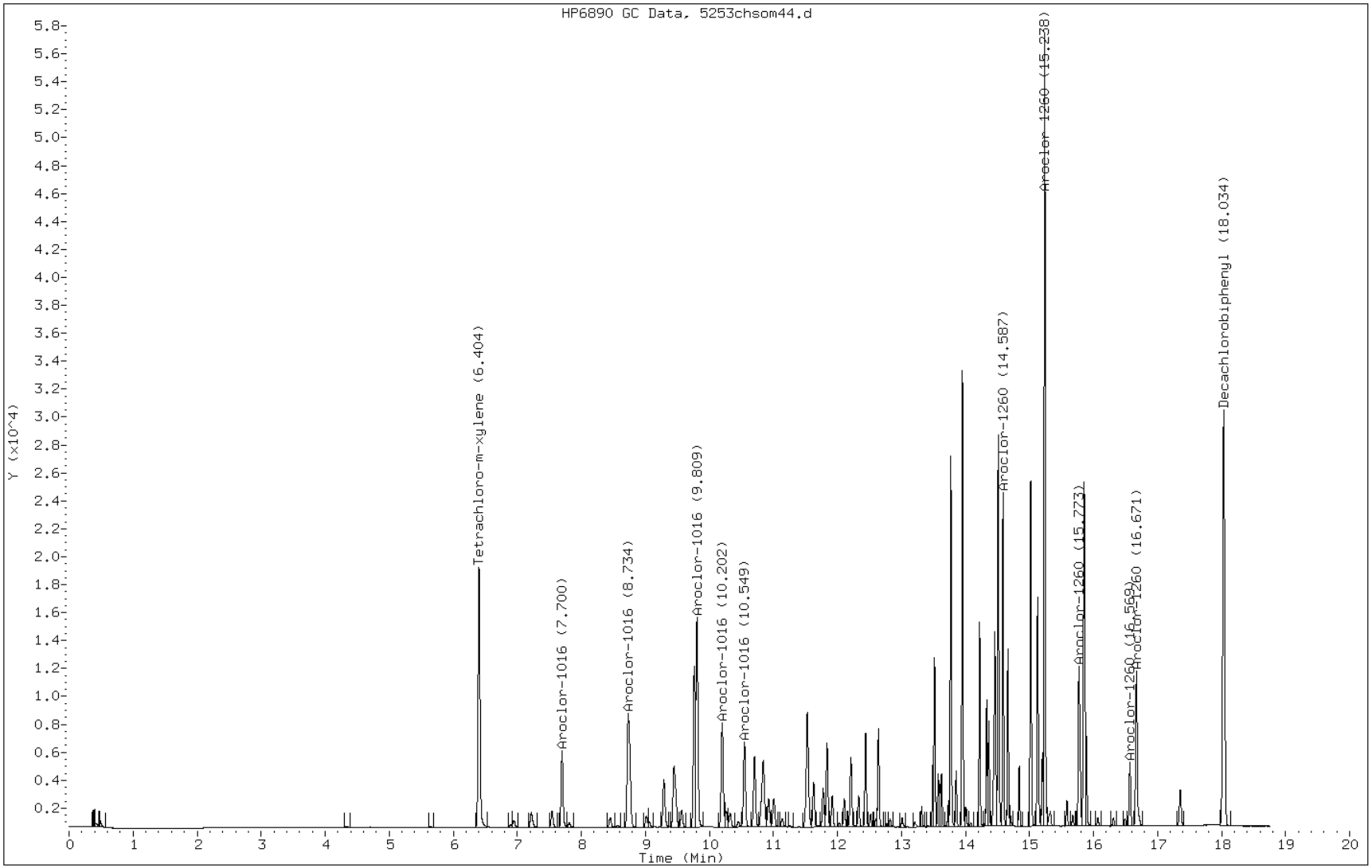
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom44.d
Date : 14-AUG-2013 07:37
Client ID: AR16605S1
Instrument: 5253_2.i
Sample Info: IC-491867,1,AR16605S1
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom44.d
Client ID: AR16605S1
Operator: MMS
Column Type:
Stationary Phase: RTX-35
Sample Info: IC-491867,1,AR16605S1

Date: 14-AUG-2013 07:37
Instrument: 5253_2.i
Inj Vol: 1.0
Diameter: 0.2



Data File: 5253chsom44.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom44.d
Lab Smp Id: IC-491867 Client Smp ID: AR16605S1
Inj Date : 14-AUG-2013 07:37
Operator : MMS Inst ID: 5253_2.i
Smp Info : IC-491867,1,AR16605S1
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 44 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	18617	0.08000	0.08617	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.700	7.700	0.000	5467	1.60000	1.482	80.00- 120.00	100.00
8.734	8.731	0.003	8156	1.60000	1.479	242.86- 282.86	149.19
9.809	9.809	0.000	14992	1.60000	1.668	231.90- 271.90	274.23
10.202	10.200	0.002	7459	1.60000	1.554	98.24- 138.24	136.44
10.549	10.549	0.000	6051	1.60000	1.617	94.08- 134.08	110.68
Average of Peak Amounts =					1.56		
8 Aroclor-1260					CAS #: 11096-82-5		
14.587	14.589	-0.002	23880	1.60000	1.627	80.00- 120.00	100.00(A)
15.238	15.239	-0.001	56795	1.60000	1.716	92.64- 132.64	237.84
15.773	15.771	0.002	11455	1.60000	1.569	69.99- 109.99	47.97
16.569	16.569	0.000	4550	1.60000	1.520	115.64- 155.64	19.05
16.671	16.670	0.001	11096	1.60000	1.597	57.50- 97.50	46.47
Average of Peak Amounts =					1.61		

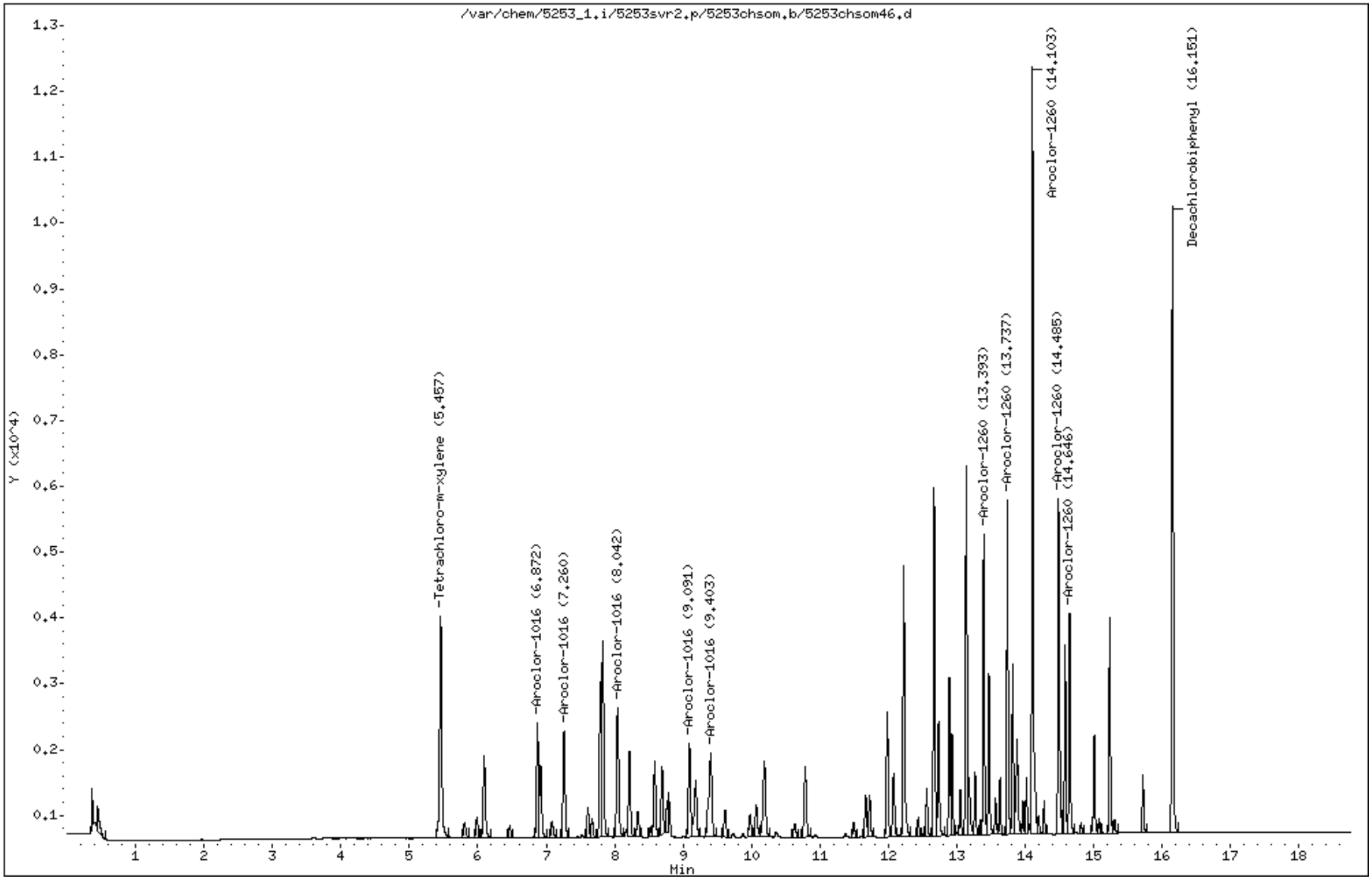
Data File: 5253chsom44.d
Report Date: 14-Aug-2013 16:21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	29721	0.16000	0.1645	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom46.d
Date : 14-AUG-2013 08:26
Client ID: AR16603S2
Instrument: 5253_1.i
Sample Info: CCV-540886,1,AR16603S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom46.d
Lab Smp Id: CCV-540886 Client Smp ID: AR16603S2
Inj Date : 14-AUG-2013 08:26
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCV-540886,1,AR16603S2
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 46 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

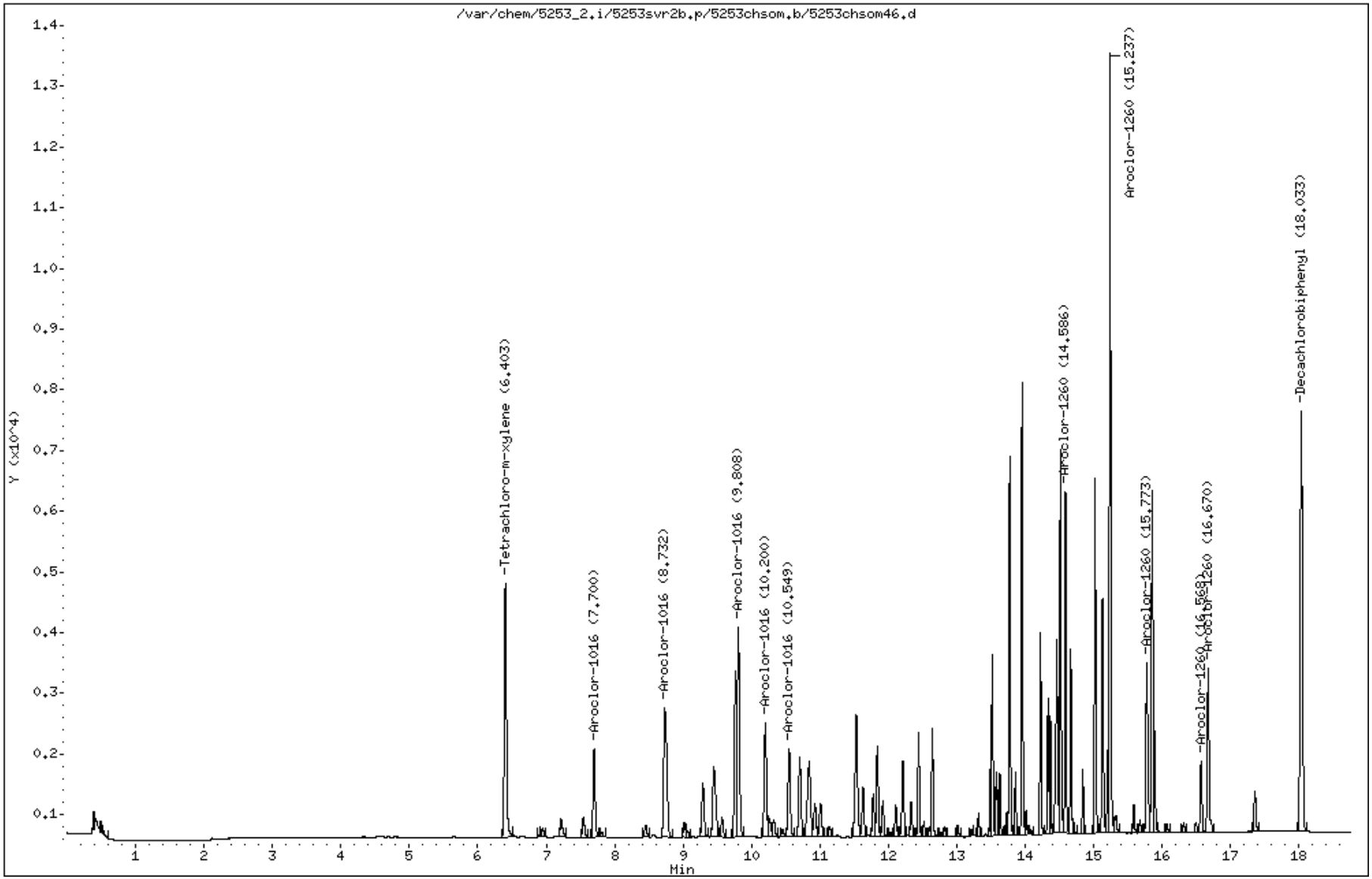
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.457	5.458	-0.001	3348	0.02000	0.01916	80.00- 120.00	100.00
5 Aroclor-1016						CAS #: 12674-11-2	
6.872	6.870	0.002	1729	0.40000	0.3898	80.00- 120.00	100.00
7.260	7.260	0.000	1612	0.40000	0.3901	242.86- 282.86	93.23
8.042	8.041	0.001	1962	0.40000	0.3825	231.90- 271.90	113.48
9.091	9.090	0.001	1429	0.40000	0.3867	98.24- 138.24	82.65
9.403	9.401	0.002	1279	0.40000	0.3807	94.08- 134.08	73.97
Average of Peak Amounts =					0.386		
8 Aroclor-1260						CAS #: 11096-82-5	
13.393	13.391	0.002	4564	0.40000	0.3849	80.00- 120.00	100.00
13.737	13.739	-0.002	5092	0.40000	0.3854	92.64- 132.64	111.57
14.103	14.104	-0.001	11669	0.40000	0.3853	69.99- 109.99	255.67
14.485	14.488	-0.003	5105	0.40000	0.3824	115.64- 155.64	111.85
14.646	14.649	-0.003	3351	0.40000	0.3800	57.50- 97.50	73.42
Average of Peak Amounts =					0.384		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	9512	0.04000	0.03760	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom46.d
Date : 14-AUG-2013 08:26
Client ID: AR16603S2
Instrument: 5253_2.i
Sample Info: CCV-540886,1,AR16603S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom46.d
Report Date: 14-Aug-2013 16:22

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom46.d
Lab Smp Id: CCV-540886 Client Smp ID: AR16603S2
Inj Date : 14-AUG-2013 08:26
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCV-540886,1,AR16603S2
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 46 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

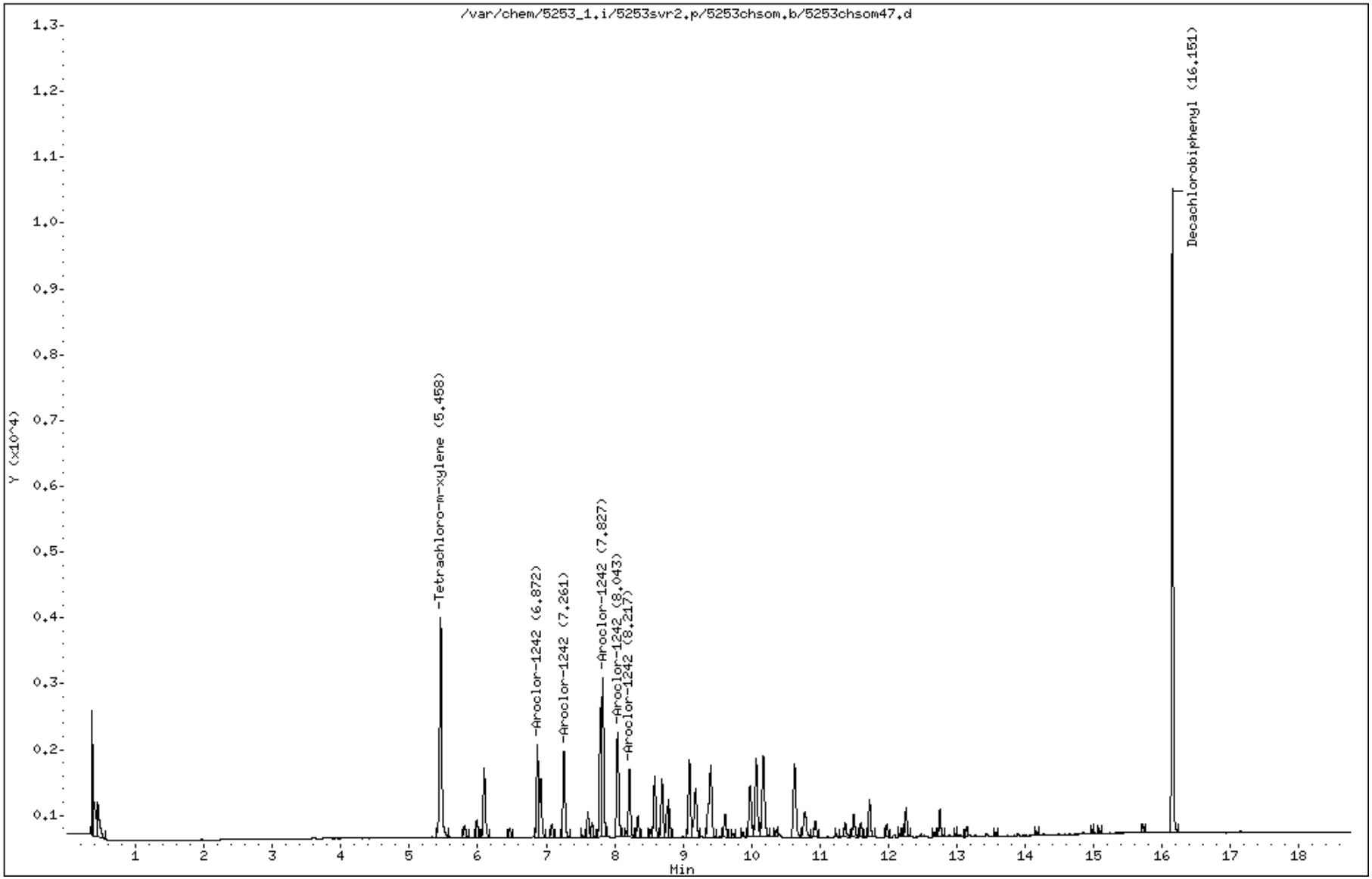
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4183	0.02000	0.01936	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.700	7.700	0.000	1441	0.40000	0.3907	80.00- 120.00	100.00
8.732	8.731	0.001	2123	0.40000	0.3850	242.86- 282.86	147.33
9.808	9.809	-0.001	3462	0.40000	0.3851	231.90- 271.90	240.25
10.200	10.200	0.000	1870	0.40000	0.3896	98.24- 138.24	129.77
10.549	10.549	0.000	1451	0.40000	0.3878	94.08- 134.08	100.69
Average of Peak Amounts =					0.388		
8 Aroclor-1260					CAS #: 11096-82-5		
14.586	14.589	-0.003	5614	0.40000	0.3825	80.00- 120.00	100.00
15.237	15.239	-0.002	12847	0.40000	0.3882	92.64- 132.64	228.84
15.773	15.771	0.002	2793	0.40000	0.3826	69.99- 109.99	49.75
16.568	16.569	-0.001	1168	0.40000	0.3902	115.64- 155.64	20.81
16.670	16.670	0.000	2711	0.40000	0.3902	57.50- 97.50	48.29
Average of Peak Amounts =					0.387		

Data File: 5253chsom46.d
Report Date: 14-Aug-2013 16:22

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.033	18.032	0.001	6915	0.04000	0.03827	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom47.d
Date : 14-AUG-2013 08:51
Client ID: AR12423S2
Instrument: 5253_1.i
Sample Info: CCV-540888,1,AR12423S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

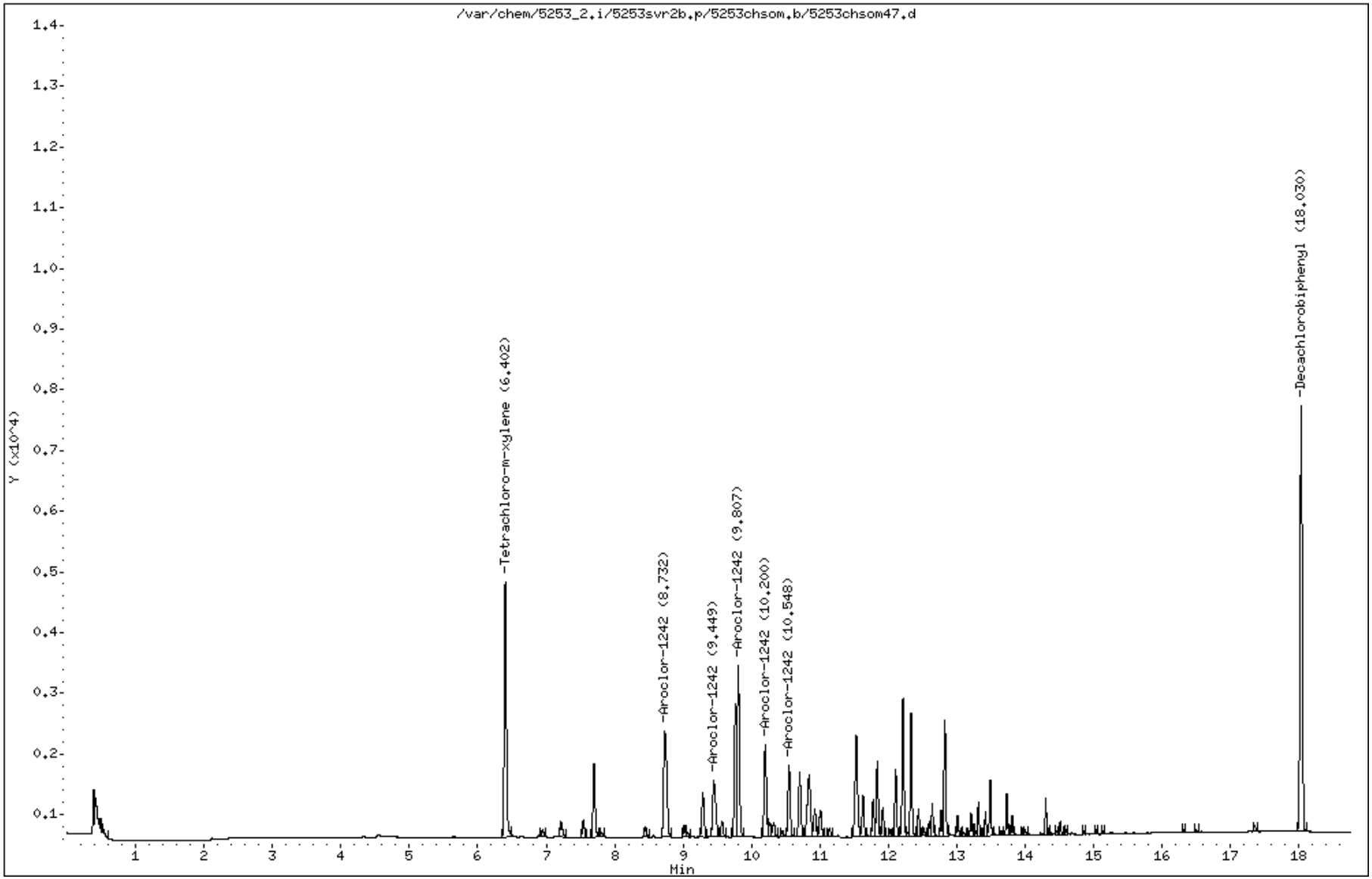
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom47.d
Lab Smp Id: CCV-540888 Client Smp ID: AR12423S2
Inj Date : 14-AUG-2013 08:51
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCV-540888,1,AR12423S2
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 47 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3346	0.02000	0.01915	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
6.872	6.871	0.001	1408	0.40000	0.3931	80.00- 120.00	100.00
7.261	7.260	0.001	1314	0.40000	0.3998	76.75- 116.75	93.32
7.827	7.827	0.000	2419	0.40000	0.3952	25.18- 65.18	171.80
8.043	8.041	0.002	1595	0.40000	0.3947	28.37- 68.37	113.28
8.217	8.219	-0.002	1030	0.40000	0.3932	25.12- 65.12	73.15
Average of Peak Amounts =					0.395		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	9789	0.04000	0.03870	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom47.d
Date : 14-AUG-2013 08:51
Client ID: AR12423S2
Instrument: 5253_2.i
Sample Info: CCV-540888,1,AR12423S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom47.d
Report Date: 14-Aug-2013 16:22

TestAmerica Burlington

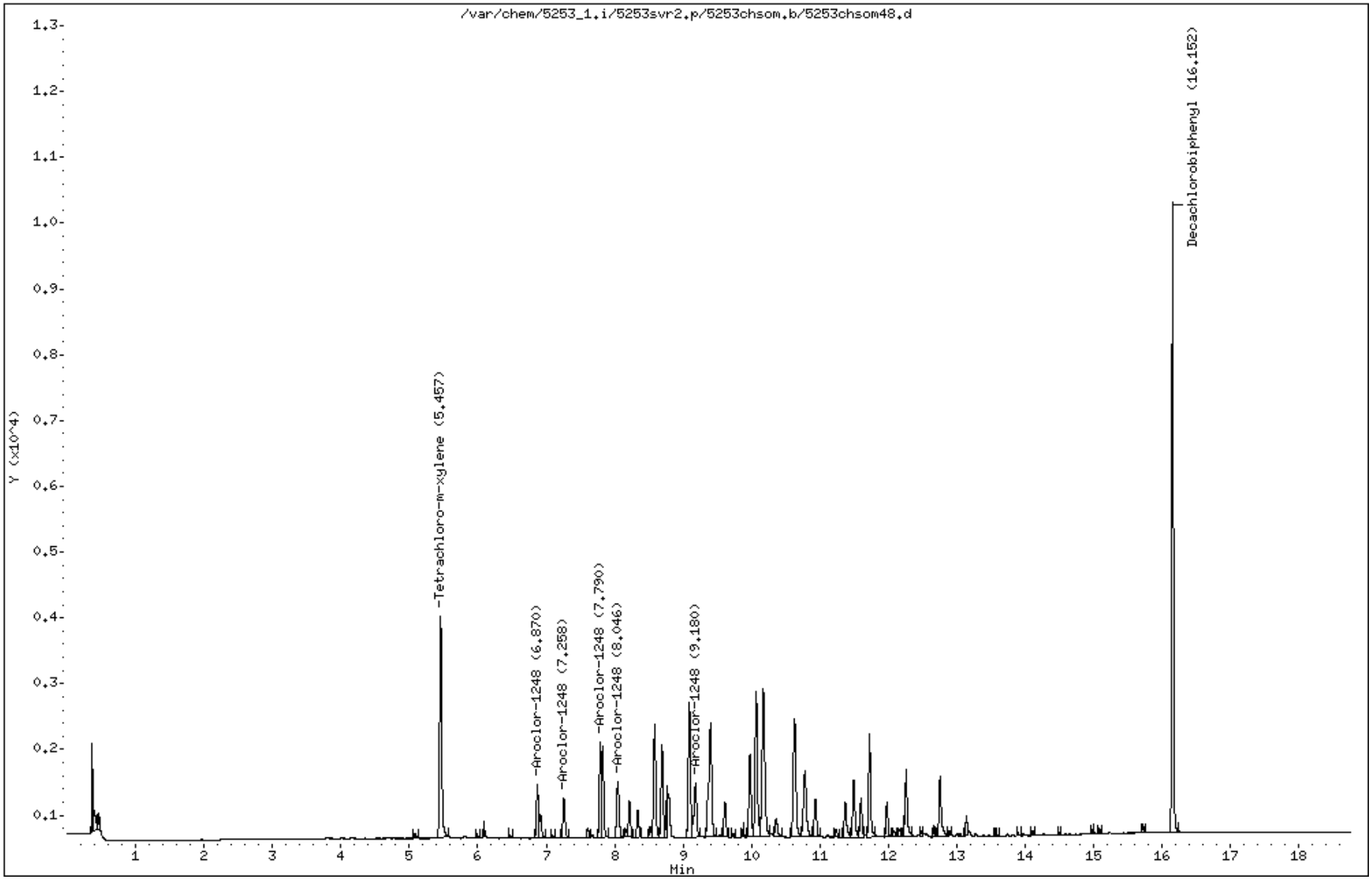
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom47.d
Lab Smp Id: CCV-540888 Client Smp ID: AR12423S2
Inj Date : 14-AUG-2013 08:51
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCV-540888,1,AR12423S2
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:22 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 47 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	4195	0.02000	0.01942	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
8.732	8.731	0.001	1748	0.40000	0.3893	80.00- 120.00	100.00
9.449	9.449	0.000	938	0.40000	0.3864	76.75- 116.75	53.66
9.807	9.809	-0.002	2812	0.40000	0.3920	25.18- 65.18	160.87
10.200	10.201	-0.001	1521	0.40000	0.3891	28.37- 68.37	87.01
10.548	10.549	-0.001	1170	0.40000	0.3892	25.12- 65.12	66.93
Average of Peak Amounts =					0.389		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.030	18.032	-0.002	6997	0.04000	0.03872	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom48.d
Date : 14-AUG-2013 09:15
Client ID: AR12483S2
Instrument: 5253_1.i
Sample Info: CCV-540889,1,AR12483S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

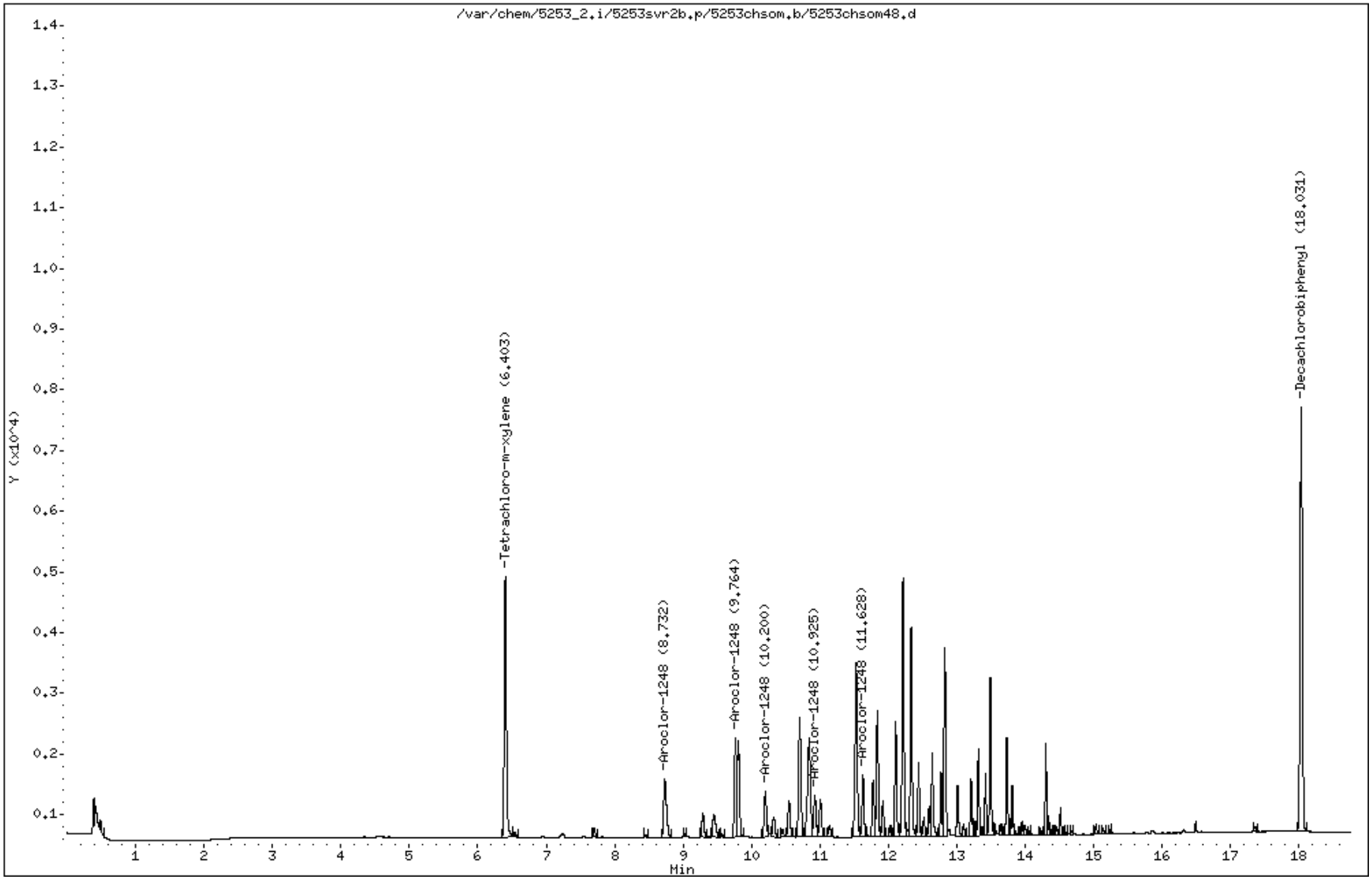
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom48.d
Lab Smp Id: CCV-540889 Client Smp ID: AR12483S2
Inj Date : 14-AUG-2013 09:15
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCV-540889,1,AR12483S2
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	3365	0.02000	0.01926	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
6.870	6.870	0.000	815	0.40000	0.3926	80.00- 120.00	100.00
7.258	7.260	-0.002	594	0.40000	0.3928	76.66- 116.66	72.88
7.790	7.790	0.000	1446	0.40000	0.3944	78.35- 118.35	177.42
8.046	8.046	0.000	848	0.40000	0.3918	83.94- 123.94	104.05
9.180	9.181	-0.001	826	0.40000	0.3888	53.70- 93.70	101.35
Average of Peak Amounts =					0.392		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	9583	0.04000	0.03788	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom48.d
Date : 14-AUG-2013 09:15
Client ID: AR12483S2
Instrument: 5253_2.i
Sample Info: CCV-540889,1,AR12483S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom48.d
Report Date: 14-Aug-2013 16:22

TestAmerica Burlington

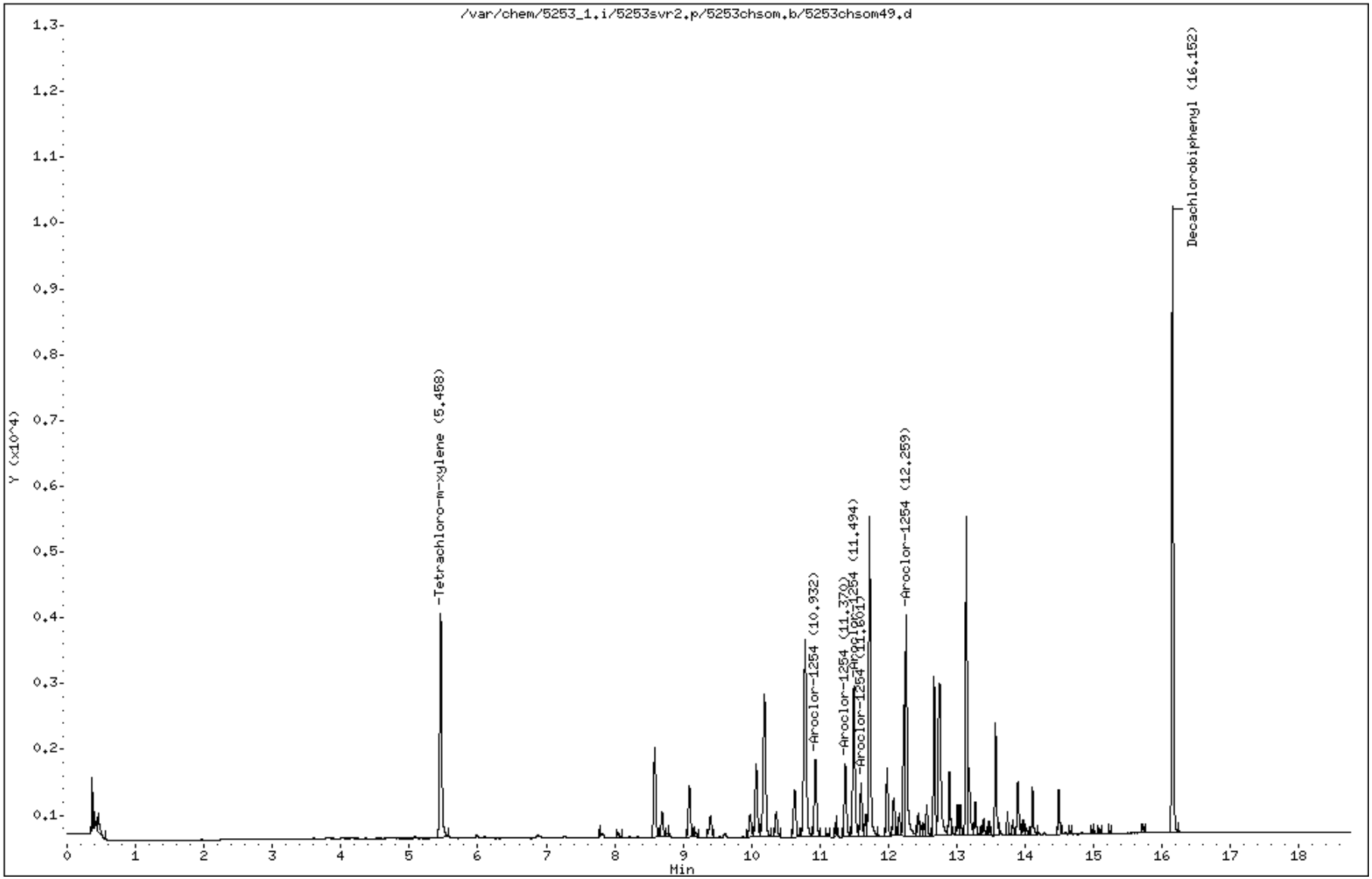
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom48.d
Lab Smp Id: CCV-540889 Client Smp ID: AR12483S2
Inj Date : 14-AUG-2013 09:15
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCV-540889,1,AR12483S2
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:22 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	4300	0.02000	0.01990	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.732	8.731	0.001	955	0.40000	0.3931	80.00- 120.00	100.00
9.764	9.763	0.001	1638	0.40000	0.3925	76.66- 116.66	171.52
10.200	10.200	0.000	740	0.40000	0.3826	78.35- 118.35	77.49
10.925	10.925	0.000	688	0.40000	0.3923	83.94- 123.94	72.04
11.628	11.630	-0.002	1002	0.40000	0.3909	53.70- 93.70	104.92
Average of Peak Amounts =					0.39		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	6984	0.04000	0.03865	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom49.d
Date : 14-AUG-2013 09:40
Client ID: AR12543S2
Instrument: 5253_1.i
Sample Info: CCV-540885,1,AR12543S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



TestAmerica Burlington

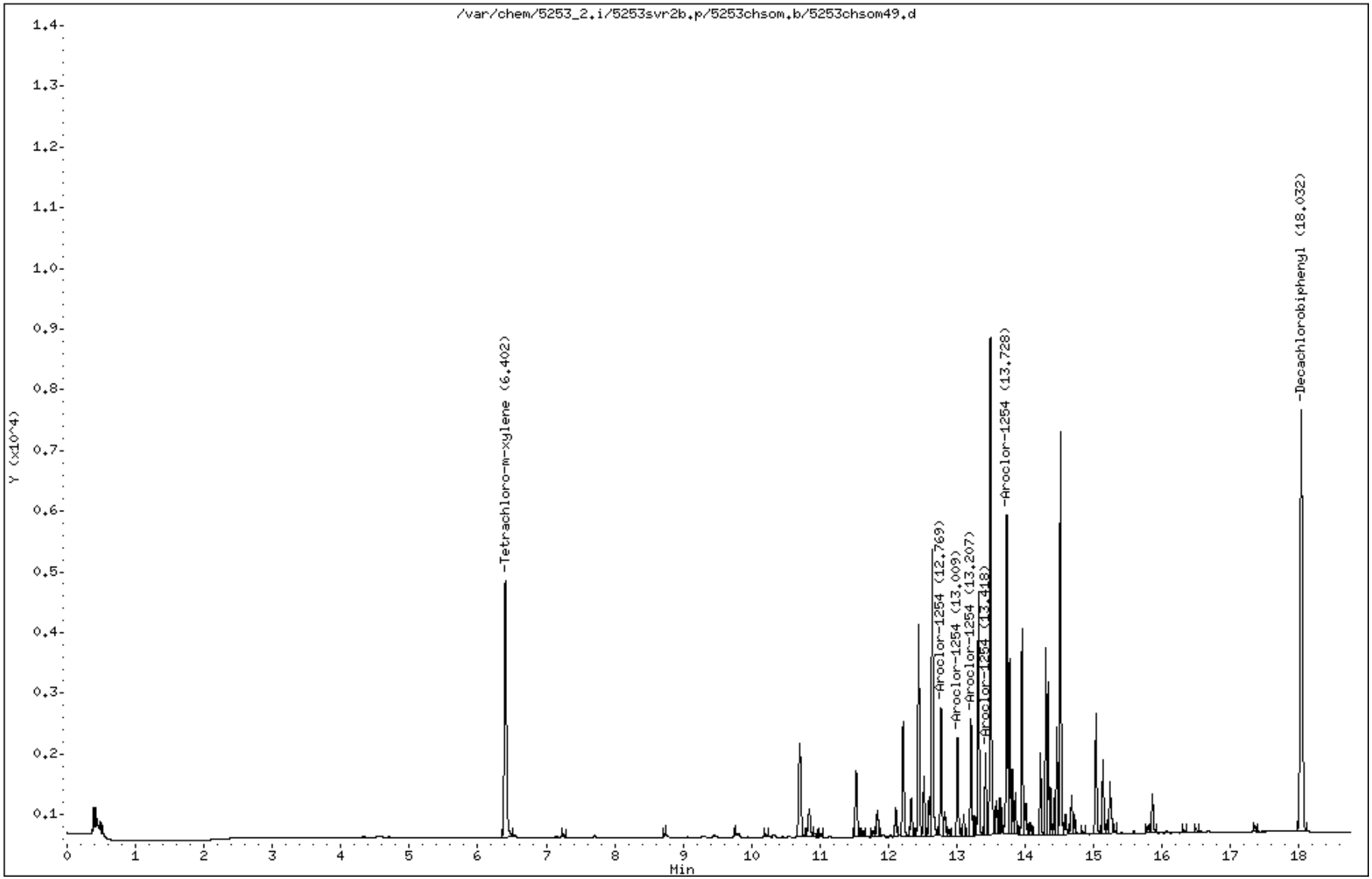
Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom49.d
Lab Smp Id: CCV-540885 Client Smp ID: AR12543S2
Inj Date : 14-AUG-2013 09:40
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCV-540885,1,AR12543S2
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3398	0.02000	0.01945	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
10.932	10.931	0.001	1153	0.40000	0.3897	80.00- 120.00	100.00
11.370	11.370	0.000	1093	0.40000	0.3915	105.70- 145.70	94.80
11.494	11.491	0.003	2282	0.40000	0.3861	132.86- 172.86	197.92
11.601	11.600	0.001	796	0.40000	0.3890	83.52- 123.52	69.04
12.259	12.259	0.000	3359	0.40000	0.3883	92.98- 132.98	291.33
Average of Peak Amounts =					0.389		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	9527	0.04000	0.03766	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom49.d
Date : 14-AUG-2013 09:40
Client ID: AR12543S2
Instrument: 5253_2.i
Sample Info: CCV-540885,1,AR12543S2
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



Data File: 5253chsom49.d
Report Date: 14-Aug-2013 16:22

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom49.d
Lab Smp Id: CCV-540885 Client Smp ID: AR12543S2
Inj Date : 14-AUG-2013 09:40
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCV-540885,1,AR12543S2
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:22 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	4234	0.02000	0.01960	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.769	12.770	-0.001	2099	0.40000	0.3896	80.00- 120.00	100.00(M)
13.009	13.010	-0.001	1611	0.40000	0.3892	105.70- 145.70	76.75
13.207	13.209	-0.002	1930	0.40000	0.3857	132.86- 172.86	91.95
13.418	13.419	-0.001	1345	0.40000	0.3891	83.52- 123.52	64.08
13.728	13.730	-0.002	5249	0.40000	0.3957	92.98- 132.98	250.07
Average of Peak Amounts =					0.39		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	6947	0.04000	0.03845	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

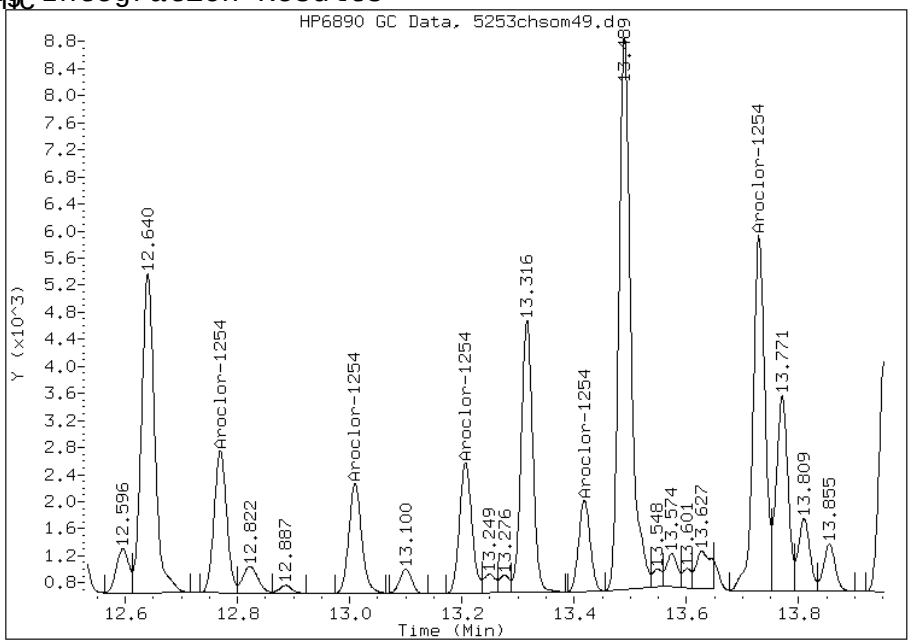
Manual Integration Report

Data File: 5253chsom49.d
Lab Sample ID: CCV-540885
Inj. Date and Time: 14-AUG-2013 09:40
Instrument ID: 5253_2.i
Client ID: AR12543S2
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/14/2013

Processing Integration Results

RT	Response	Conc
12.77	2099	0.39
13.01	1611	0.39
13.21	1930	0.39
13.42	1339*	0.39
13.73	5249*	0.40

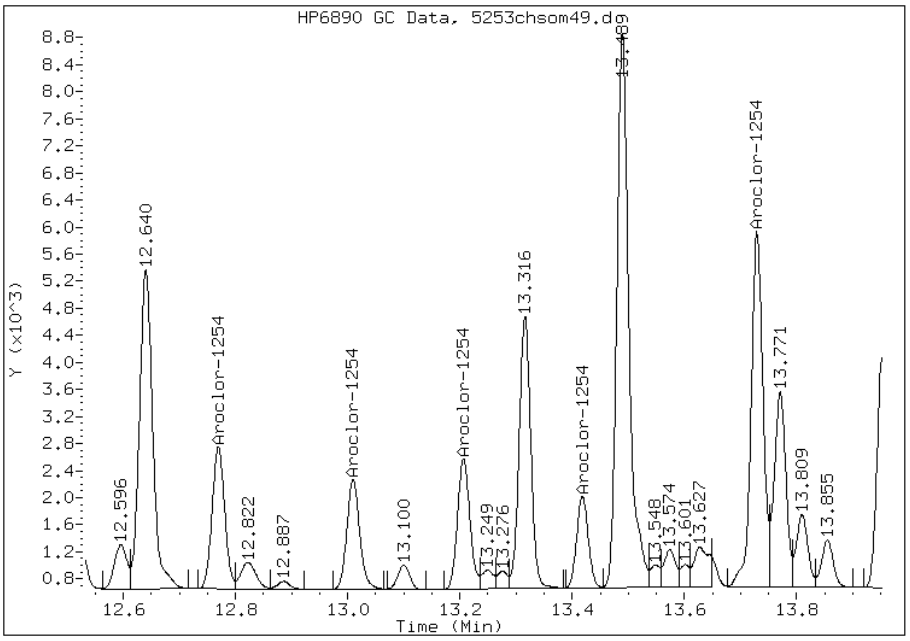
Final Conc		0.39



Manual Integration Results

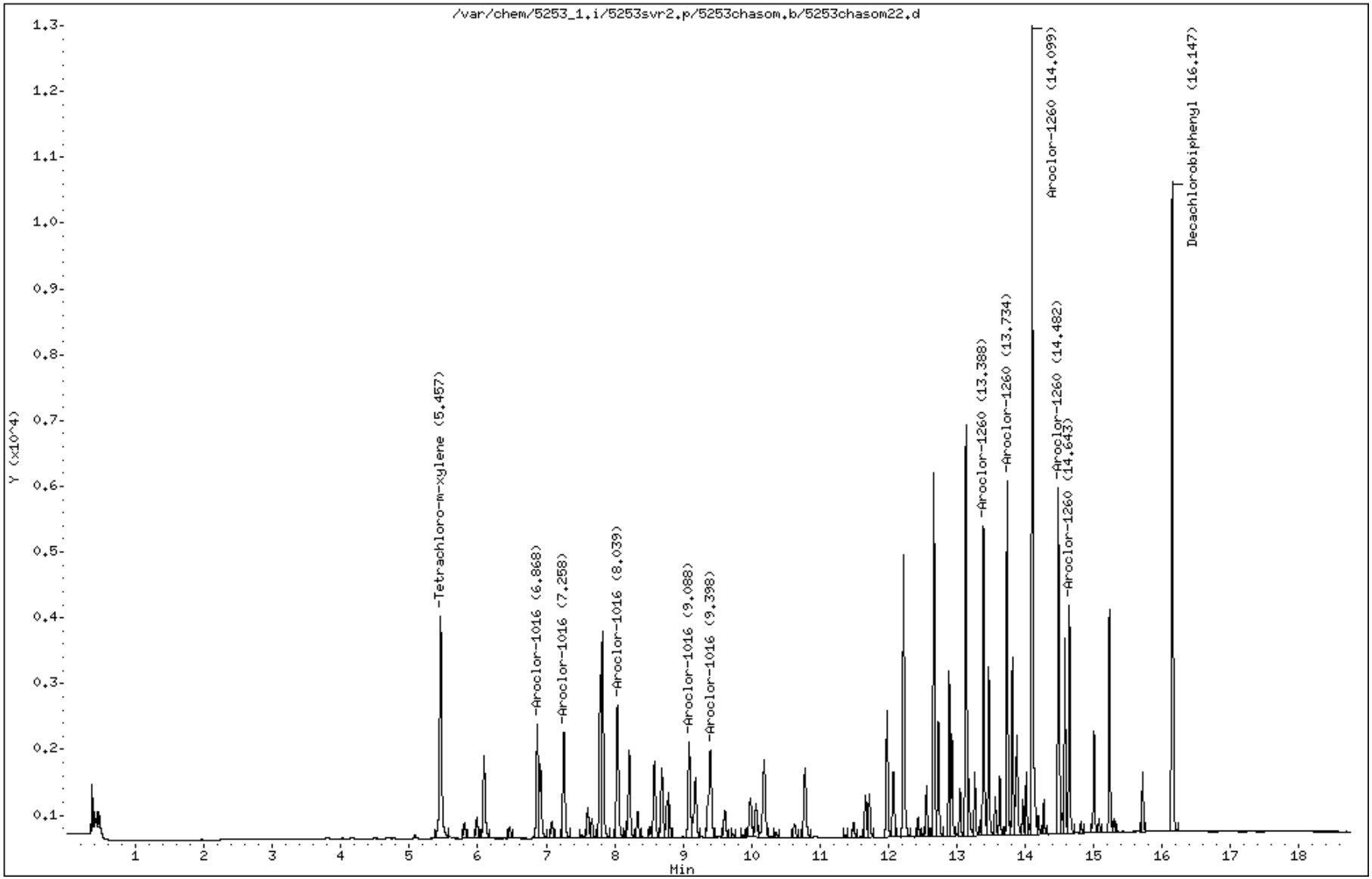
RT	Response	Conc
12.77	2099	0.39
13.01	1611	0.39
13.21	1930	0.39
13.42	1345*	0.39
13.73	5249*	0.40

Final Conc		0.39



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom22.d
Date : 14-AUG-2013 18:41
Client ID: AR16603S3
Instrument: 5253_1.i
Sample Info: CCVC-540886,1,AR16603S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom22.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom22.d
Lab Smp Id: CCVC-540886 Client Smp ID: AR16603S3
Inj Date : 14-AUG-2013 18:41
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCVC-540886,1,AR16603S3
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:07 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 71 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

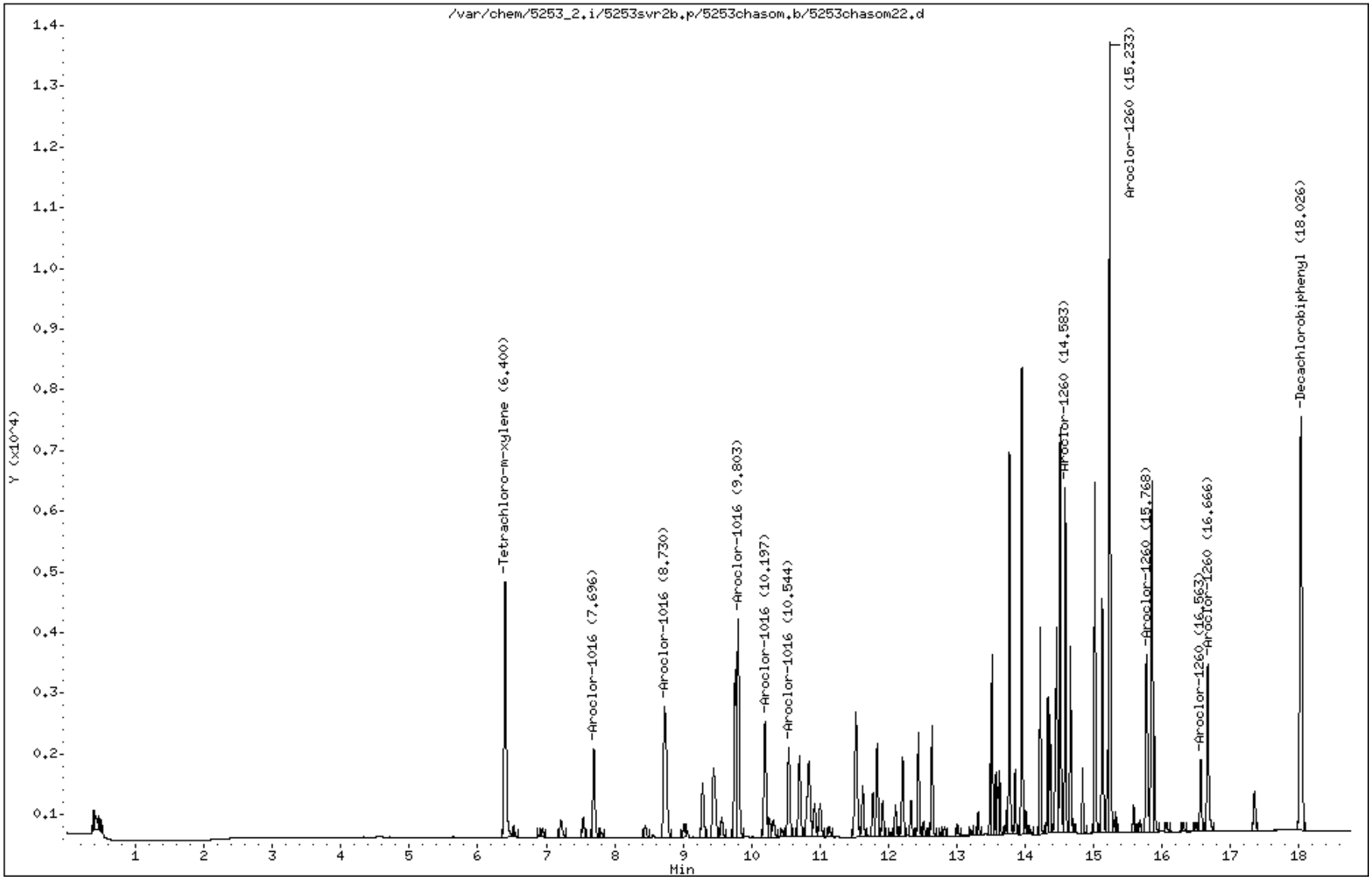
Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	3364	0.02000	0.01925	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
6.868	6.870	-0.002	1724	0.40000	0.3887	80.00- 120.00	100.00
7.258	7.260	-0.002	1603	0.40000	0.3879	242.86- 282.86	92.98
8.039	8.041	-0.002	2013	0.40000	0.3925	231.90- 271.90	116.76
9.088	9.090	-0.002	1451	0.40000	0.3927	98.24- 138.24	84.16
9.398	9.401	-0.003	1322	0.40000	0.3935	94.08- 134.08	76.68
Average of Peak Amounts =					0.391		
8 Aroclor-1260					CAS #: 11096-82-5		
13.388	13.391	-0.003	4713	0.40000	0.3974	80.00- 120.00	100.00
13.734	13.739	-0.005	5378	0.40000	0.4070	92.64- 132.64	114.11
14.099	14.104	-0.005	12569	0.40000	0.4150	69.99- 109.99	266.69
14.482	14.488	-0.006	5259	0.40000	0.3939	115.64- 155.64	111.58
14.643	14.649	-0.006	3461	0.40000	0.3925	57.50- 97.50	73.44
Average of Peak Amounts =					0.401		

Data File: 5253chasom22.d
Report Date: 27-Aug-2013 17:07

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.147	16.151	-0.004	9869	0.04000	0.03901	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom22.d
Date : 14-AUG-2013 18:41
Client ID: AR16603S3
Instrument: 5253_2.i
Sample Info: CCVC-540886,1,AR16603S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom22.d
Lab Smp Id: CCVC-540886 Client Smp ID: AR16603S3
Inj Date : 14-AUG-2013 18:41
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCVC-540886,1,AR16603S3
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 71 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

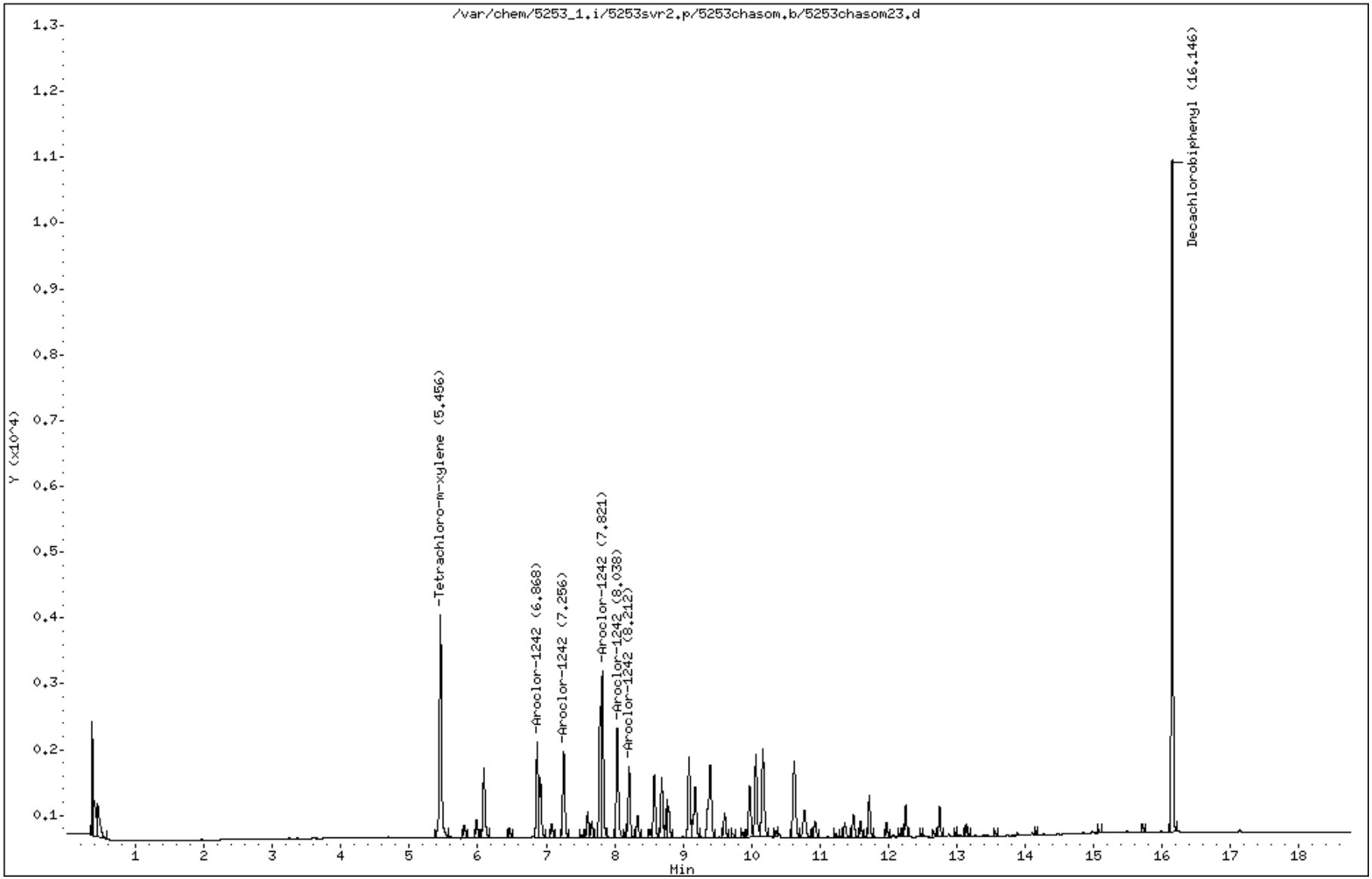
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.400	6.402	-0.002	4205	0.02000	0.01946	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.696	7.700	-0.004	1459	0.40000	0.3955	80.00- 120.00	100.00
8.730	8.731	-0.001	2150	0.40000	0.3899	242.86- 282.86	147.36
9.803	9.809	-0.006	3591	0.40000	0.3994	231.90- 271.90	246.13
10.197	10.200	-0.003	1908	0.40000	0.3975	98.24- 138.24	130.77
10.544	10.549	-0.005	1484	0.40000	0.3966	94.08- 134.08	101.71
Average of Peak Amounts =					0.396		
8 Aroclor-1260					CAS #: 11096-82-5		
14.583	14.589	-0.006	5687	0.40000	0.3874	80.00- 120.00	100.00
15.233	15.239	-0.006	13012	0.40000	0.3932	92.64- 132.64	228.80
15.768	15.771	-0.003	2913	0.40000	0.3990	69.99- 109.99	51.22
16.563	16.569	-0.006	1190	0.40000	0.3976	115.64- 155.64	20.92
16.666	16.670	-0.004	2755	0.40000	0.3965	57.50- 97.50	48.44
Average of Peak Amounts =					0.395		

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.026	18.032	-0.006	6806	0.04000	0.03766	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom23.d
Date : 14-AUG-2013 19:06
Client ID: AR12423S3
Instrument: 5253_1.i
Sample Info: CCVC-540888,1,AR12423S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom23.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

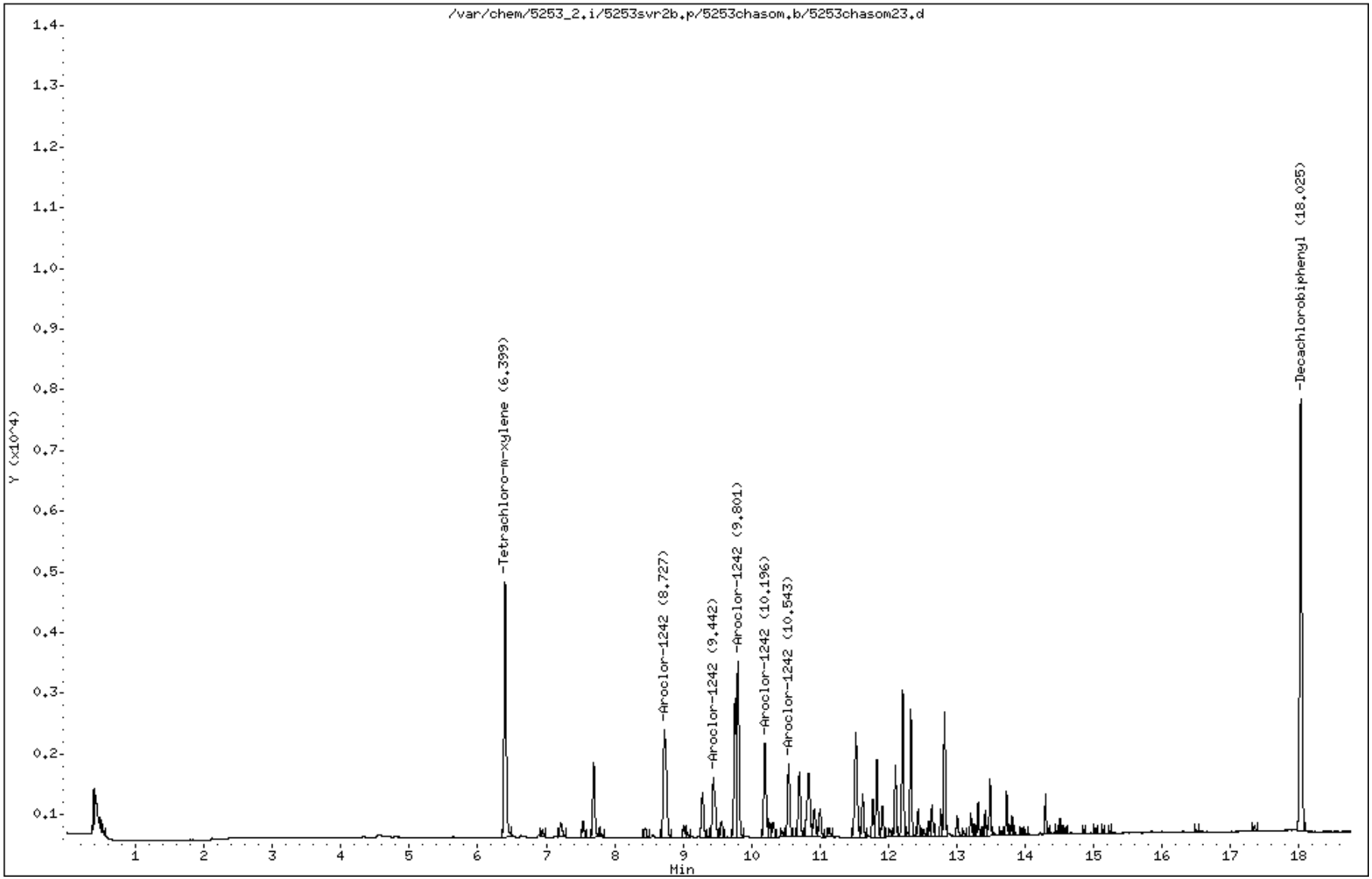
Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom23.d
Lab Smp Id: CCVC-540888 Client Smp ID: AR12423S3
Inj Date : 14-AUG-2013 19:06
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCVC-540888,1,AR12423S3
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:07 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 72 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.456	5.458	-0.002	3373	0.02000	0.01930	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
6.868	6.871	-0.003	1456	0.40000	0.4065	80.00- 120.00	100.00
7.256	7.260	-0.004	1319	0.40000	0.4014	76.75- 116.75	90.59
7.821	7.827	-0.006	2523	0.40000	0.4122	25.18- 65.18	173.28
8.038	8.041	-0.003	1665	0.40000	0.4120	28.37- 68.37	114.35
8.212	8.219	-0.007	1075	0.40000	0.4104	25.12- 65.12	73.83
Average of Peak Amounts =					0.408		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.146	16.151	-0.005	10214	0.04000	0.04038	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom23.d
Date : 14-AUG-2013 19:06
Client ID: AR12423S3
Instrument: 5253_2.i
Sample Info: CCVC-540888,1,AR12423S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

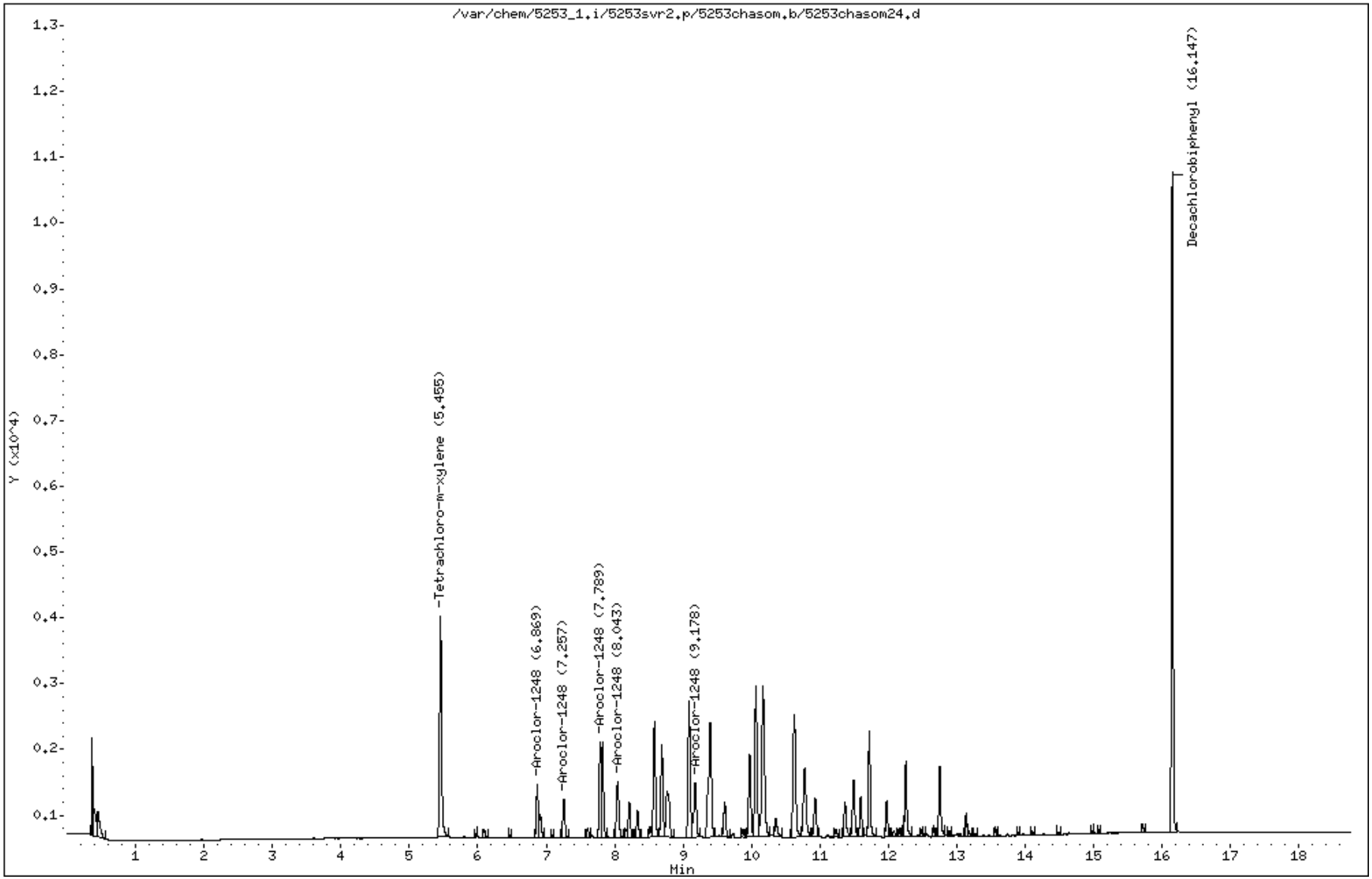
Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom23.d
Lab Smp Id: CCVC-540888 Client Smp ID: AR12423S3
Inj Date : 14-AUG-2013 19:06
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCVC-540888,1,AR12423S3
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 72 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.399	6.402	-0.003	4195	0.02000	0.01942	80.00- 120.00	100.00
3 Aroclor-1242					CAS #: 53469-21-9		
8.727	8.731	-0.004	1765	0.40000	0.3931	80.00- 120.00	100.00
9.442	9.449	-0.007	969	0.40000	0.3992	76.75- 116.75	54.90
9.801	9.809	-0.008	2899	0.40000	0.4042	25.18- 65.18	164.25
10.196	10.201	-0.005	1547	0.40000	0.3957	28.37- 68.37	87.65
10.543	10.549	-0.006	1208	0.40000	0.4018	25.12- 65.12	68.44
Average of Peak Amounts =					0.399		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.025	18.032	-0.007	7106	0.04000	0.03933	80.00- 120.00	100.00

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom24.d
Date : 14-AUG-2013 19:31
Client ID: AR12483S3
Instrument: 5253_1.i
Sample Info: CCVC-540889,1,AR12483S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom24.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

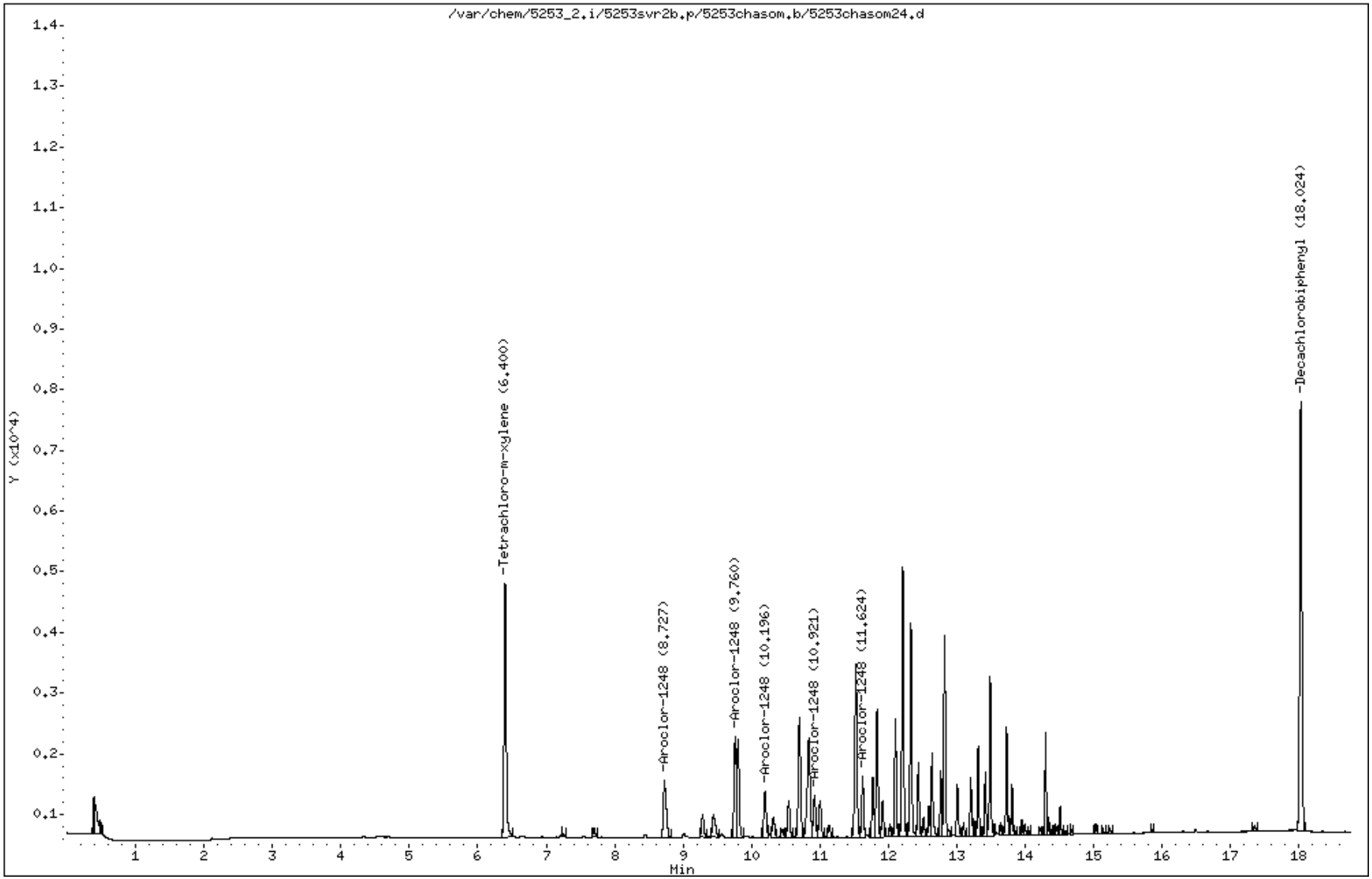
Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom24.d
Lab Smp Id: CCVC-540889 Client Smp ID: AR12483S3
Inj Date : 14-AUG-2013 19:31
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCVC-540889,1,AR12483S3
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:07 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 73 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.455	5.458	-0.003	3345	0.02000	0.01914	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
6.869	6.870	-0.001	800	0.40000	0.3854	80.00- 120.00	100.00
7.257	7.260	-0.003	588	0.40000	0.3889	76.66- 116.66	73.50
7.789	7.790	-0.001	1448	0.40000	0.3949	78.35- 118.35	181.00
8.043	8.046	-0.003	841	0.40000	0.3885	83.94- 123.94	105.12
9.178	9.181	-0.003	832	0.40000	0.3917	53.70- 93.70	104.00
Average of Peak Amounts =					0.39		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.147	16.151	-0.004	10028	0.04000	0.03964	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom24.d
Date : 14-AUG-2013 19:31
Client ID: AR12483S3
Instrument: 5253_2.i
Sample Info: CCVC-540889,1,AR12483S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom24.d
Lab Smp Id: CCVC-540889 Client Smp ID: AR12483S3
Inj Date : 14-AUG-2013 19:31
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCVC-540889,1,AR12483S3
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 73 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.400	6.402	-0.002	4183	0.02000	0.01936	80.00- 120.00	100.00
6 Aroclor-1248					CAS #: 12672-29-6		
8.727	8.731	-0.004	945	0.40000	0.3890	80.00- 120.00	100.00(M)
9.760	9.763	-0.003	1671	0.40000	0.4004	76.66- 116.66	176.83
10.195	10.200	-0.005	761	0.40000	0.3935	78.35- 118.35	80.53
10.920	10.925	-0.005	703	0.40000	0.4009	83.94- 123.94	74.39
11.624	11.630	-0.006	1011	0.40000	0.3944	53.70- 93.70	106.98
Average of Peak Amounts =					0.396		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.024	18.032	-0.008	7069	0.04000	0.03912	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

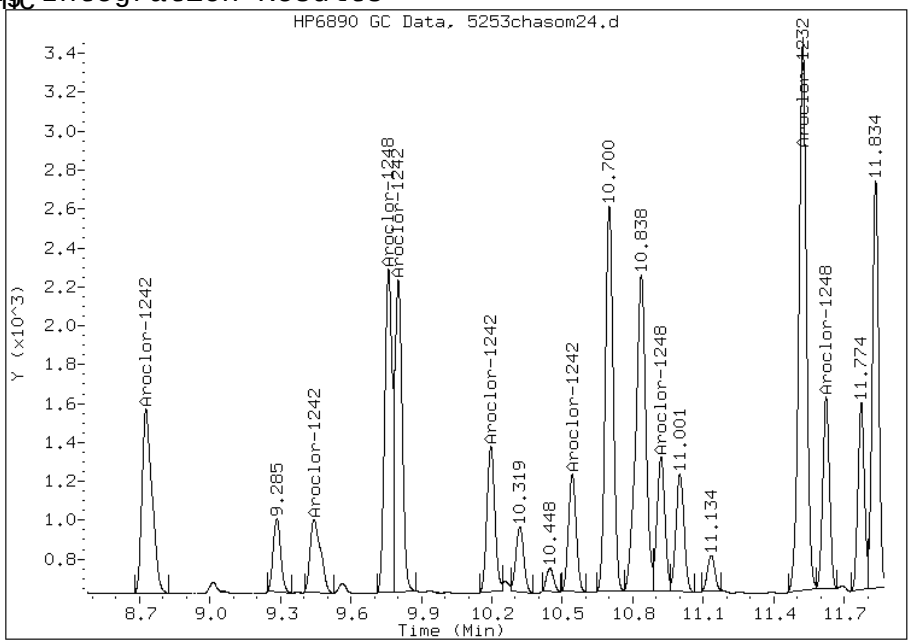
Manual Integration Report

Data File: 5253chasom24.d
Lab Sample ID: CCVC-540889
Inj. Date and Time: 14-AUG-2013 19:31
Instrument ID: 5253_2.i
Client ID: AR12483S3
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
8.73	945	0.39
9.76	1659*	0.40
10.20	747*	0.39
10.92	687*	0.39
11.62	987*	0.39

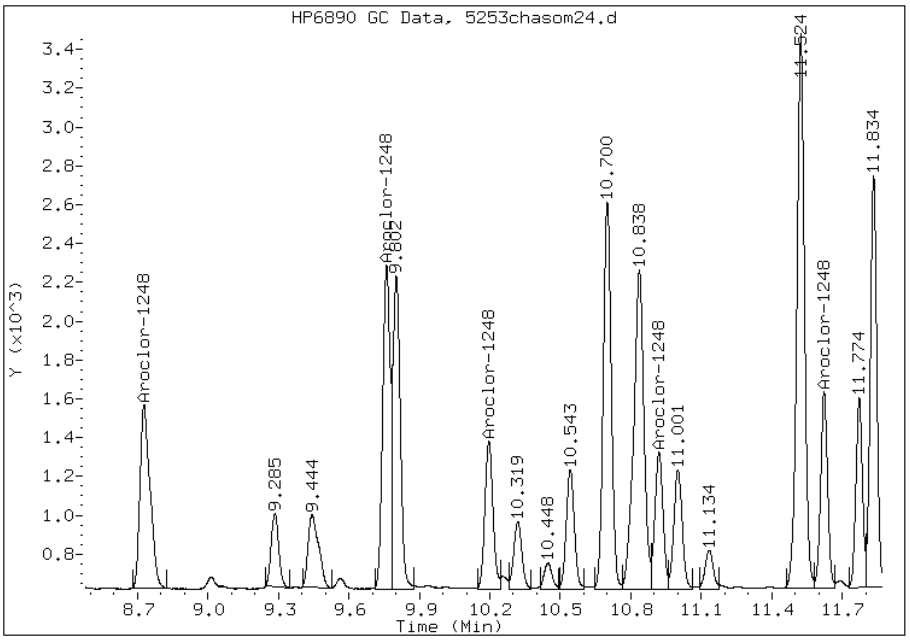
Final Conc		0.39



Manual Integration Results

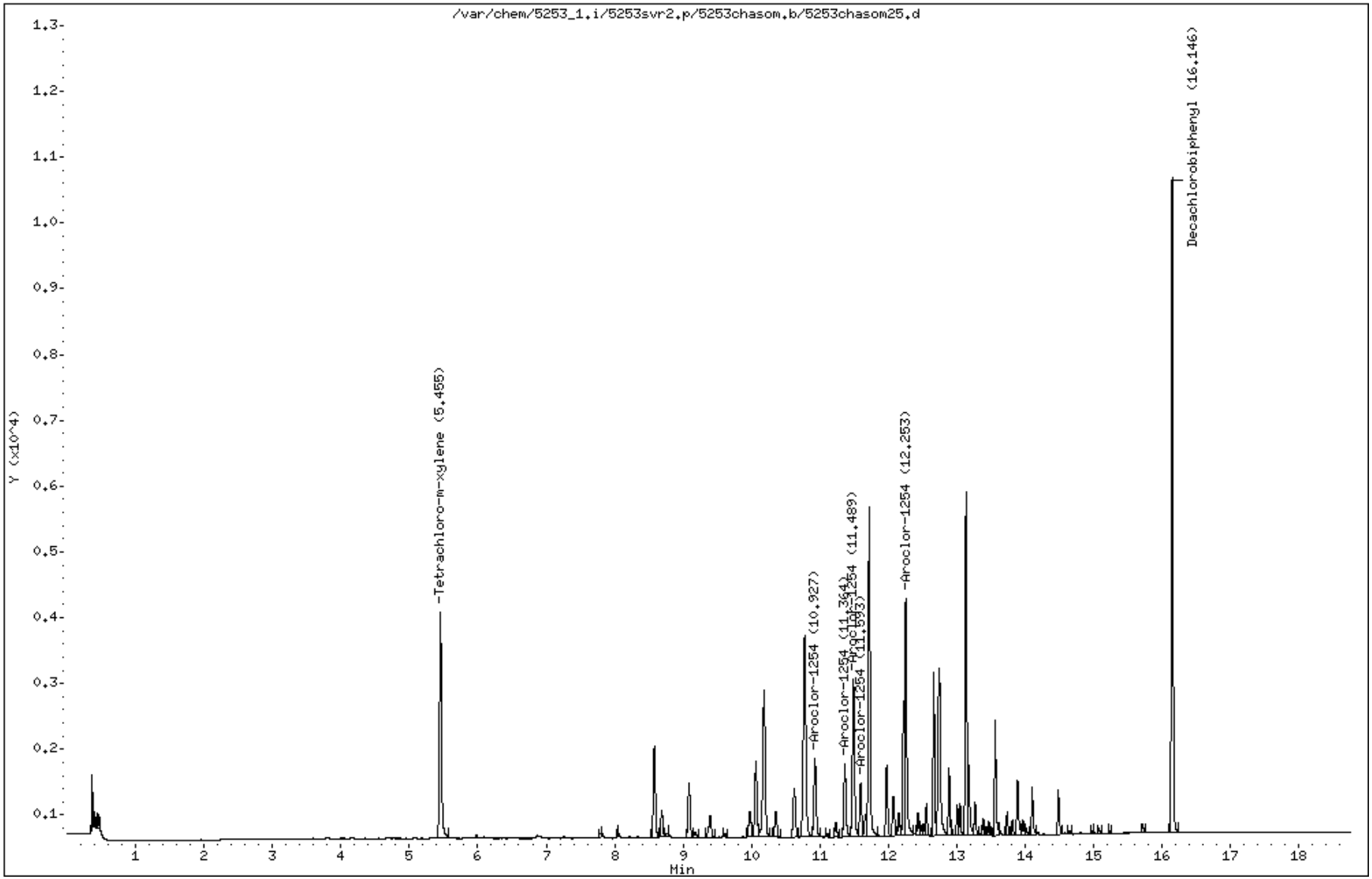
RT	Response	Conc
8.73	945	0.39
9.76	1671*	0.40
10.20	761*	0.39
10.92	703*	0.40
11.62	1011*	0.39

Final Conc		0.40



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom25.d
Date : 14-AUG-2013 19:55
Client ID: AR12543S3
Instrument: 5253_1.i
Sample Info: CCVC-540885,1,AR12543S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom25.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

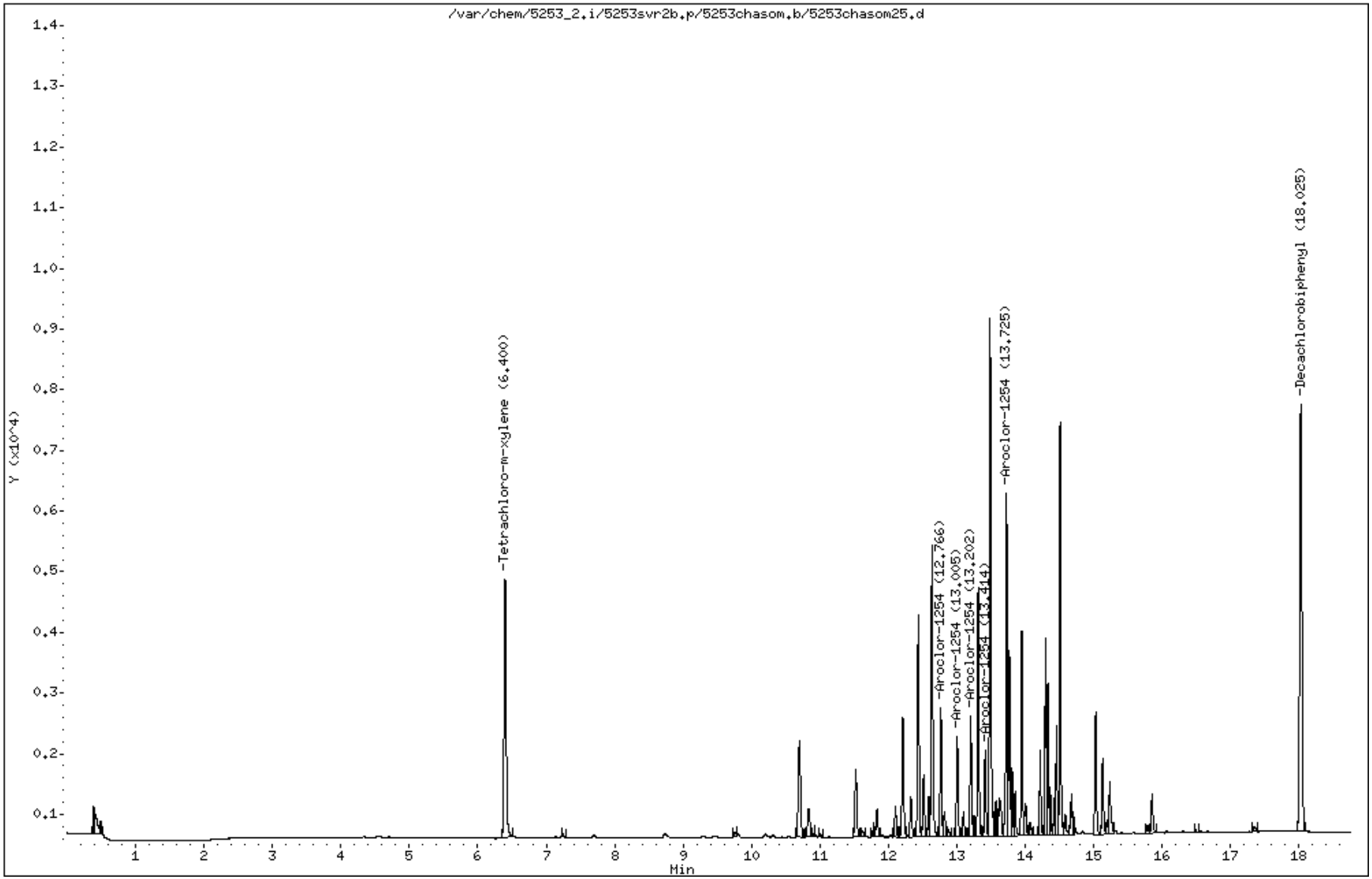
Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom25.d
Lab Smp Id: CCVC-540885 Client Smp ID: AR12543S3
Inj Date : 14-AUG-2013 19:55
Operator : MMS Inst ID: 5253_1.i
Smp Info : CCVC-540885,1,AR12543S3
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:07 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 74 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.455	5.458	-0.003	3431	0.02000	0.01964	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
10.927	10.931	-0.004	1184	0.40000	0.4002	80.00- 120.00	100.00
11.364	11.370	-0.006	1114	0.40000	0.3990	105.70- 145.70	94.09
11.489	11.491	-0.002	2396	0.40000	0.4053	132.86- 172.86	202.36
11.593	11.600	-0.007	799	0.40000	0.3905	83.52- 123.52	67.48
12.253	12.259	-0.006	3597	0.40000	0.4159	92.98- 132.98	303.80
Average of Peak Amounts =					0.402		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.146	16.151	-0.005	9958	0.04000	0.03937	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom25.d
Date : 14-AUG-2013 19:55
Client ID: AR12543S3
Instrument: 5253_2.i
Sample Info: CCVC-540885,1,AR12543S3
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom25.d
Lab Smp Id: CCVC-540885 Client Smp ID: AR12543S3
Inj Date : 14-AUG-2013 19:55
Operator : MMS Inst ID: 5253_2.i
Smp Info : CCVC-540885,1,AR12543S3
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 74 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.400	6.402	-0.002	4262	0.02000	0.01973	80.00- 120.00	100.00
7 Aroclor-1254					CAS #: 11097-69-1		
12.766	12.770	-0.004	2133	0.40000	0.3959	80.00- 120.00	100.00(M)
13.005	13.010	-0.005	1642	0.40000	0.3967	105.70- 145.70	76.98
13.202	13.209	-0.007	1992	0.40000	0.3981	132.86- 172.86	93.39
13.414	13.419	-0.005	1422	0.40000	0.4114	83.52- 123.52	66.67
13.725	13.730	-0.005	5644	0.40000	0.4254	92.98- 132.98	264.60
Average of Peak Amounts =					0.405		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.025	18.032	-0.007	7032	0.04000	0.03892	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

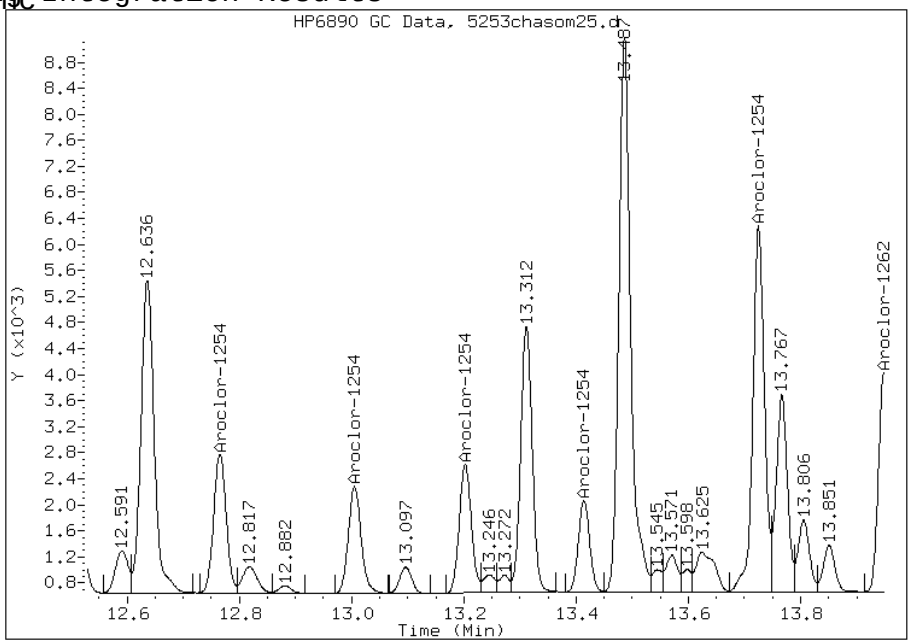
Manual Integration Report

Data File: 5253chasom25.d
Lab Sample ID: CCVC-540885
Inj. Date and Time: 14-AUG-2013 19:55
Instrument ID: 5253_2.i
Client ID: AR12543S3
Compound: 7 Aroclor-1254
CAS #: 11097-69-1
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
12.77	2120*	0.39
13.00	1639*	0.40
13.20	1984*	0.40
13.41	1409*	0.41
13.72	5633*	0.42

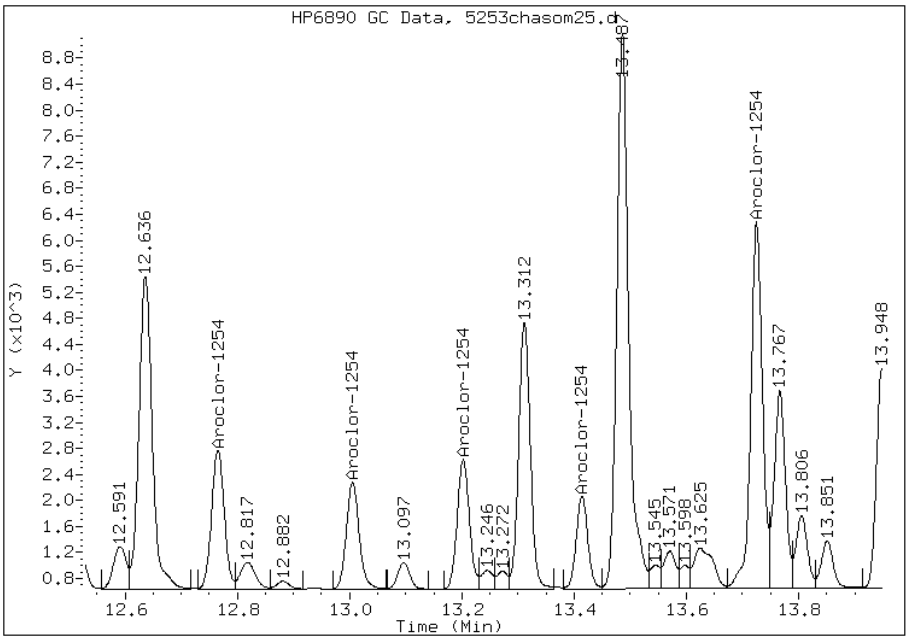
Final Conc		0.40



Manual Integration Results

RT	Response	Conc
12.77	2133*	0.40
13.00	1642*	0.40
13.20	1992*	0.40
13.41	1422*	0.41
13.72	5644*	0.43

Final Conc		0.41



File Uploaded By: jsw
Manual Integration Reason: Baseline event

EPA SAMPLE NO.

ABLKI3

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: MB 200-59239/1-C

Sample wt/vol: 29.3 (g/mL) g Lab File ID: 5253CHASOM07.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

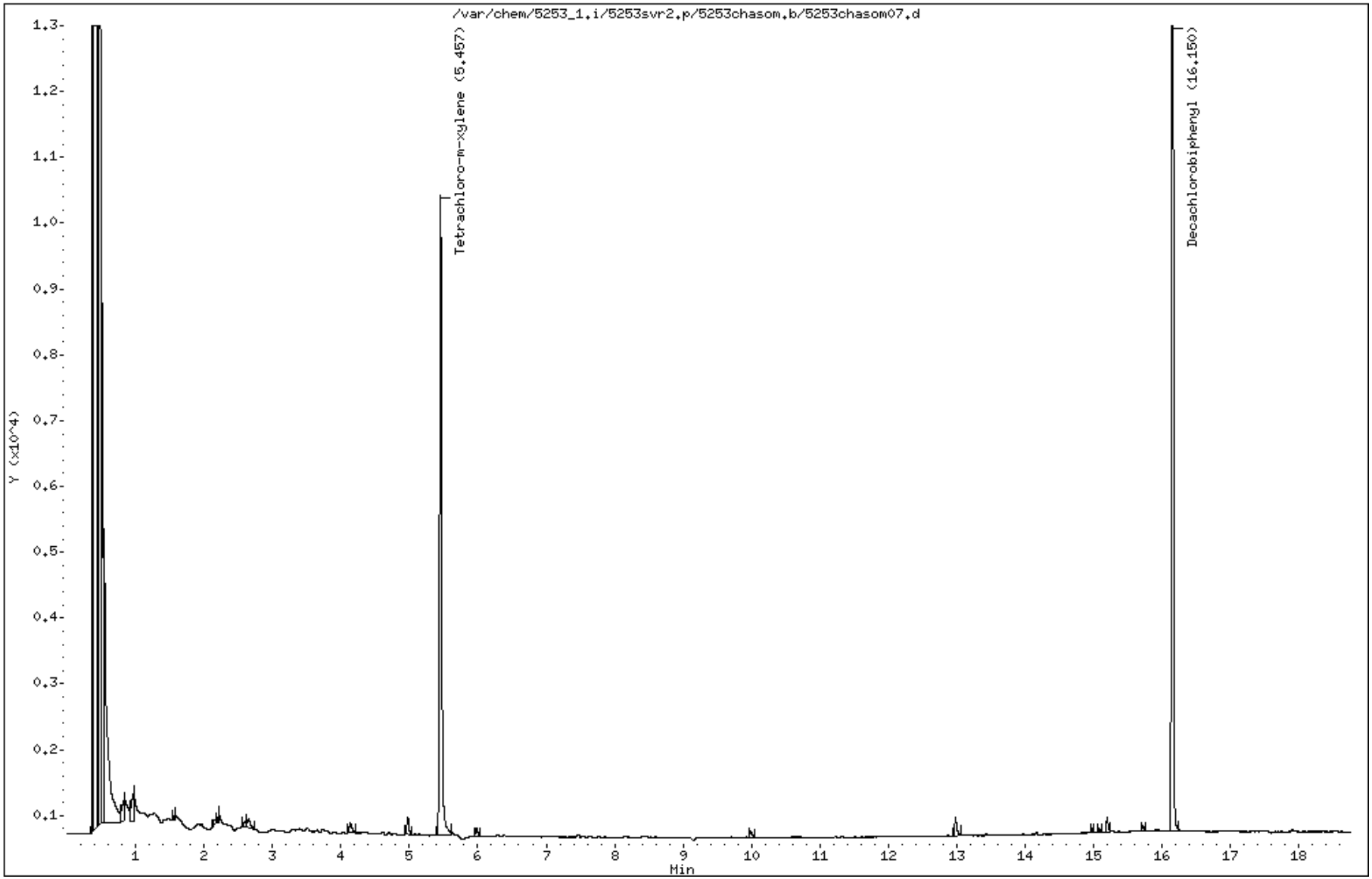
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U
37324-23-5	Aroclor-1262	34	U
11100-14-4	Aroclor-1268	34	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom07.d
Date : 14-AUG-2013 12:32
Client ID: ABLKI3
Instrument: 5253_1.i
Sample Info: MB 200-59239/1-C
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom07.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

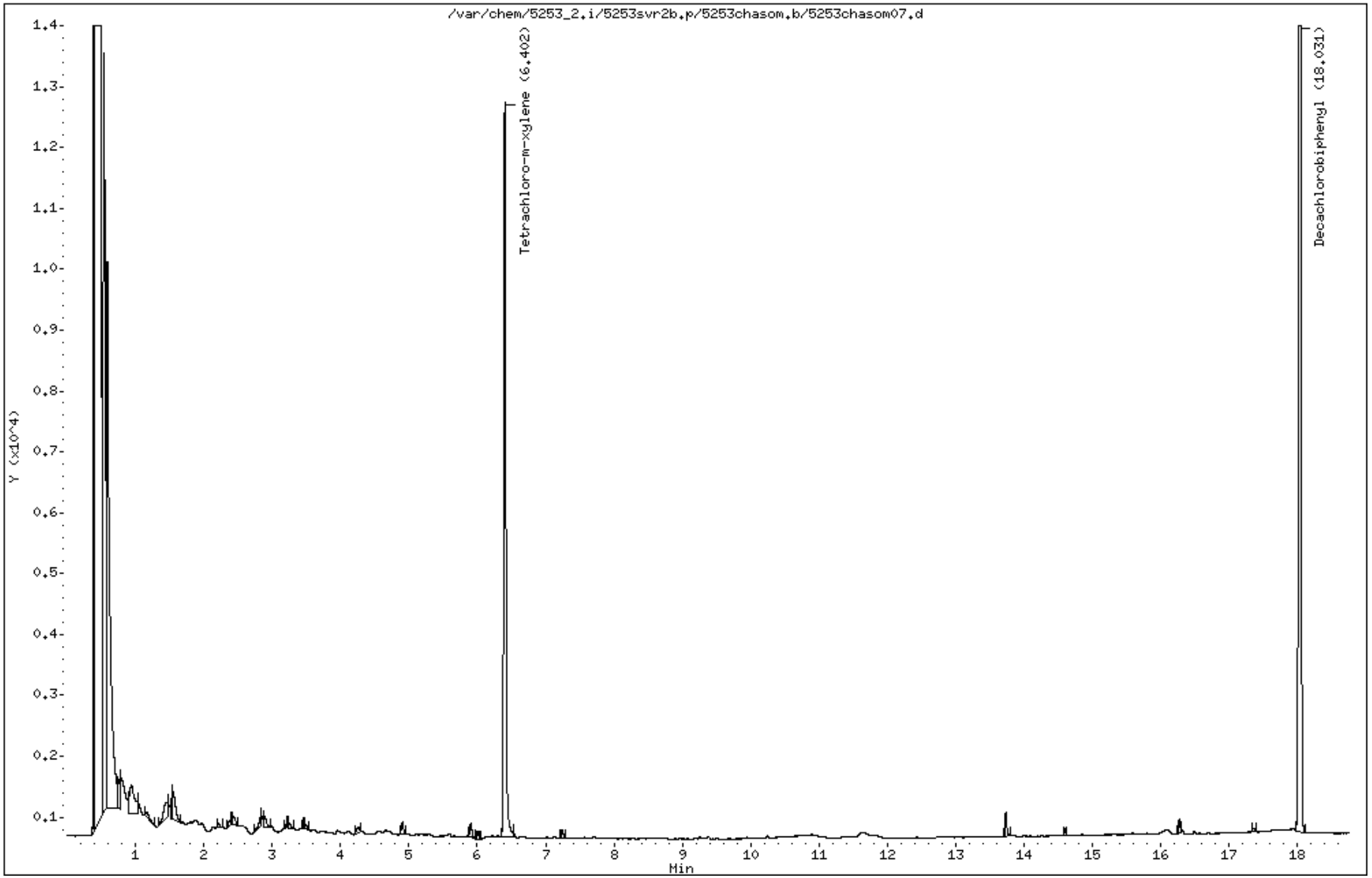
Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom07.d
Lab Smp Id: MB 200-59239/1-C Client Smp ID: ABLKI3
Inj Date : 14-AUG-2013 12:32
Operator : MMS Inst ID: 5253_1.i
Smp Info : MB 200-59239/1-C
Misc Info :
Comment   :
Method   : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:01 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 56 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.457	5.458	-0.001	9721	0.05563	0.05563	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.150	16.151	-0.001	31058	0.12278	0.1228	80.00- 120.00	100.00

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom07.d
Date : 14-AUG-2013 12:32
Client ID: ABLKI3
Instrument: 5253_2.i
Sample Info: MB 200-59239/1-C
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom07.d
Lab Smp Id: MB 200-59239/1-C Client Smp ID: ABLKI3
Inj Date : 14-AUG-2013 12:32
Operator : MMS Inst ID: 5253_2.i
Smp Info : MB 200-59239/1-C
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 56 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.402	6.402	0.000	12059	0.05582	0.05582	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.031	18.032	-0.001	20853	0.11540	0.1154	80.00- 120.00	100.00

EPA SAMPLE NO.
AIBLKS4(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59793/39

Sample wt/vol: (g/mL) Lab File ID: 5253CHSOM39.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: () Date Analyzed: 08/14/2013

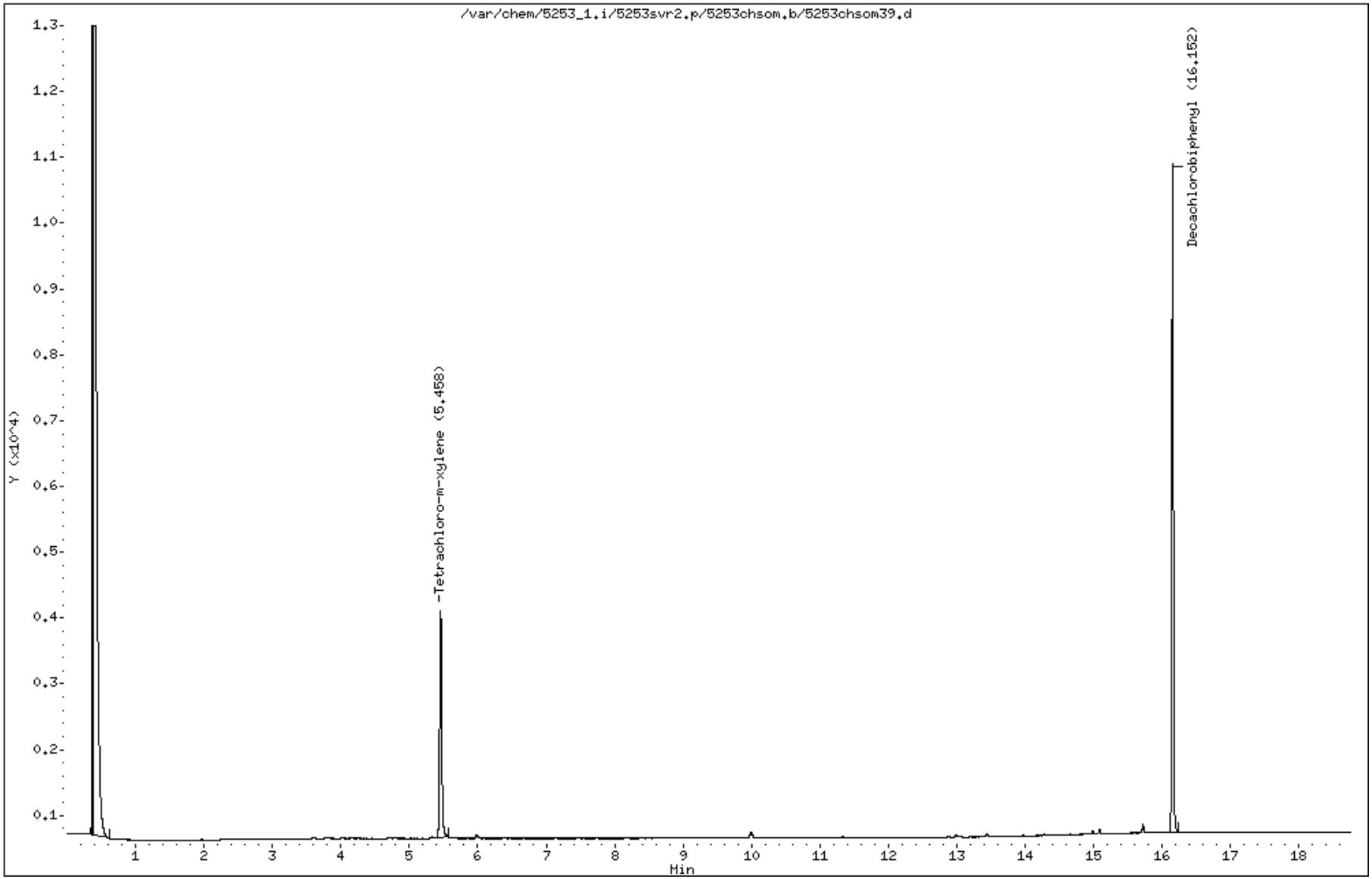
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U
37324-23-5	Aroclor-1262	100	U
11100-14-4	Aroclor-1268	100	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom39.d
Date : 14-AUG-2013 05:34
Client ID: AIBLKS4 Instrument: 5253_1.i
Sample Info: PIBLK-521198,1,AIBLKS4
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-5 Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom39.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS4
Inj Date : 14-AUG-2013 05:34
Operator : MMS Inst ID: 5253_1.i
Smp Info : PIBLK-521198,1,AIBLKS4
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	3430	0.02000	0.01963	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.152	16.151	0.001	10149	0.04000	0.04012	80.00- 120.00	100.00

EPA SAMPLE NO.
AIBLKS4(2)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59793/39

Sample wt/vol: (g/mL) Lab File ID: 5253CHSOM39.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: () Date Analyzed: 08/14/2013

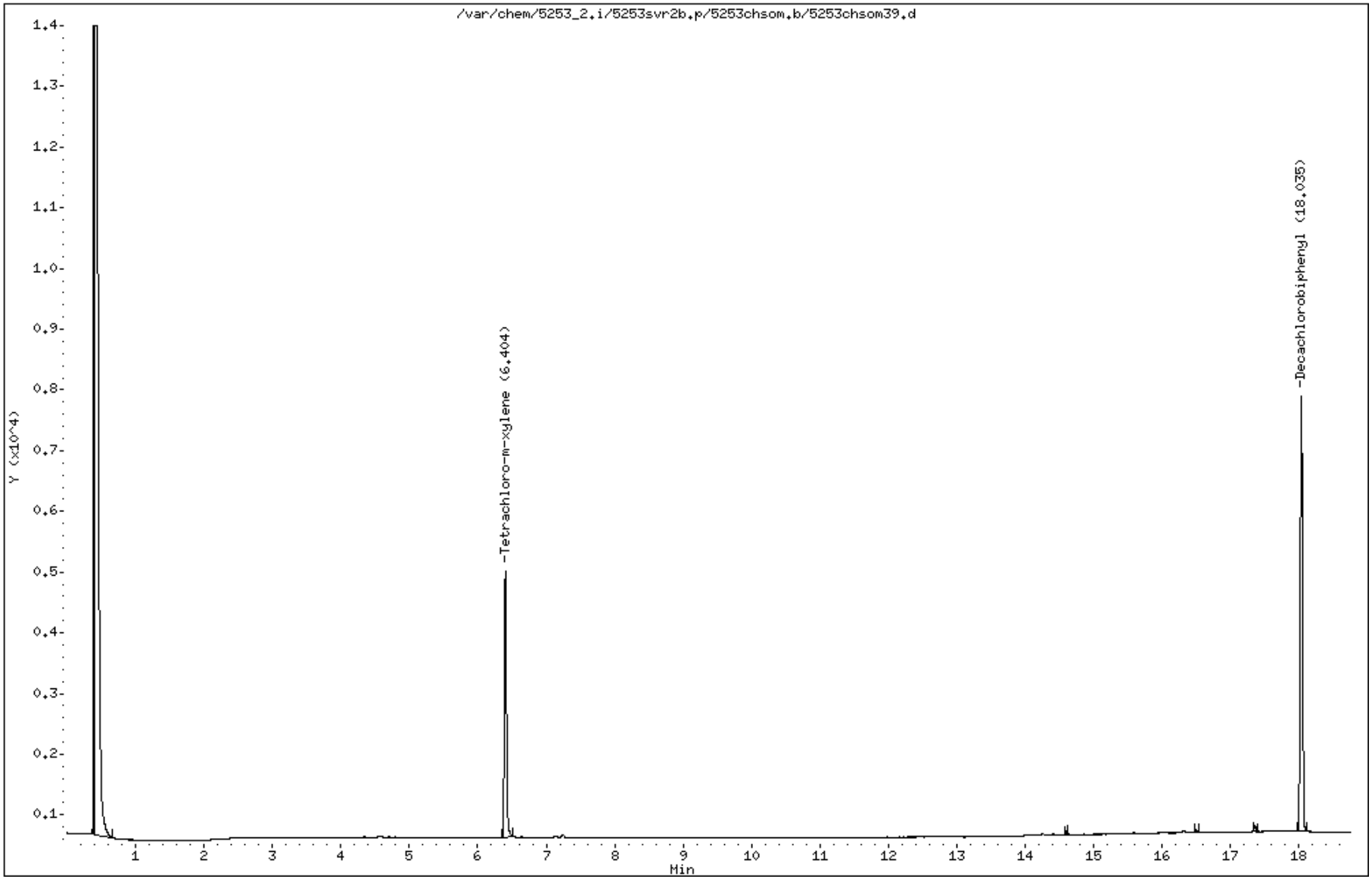
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U
37324-23-5	Aroclor-1262	100	U
11100-14-4	Aroclor-1268	100	U

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom39.d
Date : 14-AUG-2013 05:34
Client ID: AIBLKS4 Instrument: 5253_2.i
Sample Info: PIBLK-521198,1,AIBLKS4
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-35 Column diameter: 0.25



Data File: 5253chsom39.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom39.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS4
Inj Date : 14-AUG-2013 05:34
Operator : MMS Inst ID: 5253_2.i
Smp Info : PIBLK-521198,1,AIBLKS4
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
6.404	6.402	0.002	4373	0.02000	0.02024	80.00- 120.00		100.00
$ 11 Decachlorobiphenyl						CAS #: 2051-24-3		
18.035	18.032	0.003	7170	0.04000	0.03968	80.00- 120.00		100.00

EPA SAMPLE NO.
AIBLKS5(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59793/45

Sample wt/vol: (g/mL) Lab File ID: 5253CHSOM45.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: () Date Analyzed: 08/14/2013

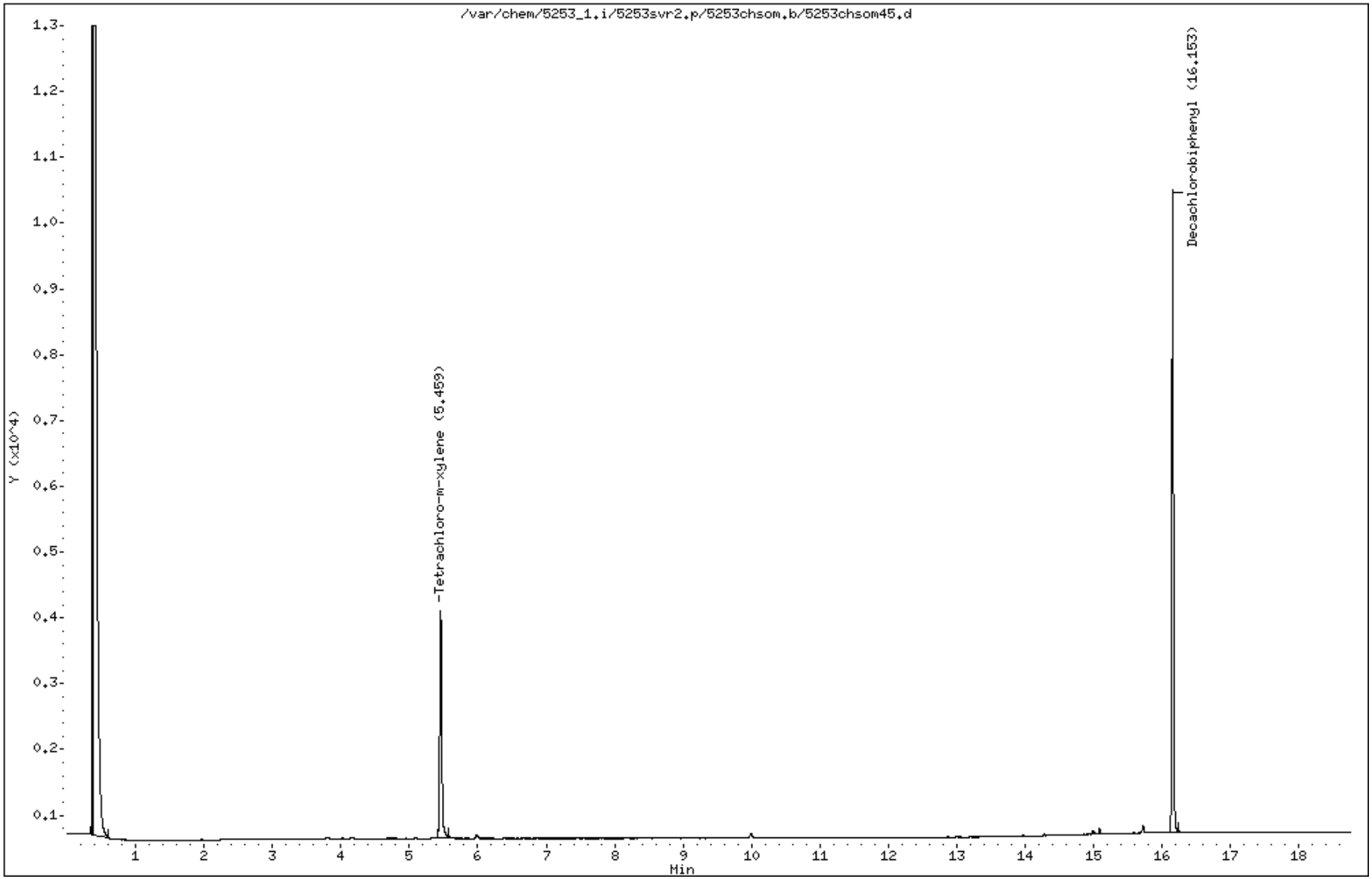
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U
37324-23-5	Aroclor-1262	100	U
11100-14-4	Aroclor-1268	100	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom45.d
Date : 14-AUG-2013 08:01
Client ID: AIBLKS5 Instrument: 5253_1.i
Sample Info: PIBLK-521198,1,AIBLKS5
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-5 Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/5253chsom45.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS5
Inj Date : 14-AUG-2013 08:01
Operator : MMS Inst ID: 5253_1.i
Smp Info : PIBLK-521198,1,AIBLKS5
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chsom.b/SOM01PCB_RTX5.m
Meth Date : 14-Aug-2013 16:19 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.459	5.458	0.001	3446	0.02000	0.01972	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.153	16.151	0.002	9772	0.04000	0.03863	80.00- 120.00	100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-59793/45

Sample wt/vol: (g/mL) Lab File ID: 5253CHSOM45.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: () Date Analyzed: 08/14/2013

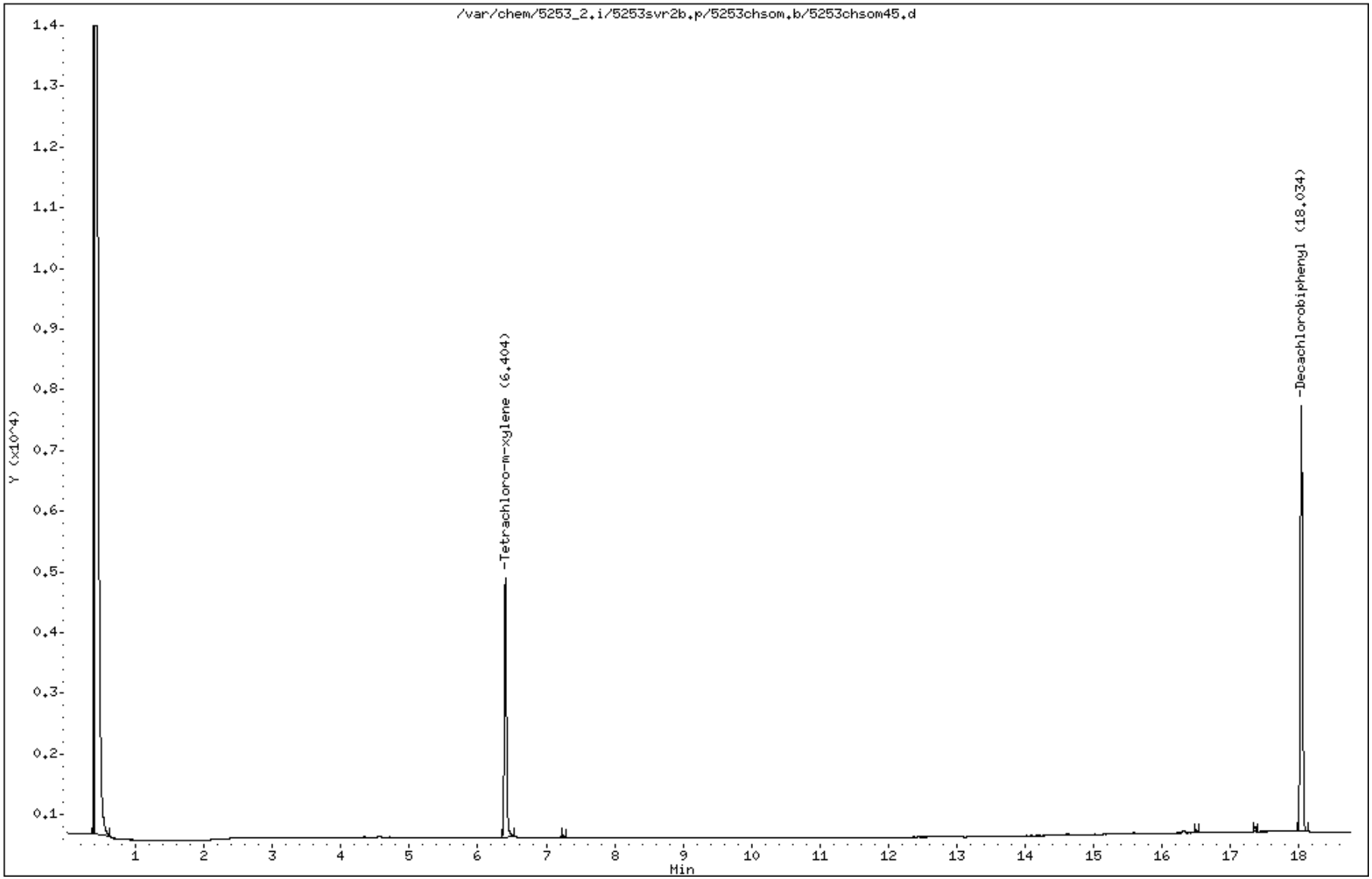
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U
37324-23-5	Aroclor-1262	100	U
11100-14-4	Aroclor-1268	100	U

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom45.d
Date : 14-AUG-2013 08:01
Client ID: AIBLKS5 Instrument: 5253_2.i
Sample Info: PIBLK-521198,1,AIBLKS5
Volume Injected (uL): 1.0 Operator: MMS
Column phase: RTX-35 Column diameter: 0.25



Data File: 5253chsom45.d
Report Date: 14-Aug-2013 16:21

TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/5253chsom45.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS5
Inj Date : 14-AUG-2013 08:01
Operator : MMS Inst ID: 5253_2.i
Smp Info : PIBLK-521198,1,AIBLKS5
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chsom.b/SOM01PCB_RTX35.m
Meth Date : 14-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.404	6.402	0.002	4278	0.02000	0.01980	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.034	18.032	0.002	7011	0.04000	0.03880	80.00- 120.00	100.00

EPA SAMPLE NO.

AIBLKS6(1)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60364/21

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5253CHASOM21.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

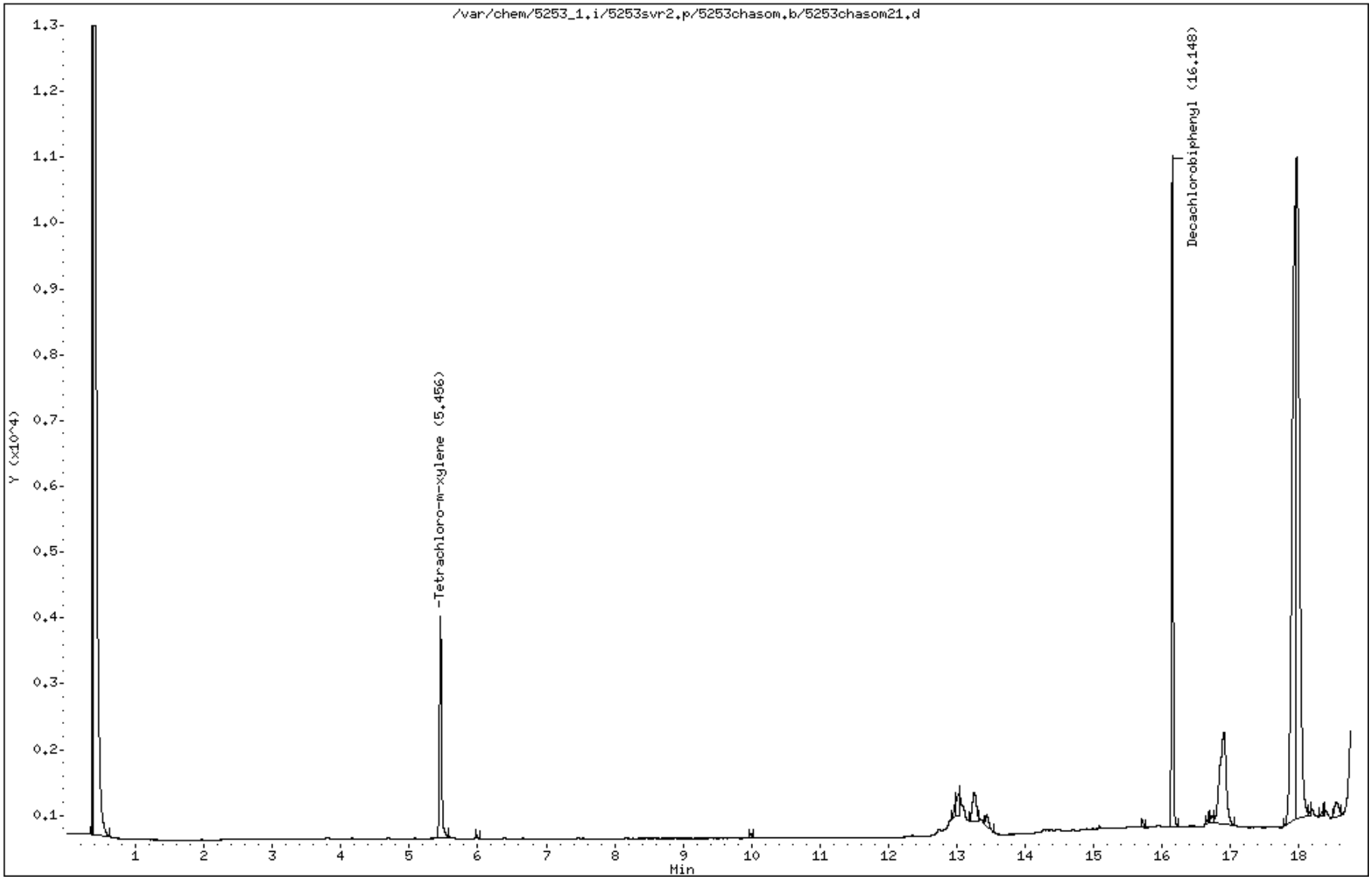
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom21.d
Date : 14-AUG-2013 18:17
Client ID: AIBLKS6
Instrument: 5253_1.i
Sample Info: PIBLK-521198,1,AIBLKS6
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom21.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom21.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS6
Inj Date : 14-AUG-2013 18:17
Operator : MMS Inst ID: 5253_1.i
Smp Info : PIBLK-521198,1,AIBLKS6
Misc Info :
Comment :
Method : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:07 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 70 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.456	5.458	-0.002	3361	0.02000	0.01924	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.148	16.151	-0.003	10195	0.04000	0.04030	80.00- 120.00	100.00

EPA SAMPLE NO.

AIBLKS6(2)

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: PIBLK 200-60364/21

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 5253CHASOM21.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) Date Extracted:

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

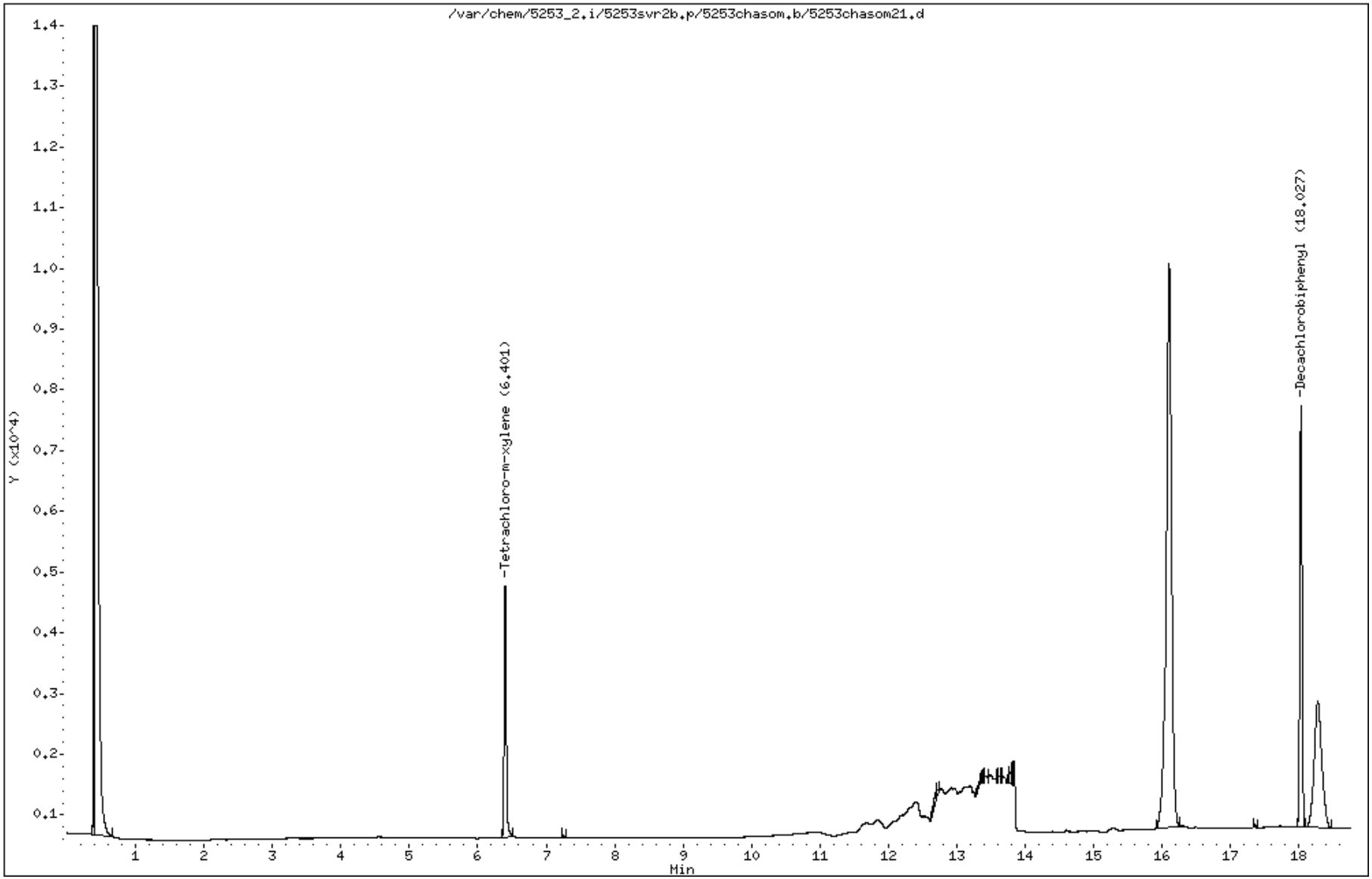
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

Acid Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom21.d
Date : 14-AUG-2013 18:17
Client ID: AIBLKS6
Instrument: 5253_2.i
Sample Info: PIBLK-521198,1,AIBLKS6
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom21.d
Lab Smp Id: PIBLK-521198 Client Smp ID: AIBLKS6
Inj Date : 14-AUG-2013 18:17
Operator : MMS Inst ID: 5253_2.i
Smp Info : PIBLK-521198,1,AIBLKS6
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 70 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
==	======	========	========	=======	=======	============		=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
6.401	6.402	-0.001	4146	0.02000	0.01919	80.00- 120.00		100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
18.027	18.032	-0.005	6944	0.04000	0.03843	80.00- 120.00		100.00

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: LCS 200-59239/2-C

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 5253CHASOM08.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	38	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	39	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

Lab Name: TESTAMERICA BURLINGTON Contract:

Lab Code: Case No.: Mod. Ref No.: SDG No.: 200-17642-1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: LCS 200-59239/2-C

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 5253CHASOM08.D

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 08/01/2013

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/14/2013

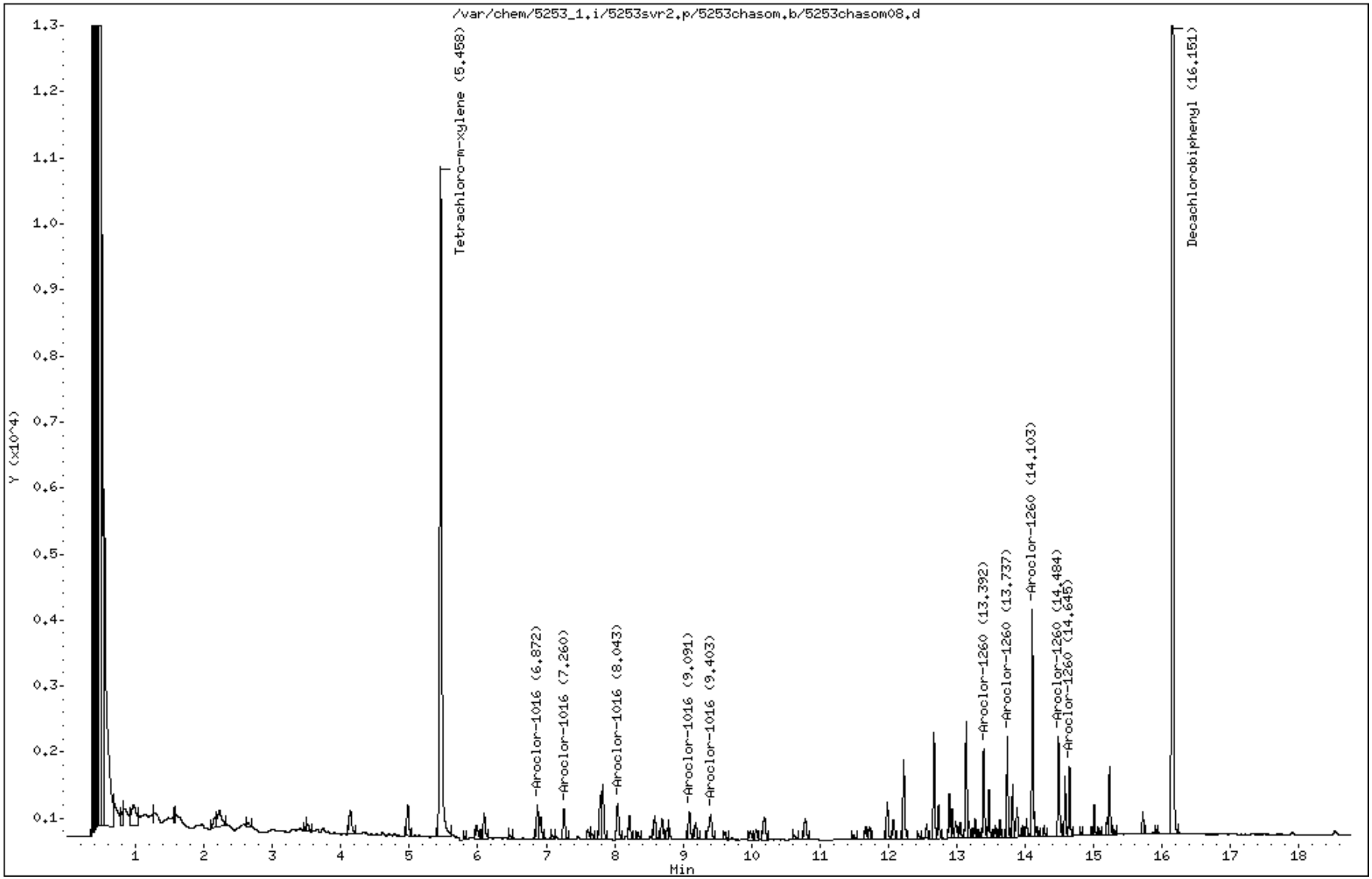
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	34	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	38	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

Data File: /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom08.d
Date : 14-AUG-2013 12:57
Client ID: ALCSI3
Instrument: 5253_1.i
Sample Info: LCS 200-59239/2-C
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-5
Column diameter: 0.25



Data File: 5253chasom08.d
Report Date: 27-Aug-2013 17:07

TestAmerica Burlington

Data file : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/5253chasom08.d
Lab Smp Id: LCS 200-59239/2-C Client Smp ID: ALCSI3
Inj Date : 14-AUG-2013 12:57
Operator : MMS Inst ID: 5253_1.i
Smp Info : LCS 200-59239/2-C
Misc Info :
Comment   :
Method   : /var/chem/5253_1.i/5253svr2.p/5253chasom.b/SOM01PCB_RTX5.m
Meth Date : 27-Aug-2013 17:01 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 57 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.458	5.458	0.000	10139	0.05803	0.05803	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
6.871	6.870	0.001	511	0.11521	0.1152	80.00- 120.00	100.00(M)
7.258	7.260	-0.002	461	0.11155	0.1116	242.86- 282.86	90.22
8.042	8.041	0.001	554	0.10801	0.1080	231.90- 271.90	108.41
9.091	9.090	0.001	430	0.11637	0.1164	98.24- 138.24	84.15
9.402	9.401	0.001	375	0.11163	0.1116	94.08- 134.08	73.39
Average of Peak Concentrations =					0.1126		
8 Aroclor-1260					CAS #: 11096-82-5		
13.392	13.391	0.001	1352	0.11401	0.1140	80.00- 120.00	100.00
13.737	13.739	-0.002	1532	0.11595	0.1159	92.64- 132.64	113.31
14.103	14.104	-0.001	3437	0.11348	0.1135	69.99- 109.99	254.22
14.484	14.488	-0.004	1499	0.11228	0.1123	115.64- 155.64	110.87
14.645	14.649	-0.004	1055	0.11964	0.1196	57.50- 97.50	78.03
Average of Peak Concentrations =					0.1151		

Data File: 5253chasom08.d
Report Date: 27-Aug-2013 17:07

				CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
16.151	16.151	0.000	31524	0.12462	0.1246	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

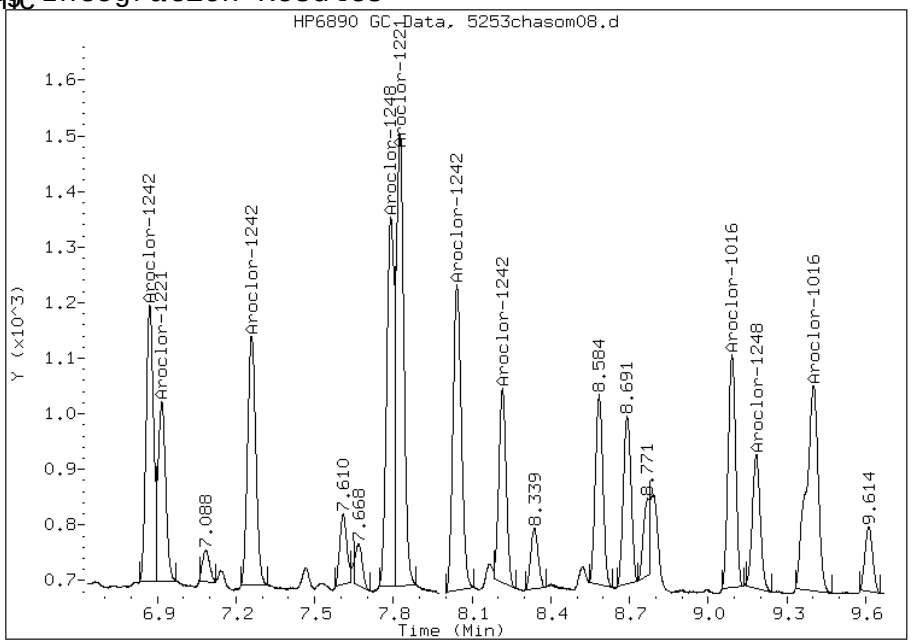
Manual Integration Report

Data File: 5253chasom08.d
Lab Sample ID: LCS 200-59239/2-C
Inj. Date and Time: 14-AUG-2013 12:57
Instrument ID: 5253_1.i
Client ID: ALCSI3
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
6.87	496*	0.11
7.26	447*	0.11
8.04	550*	0.11
9.09	420*	0.11
9.40	370*	0.11

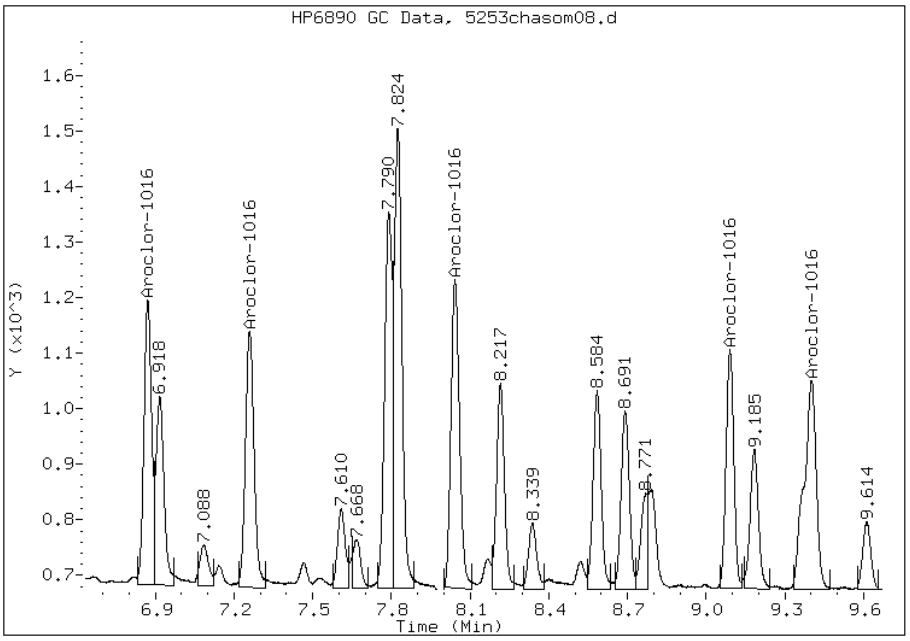
Final Conc		0.11



Manual Integration Results

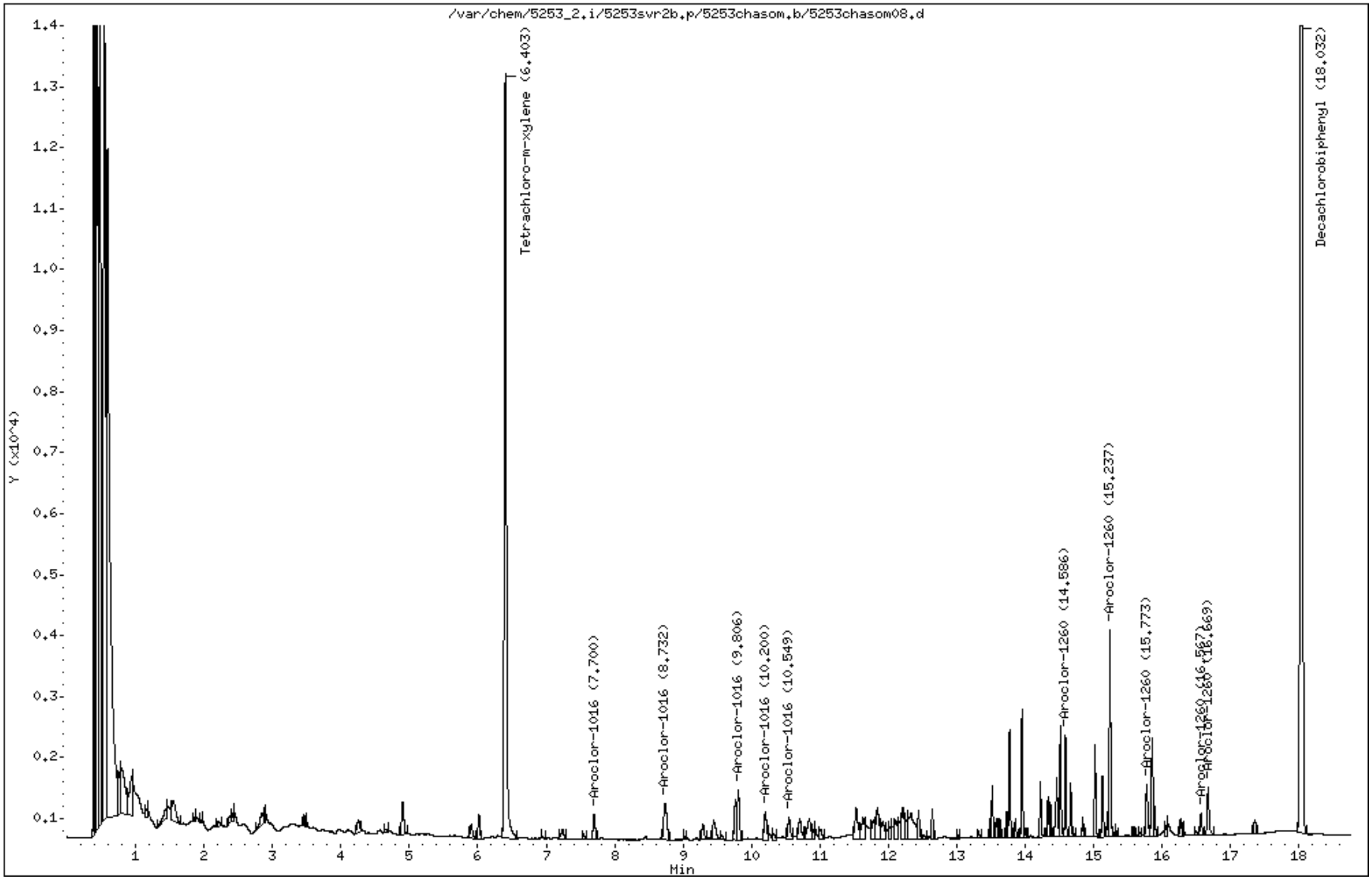
RT	Response	Conc
6.87	511*	0.12
7.26	461*	0.11
8.04	554*	0.11
9.09	430*	0.12
9.40	375*	0.11

Final Conc		0.11



File Uploaded By: jsw
Manual Integration Reason: Baseline event

Data File: /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom08.d
Date : 14-AUG-2013 12:57
Client ID: ALCSI3
Instrument: 5253_2.i
Sample Info: LCS 200-59239/2-C
Volume Injected (uL): 1.0
Operator: MMS
Column phase: RTX-35
Column diameter: 0.25



TestAmerica Burlington

Data file : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/5253chasom08.d
Lab Smp Id: LCS 200-59239/2-C Client Smp ID: ALCSI3
Inj Date : 14-AUG-2013 12:57
Operator : MMS Inst ID: 5253_2.i
Smp Info : LCS 200-59239/2-C
Misc Info :
Comment :
Method : /var/chem/5253_2.i/5253svr2b.p/5253chasom.b/SOM01PCB_RTX35.m
Meth Date : 27-Aug-2013 16:21 jsw Quant Type: ESTD
Cal Date : 14-AUG-2013 07:37 Cal File: 5253chsom44.d
Als bottle: 57 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable
Vi 1.00000 Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.403	6.402	0.001	12539	0.05804	0.05804	80.00- 120.00	100.00
5 Aroclor-1016					CAS #: 12674-11-2		
7.700	7.700	0.000	403	0.10925	0.1093	80.00- 120.00	100.00(M)
8.732	8.731	0.001	594	0.10773	0.1077	242.86- 282.86	147.39
9.806	9.809	-0.003	827	0.09199	0.09199	231.90- 271.90	205.21
10.199	10.200	-0.001	466	0.09708	0.09708	98.24- 138.24	115.63
10.547	10.549	-0.002	360	0.09622	0.09622	94.08- 134.08	89.33
Average of Peak Concentrations =					0.1005		
8 Aroclor-1260					CAS #: 11096-82-5		
14.586	14.589	-0.003	1656	0.11281	0.1128	80.00- 120.00	100.00(M)
15.236	15.239	-0.003	3394	0.10256	0.1026	92.64- 132.64	204.95
15.773	15.771	0.002	845	0.11574	0.1157	69.99- 109.99	51.03
16.567	16.569	-0.002	358	0.11960	0.1196	115.64- 155.64	21.62
16.669	16.670	-0.001	785	0.11297	0.1130	57.50- 97.50	47.40
Average of Peak Concentrations =					0.1127		

				CONCENTRATIONS ON-COL (ng)	FINAL (ng)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
18.032	18.032	0.000	21888	0.12113	0.1211	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

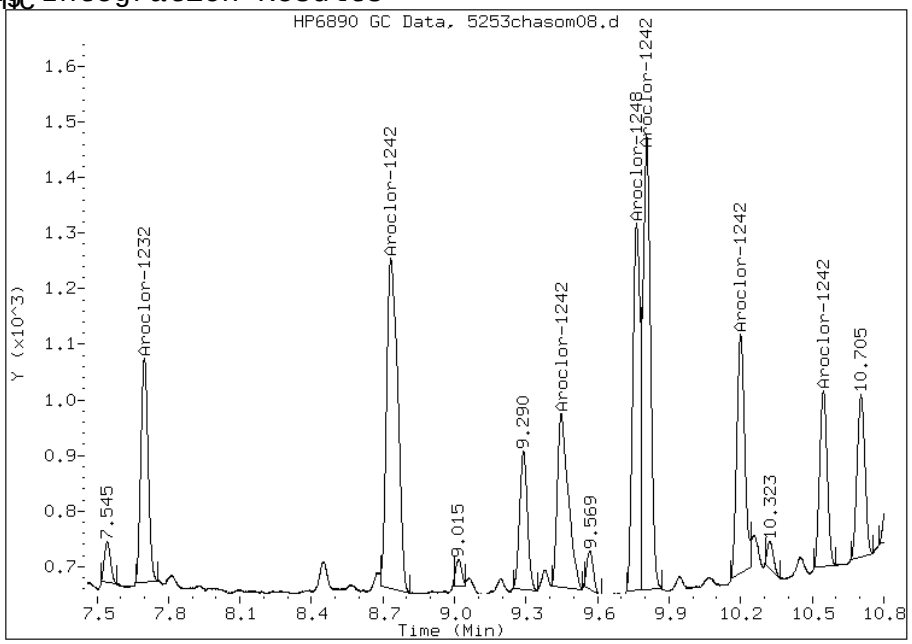
Manual Integration Report

Data File: 5253chasom08.d
Lab Sample ID: LCS 200-59239/2-C
Inj. Date and Time: 14-AUG-2013 12:57
Instrument ID: 5253_2.i
Client ID: ALCSI3
Compound: 5 Aroclor-1016
CAS #: 12674-11-2
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
7.70	403	0.11
8.73	594	0.11
9.81	818*	0.09
10.20	431*	0.09
10.55	316*	0.08

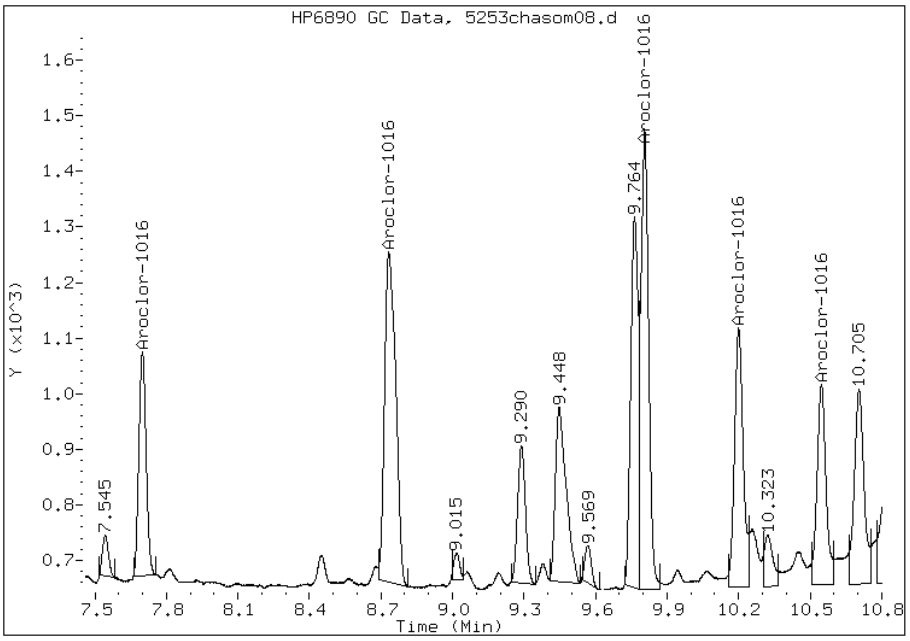
Final Conc		0.10



Manual Integration Results

RT	Response	Conc
7.70	403	0.11
8.73	594	0.11
9.81	827*	0.09
10.20	466*	0.10
10.55	360*	0.10

Final Conc		0.10



File Uploaded By: jsw
Manual Integration Reason: Baseline event

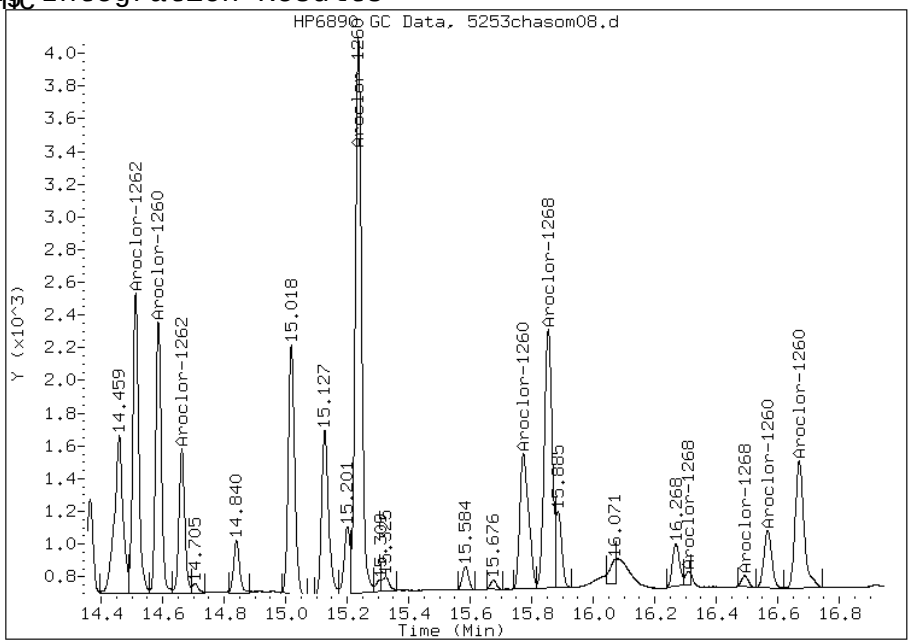
Manual Integration Report

Data File: 5253chasom08.d
Lab Sample ID: LCS 200-59239/2-C
Inj. Date and Time: 14-AUG-2013 12:57
Instrument ID: 5253_2.i
Client ID: ALCSI3
Compound: 8 Aroclor-1260
CAS #: 11096-82-5
Report Date: 08/27/2013

Processing Integration Results

RT	Response	Conc
14.59	1656	0.11
15.24	3395*	0.10
15.77	830*	0.11
16.57	349*	0.12
16.67	778*	0.11

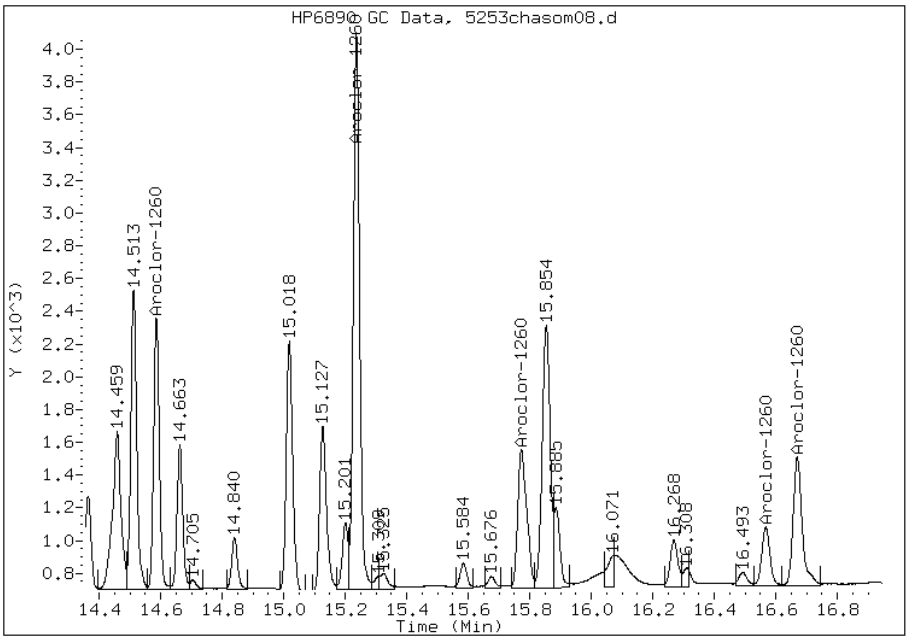
Final Conc		0.11



Manual Integration Results

RT	Response	Conc
14.59	1656	0.11
15.24	3394*	0.10
15.77	845*	0.12
16.57	358*	0.12
16.67	785*	0.11

Final Conc		0.11



File Uploaded By: jsw
Manual Integration Reason: Baseline event

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 58981 Batch Start Date: 07/26/13 10:53 Batch Analyst: Archer, Nicholas E

Batch Method: SOM01.2/VOA_PR Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
200-17642-B-2	TS003 (072413)	SOM01.2/VOA_PR, SOM01.2/VOA	T	+031.253 g	36.94 g	5.687 g	5 mL		
200-17642-C-2	TS003 (072413)	SOM01.2/VOA_PR, SOM01.2/VOA	T	+030.891 g	36.75 g	5.859 g	5 mL		
200-17642-B-3	TS004 (072413)	SOM01.2/VOA_PR, SOM01.2/VOA	T	+031.347 g	37.33 g	5.983 g	5 mL		
200-17642-A-7	VHBLKLS	SOM01.2/VOA_PR, SOM01.2/VOA	T	+031.133 g	36.133 g	5 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: N.i Analysis Batch Number: 59123

Lab Sample ID: IC 200-59123/7 Client Sample ID:

Date Analyzed: 07/30/13 01:22 Lab File ID: nid07.d GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	3.14	Poor chromatography	jd1	07/30/13 09:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: N.i Analysis Batch Number: 59289

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 07/30/13 14:09 Lab File ID: nida07.d GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	4.66	Poor chromatography	jd1	08/02/13 14:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: N.i Analysis Batch Number: 59290

Lab Sample ID: MB 200-59290/10 Client Sample ID:

Date Analyzed: 07/31/13 11:34 Lab File ID: nhyw04.d GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.69	Poor chromatography	jd1	07/31/13 13:04

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59243 Batch Start Date: 08/01/13 13:44 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 23:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	pHInitialWT	pHFinalVol	Initial pH	InitialAmount	FinalAmount	MeasuredAmt
MB 200-59243/1	SBLKQ7	SONC, SOM01.2/GPC, SOM01.2/SV		9.97 g	10 mL	6.33 SU	30.13 g	10000 uL	100 uL
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/GPC, SOM01.2/SV	T	10.01 g	10 mL	7.22 SU	30.45 g	10000 uL	100 uL
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/GPC, SOM01.2/SV	T	10.09 g	10 mL	7.71 SU	30.78 g	10000 uL	100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	ResDishWt	DissSolids	EXSOMDMCSus 00035	EXSOMSIMSUi 00020	AnalysisComment
MB 200-59243/1	SBLKQ7	SONC, SOM01.2/GPC, SOM01.2/SV		0.9876 g	0.9876 g	0 mg/mL	0.5 mL	0.5 mL	SBLKQ7
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/GPC, SOM01.2/SV	T	1.0150 g	1.0153 g	3 mg/mL	0.5 mL	0.5 mL	
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/GPC, SOM01.2/SV	T	1.0035 g	1.0044 g	9 mg/mL	0.5 mL	0.5 mL	

Batch Notes	
Balance ID	M20915
Batch Comment	SBLKQ7
Concentration End Time	2300
Concentration Start Time	1420
Person's name who did the concentration	PGB
Na2SO4 Lot Number	523801
pH Meter ID	UB5083018
Prep Solvent Lot #	531317/528673
Prep Solvent Name	MECL2ACETONE
Prep Solvent Volume Used	300
Person's name who witnessed reagent drop	spiked by MLT witnessed by PGB

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59243 Batch Start Date: 08/01/13 13:44 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 23:44

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59451 Batch Start Date: 08/07/13 10:07 Batch Analyst: Tice, Melissa L.

Batch Method: SOM01.2/GPC Batch End Date: 08/07/13 16:23

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GPCFactor			
MB 200-59243/1-A	SBLKQ7	SOM01.2/GPC, SOM01.2/SV		10 mL	500 uL	2			
200-17642-F-2-C	TS003 (072413)	SOM01.2/GPC, SOM01.2/SV	T	10 mL	500 uL	2			
200-17642-D-3-C	TS004 (072413)	SOM01.2/GPC, SOM01.2/SV	T	10 mL	500 uL	2			

Batch Notes	
Batch Comment	GPCJ 501-0805

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: R.i Analysis Batch Number: 59785

Lab Sample ID: IC 200-59785/2 Client Sample ID:

Date Analyzed: 08/13/13 13:32 Lab File ID: rla03.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane-d8	2.30	Not specified	djb	08/13/13 14:29
1,4-Dioxane	2.36	Baseline event	djb	08/13/13 14:29
Naphthalene-d8	8.45	Baseline event		

Lab Sample ID: IC 200-59785/3 Client Sample ID:

Date Analyzed: 08/13/13 14:44 Lab File ID: rla05.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyrene	14.90	Analyte not identified by the data system	djb	08/13/13 16:28

Lab Sample ID: IC 200-59785/5 Client Sample ID:

Date Analyzed: 08/13/13 15:56 Lab File ID: rla07.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,6-Dinitro-2-methylphenol	11.81	Baseline event		

Lab Sample ID: IC 200-59785/6 Client Sample ID:

Date Analyzed: 08/13/13 16:32 Lab File ID: rla08.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane-d8	2.35	Baseline event	djb	08/13/13 17:24
1,4-Dioxane	2.41	Baseline event	djb	08/13/13 17:24
Caprolactam	9.00	Baseline event	djb	08/13/13 17:24
4,6-Dinitro-2-methylphenol	11.81	Baseline event		

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: R.i Analysis Batch Number: 60157

Lab Sample ID: CCVIS 200-60157/2 Client Sample ID:

Date Analyzed: 08/22/13 08:16 Lab File ID: rlaax02.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrotoluene	10.59	Baseline event	djb	08/23/13 09:05
4,6-Dinitro-2-methylphenol	11.13	Baseline event	djb	08/22/13 09:05
Benzo(g,h,i)perylene	19.21	Baseline event	djb	08/22/13 09:06

Lab Sample ID: 200-17642-2 RA Client Sample ID: TS003 (072413) RA

Date Analyzed: 08/22/13 11:55 Lab File ID: rlaax08.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.34	Analyte misidentified by the data system		
Pyrene	14.16	Analyte misidentified by the data system	je	08/23/13 09:12
Benzo(k)fluoranthene	17.16	Analyte misidentified by the data system	je	08/23/13 09:12

Lab Sample ID: 200-17642-3 RA Client Sample ID: TS004 (072413) RA

Date Analyzed: 08/22/13 12:31 Lab File ID: rlaax09.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzaldehyde	5.27	Analyte not identified by the data system	je	08/23/13 09:13
Pyrene	14.17	Analyte misidentified by the data system	je	08/23/13 09:15
Benzo(k)fluoranthene	17.16	Analyte misidentified by the data system	je	08/23/13 09:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: R.i Analysis Batch Number: 60157

Lab Sample ID: CCVC 200-60157/10 Client Sample ID:

Date Analyzed: 08/22/13 14:56 Lab File ID: rlaax13.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene	10.05	Analyte not identified by the data system	je	08/26/13 11:59

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: R.i Analysis Batch Number: 60283

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 08/21/13 17:06 Lab File ID: rlaau14.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyrene	14.22	Analyte misidentified by the data system	je	08/26/13 14:44
Benzo(b)fluoranthene	17.19	Split peak	je	08/26/13 14:44
Benzo(k)fluoranthene	17.21	Not specified	je	08/26/13 14:44

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 08/21/13 17:41 Lab File ID: rlaau15.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	7.82	Analyte misidentified by the data system		
Pyrene	14.22	Analyte misidentified by the data system	je	08/26/13 14:46
Benzo(b)fluoranthene	17.19	Split peak		
Benzo(k)fluoranthene	17.21	Analyte misidentified by the data system	je	08/26/13 14:47
Benzo(g,h,i)perylene	19.27	Not specified	je	08/26/13 14:48

Lab Sample ID: CCVC 200-60283/9 Client Sample ID:

Date Analyzed: 08/21/13 18:17 Lab File ID: rlaau16.d GC Column: Rxi-5ms ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyrene	14.22	Analyte misidentified by the data system	je	08/26/13 14:50

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 52566 Batch Start Date: 03/04/13 17:41 Batch Analyst: Bourdeau, Timothy P

Batch Method: SOM01.2/FLCU Batch End Date: 03/04/13 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX245TCPSPi 00015	Florisil_S 00012	GCSOMPESTL3w 00015	
FLORIS 200-52566/1		SOM01.2/FLCU , SOM01.2/Pest		1000 uL	1000 uL	0.5 mL	1 Count	0.5 mL	

Batch Notes	
Florisil Lot #	906011-BS

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59240 Batch Start Date: 08/01/13 13:34 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 23:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	pHInitialWT	pHFinalVol	Initial pH	InitialAmount	FinalAmount	MeasuredAmt
MB 200-59240/1	PBLKX7	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		9.97 g	10 mL	6.33 SU	29.38 g	10000 uL	100 uL
LCS 200-59240/2	PLCSX7	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		9.97 g	10 mL	6.33 SU	29.29 g	10000 uL	100 uL
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	10.01 g	10 mL	7.22 SU	30.58 g	10000 uL	100 uL
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	10.09 g	10 mL	7.71 SU	30.61 g	10000 uL	100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	ResDishWt	DissSolids	EXSOMLCSSPi 00055	EXSOMPPCBSUi 00032	AnalysisComment
MB 200-59240/1	PBLKX7	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		0.9876 g	0.9876 g	0 mg/mL		3 mL	PBLKX7

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59240 Batch Start Date: 08/01/13 13:34 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 23:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	ResDishWt	DissSolids	EXSOMLCSSPi 00055	EXSOMPPCBSUi 00032	AnalysisComment
LCS 200-59240/2	PLCSX7	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		1.0023 g	1.0023 g	0 mg/mL	1 mL	3 mL	PLCSX7
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	1.0150 g	1.0153 g	3 mg/mL		3 mL	
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	1.0035 g	1.0044 g	9 mg/mL		3 mL	

Batch Notes	
Balance ID	M20915
Batch Comment	PBLKX7
Concentration End Time	2300
Concentration Start Time	1420
Person's name who did the concentration	PGB
Na2SO4 Lot Number	523801
pH Meter ID	UB5083018
Prep Solvent Lot #	531317/528673
Prep Solvent Name	MeCl2/Acetone
Prep Solvent Volume Used	300
Person's name who witnessed reagent drop	PGB spiked by MLT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59240 Batch Start Date: 08/01/13 13:34 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 23:43

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59362 Batch Start Date: 08/06/13 00:31 Batch Analyst: Bourdeau, Timothy P

Batch Method: SOM01.2/GPC Batch End Date: 08/06/13 00:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GPCFactor	EXGPCCCVSPw 00126	AnalysisComment	
GPCCK 200-59362/3		SOM01.2/GPC, SOM01.2/Pest		5000 uL	10000 uL	2	5000 uL	SOM PEST MTX CCV	

Batch Notes	
Batch Comment	GPCI 502-0805

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59447 Batch Start Date: 08/07/13 09:48 Batch Analyst: Tice, Melissa L.

Batch Method: SOM01.2/GPC Batch End Date: 08/08/13 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GPCFactor			
MB 200-59240/1-A	PBLKX7	SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		10 mL	5000 uL	2			
LCS 200-59240/2-A	PLCSX7	SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		10 mL	5000 uL	2			
200-17642-F-2-B	TS003 (072413)	SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	10 mL	5000 uL	2			
200-17642-D-3-B	TS004 (072413)	SOM01.2/GPC, SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	10 mL	5000 uL	2			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59545 Batch Start Date: 08/08/13 11:50 Batch Analyst: Nye, Elizabeth A

Batch Method: SOM01.2/FLCU Batch End Date: 08/08/13 12:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Florisil_S 00012	AnalysisComment		
MB 200-59240/1-B	PBLKX7	SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		1 mL	1000 uL	1 Count	PBLKX7		
LCS 200-59240/2-B	PLCSX7	SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest		1 mL	1000 uL	1 Count	PLCSX7		
200-17642-F-2-F	TS003 (072413)	SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	1 mL	1000 uL	1 Count			
200-17642-D-3-F	TS004 (072413)	SOM01.2/FLCU, SOM01.2/SulfurC, SOM01.2/Pest	T	1 mL	1000 uL	1 Count			

Batch Notes	
Florisil Lot #	466135

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59546 Batch Start Date: 08/08/13 12:25 Batch Analyst: Nye, Elizabeth A

Batch Method: SOM01.2/SulfurC Batch End Date: 08/08/13 12:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXCOPPERACT 00036	AnalysisComment		
MB 200-59240/1-C	PBLKX7	SOM01.2/SulfurC, SOM01.2/Pest		1 mL	1000 uL	0.25 g	PBLKX7		
LCS 200-59240/2-C	PLCSX7	SOM01.2/SulfurC, SOM01.2/Pest		1 mL	1000 uL	0.25 g	PLCSX7		
200-17642-F-2-H	TS003 (072413)	SOM01.2/SulfurC, SOM01.2/Pest	T	1 mL	1000 uL	0.25 g			
200-17642-D-3-H	TS004 (072413)	SOM01.2/SulfurC, SOM01.2/Pest	T	1 mL	1000 uL	0.25 g			

Batch Notes	
Copper Lot #	537329

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 52735

Lab Sample ID: PIBLK 200-52735/1 Client Sample ID:

Date Analyzed: 03/05/13 16:38 Lab File ID: 5005aesom03.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	8.38	Analyte misidentified by the data system	ktl	03/06/13 09:16
Endrin aldehyde	10.80	Analyte misidentified by the data system	ktl	03/06/13 09:17

Lab Sample ID: IC 200-52735/4 Client Sample ID:

Date Analyzed: 03/05/13 17:46 Lab File ID: 5005aesom06.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	10.12	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 2	10.75	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 3	11.42	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 4	11.52	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 5	12.10	Baseline event	ktl	03/06/13 09:07

Lab Sample ID: IC 200-52735/5 Client Sample ID:

Date Analyzed: 03/05/13 18:09 Lab File ID: 5005aesom07.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	10.12	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 2	10.75	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 3	11.42	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 4	11.52	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 5	12.10	Baseline event	ktl	03/06/13 09:07

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 52735

Lab Sample ID: IC 200-52735/6 Client Sample ID:

Date Analyzed: 03/05/13 18:32 Lab File ID: 5005aesom08.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	10.12	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 2	10.75	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 3	11.42	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 4	11.52	Baseline event	ktl	03/06/13 09:07
Toxaphene Peak 5	12.10	Baseline event	ktl	03/06/13 09:07
Decachlorobiphenyl	14.11	Baseline event	ktl	03/06/13 09:07

Lab Sample ID: IC 200-52735/7 Client Sample ID:

Date Analyzed: 03/05/13 18:55 Lab File ID: 5005aesom09.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	10.12	Baseline event	ktl	03/06/13 09:08
Toxaphene Peak 2	10.75	Baseline event	ktl	03/06/13 09:08
Toxaphene Peak 3	11.42	Baseline event	ktl	03/06/13 09:08
Toxaphene Peak 4	11.52	Baseline event	ktl	03/06/13 09:08
Toxaphene Peak 5	12.10	Baseline event	ktl	03/06/13 09:08
Decachlorobiphenyl	14.11	Baseline event	ktl	03/06/13 09:08

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 52735

Lab Sample ID: PIBLK 200-52735/14 Client Sample ID:

Date Analyzed: 03/05/13 21:35 Lab File ID: 5005aesom16.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
delta-BHC	6.68	Analyte misidentified by the data system	ktl	03/06/13 09:18
gamma-Chlordane	8.37	Analyte misidentified by the data system	ktl	03/06/13 09:19
Endrin ketone	12.14	Peak not found by the data system	ktl	03/06/13 09:20

Lab Sample ID: PIBLK 200-52735/19 Client Sample ID:

Date Analyzed: 03/05/13 23:29 Lab File ID: 5005aeasom03.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	8.37	Analyte misidentified by the data system	ktl	03/06/13 09:27
Endrin aldehyde	10.80	Analyte misidentified by the data system	ktl	03/06/13 09:28

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 59959

Lab Sample ID: IC 200-59959/6 Client Sample ID:

Date Analyzed: 08/16/13 19:23 Lab File ID: 5005assom06.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.81	Baseline event	lmt	08/19/13 13:10
Toxaphene Peak 2	10.43	Baseline event	lmt	08/19/13 13:10
Toxaphene Peak 3	11.09	Baseline event	lmt	08/19/13 13:10
Toxaphene Peak 4	11.77	Baseline event	lmt	08/19/13 13:10
Toxaphene Peak 5	12.07	Baseline event	lmt	08/19/13 13:10

Lab Sample ID: IC 200-59959/7 Client Sample ID:

Date Analyzed: 08/16/13 19:46 Lab File ID: 5005assom07.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 2	10.43	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 3	11.09	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 4	11.77	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 5	12.07	Baseline event	lmt	08/19/13 13:11
Decachlorobiphenyl	13.80	Baseline event	lmt	08/19/13 13:11

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 59959

Lab Sample ID: IC 200-59959/8 Client Sample ID:

Date Analyzed: 08/16/13 20:08 Lab File ID: 5005assom08.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 2	10.43	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 3	11.09	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 4	11.77	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 5	12.07	Baseline event	lmt	08/19/13 13:11
Decachlorobiphenyl	13.80	Baseline event	lmt	08/19/13 13:11

Lab Sample ID: IC 200-59959/9 Client Sample ID:

Date Analyzed: 08/16/13 20:31 Lab File ID: 5005assom09.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.81	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 2	10.43	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 3	11.09	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 4	11.77	Baseline event	lmt	08/19/13 13:11
Toxaphene Peak 5	12.07	Baseline event	lmt	08/19/13 13:11
Decachlorobiphenyl	13.80	Baseline event	lmt	08/19/13 13:11

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 59959

Lab Sample ID: IC 200-59959/10 Client Sample ID:

Date Analyzed: 08/16/13 20:54 Lab File ID: 5005assom10.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	lmt	08/19/13 13:12
Toxaphene Peak 2	10.43	Baseline event	lmt	08/19/13 13:12
Toxaphene Peak 3	11.09	Baseline event	lmt	08/19/13 13:12
Toxaphene Peak 4	11.77	Baseline event	lmt	08/19/13 13:12
Toxaphene Peak 5	12.07	Baseline event	lmt	08/19/13 13:12
Decachlorobiphenyl	13.80	Baseline event	lmt	08/19/13 13:12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60388

Lab Sample ID: IC 200-60388/4 Client Sample ID:

Date Analyzed: 08/25/13 19:11 Lab File ID: 5005atsom06.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 2	10.43	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 3	11.09	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 4	11.77	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 5	12.07	Baseline event	rrm	08/26/13 08:20

Lab Sample ID: IC 200-60388/4 Client Sample ID:

Date Analyzed: 08/25/13 19:11 Lab File ID: 5005atsom06.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	7.91	Baseline event	rrm	08/26/13 09:23
Toxaphene Peak 2	8.80	Baseline event	rrm	08/26/13 09:23
Toxaphene Peak 3	8.86	Baseline event	rrm	08/26/13 09:23
Toxaphene Peak 4	9.17	Baseline event	rrm	08/26/13 09:23
Toxaphene Peak 5	9.45	Baseline event	rrm	08/26/13 09:23

Lab Sample ID: IC 200-60388/5 Client Sample ID:

Date Analyzed: 08/25/13 19:34 Lab File ID: 5005atsom07.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 2	10.43	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 3	11.09	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 4	11.77	Baseline event	rrm	08/26/13 08:20
Toxaphene Peak 5	12.07	Baseline event	rrm	08/26/13 08:20

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60388

Lab Sample ID: IC 200-60388/5 Client Sample ID:

Date Analyzed: 08/25/13 19:34 Lab File ID: 5005atsom07.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	7.91	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 2	8.80	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 3	8.87	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 4	9.18	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 5	9.45	Baseline event	rrm	08/26/13 09:24

Lab Sample ID: IC 200-60388/6 Client Sample ID:

Date Analyzed: 08/25/13 19:56 Lab File ID: 5005atsom08.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 2	10.43	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 3	11.09	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 4	11.77	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 5	12.07	Baseline event	rrm	08/26/13 08:24

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60388

Lab Sample ID: IC 200-60388/7 Client Sample ID:

Date Analyzed: 08/25/13 20:19 Lab File ID: 5005atsom09.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.80	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 2	10.43	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 3	11.09	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 4	11.77	Baseline event	rrm	08/26/13 08:24
Toxaphene Peak 5	12.07	Baseline event	rrm	08/26/13 08:24
Decachlorobiphenyl	13.80	Baseline event	rrm	08/26/13 08:24

Lab Sample ID: IC 200-60388/8 Client Sample ID:

Date Analyzed: 08/25/13 20:42 Lab File ID: 5005atsom10.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	7.91	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 2	8.80	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 3	8.87	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 4	9.18	Baseline event	rrm	08/26/13 09:24
Toxaphene Peak 5	9.45	Baseline event	rrm	08/26/13 09:24
Decachlorobiphenyl	13.24	Baseline event	rrm	08/26/13 09:24

Lab Sample ID: IC 200-60388/9 Client Sample ID:

Date Analyzed: 08/25/13 21:04 Lab File ID: 5005atsom11.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Heptachlor epoxide	7.06	Baseline event	rrm	08/26/13 09:25
gamma-Chlordane	7.30	Baseline event	rrm	08/26/13 09:25
alpha-Chlordane	7.49	Baseline event	rrm	08/26/13 09:25
Endosulfan I	7.56	Baseline event	rrm	08/26/13 09:25

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: PIBLK 200-60479/1 Client Sample ID:

Date Analyzed: 08/28/13 08:55 Lab File ID: 5005atdsom02.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
delta-BHC	6.04	Baseline event	rrm	08/29/13 10:44
Heptachlor	6.06	Baseline event	rrm	08/29/13 10:44

Lab Sample ID: MB 200-59240/1-D Client Sample ID:

Date Analyzed: 08/28/13 09:40 Lab File ID: 5005atdsom04.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aldrin	7.07	Baseline event	rrm	08/29/13 10:47

Lab Sample ID: MB 200-59240/1-D Client Sample ID:

Date Analyzed: 08/28/13 09:40 Lab File ID: 5005atdsom04.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Heptachlor	6.04	Baseline event	rrm	08/29/13 10:46
Aldrin	6.37	Baseline event	rrm	08/29/13 10:46

Lab Sample ID: LCS 200-59240/2-D Client Sample ID:

Date Analyzed: 08/28/13 10:02 Lab File ID: 5005atdsom05.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	5.78	Baseline event	rrm	08/29/13 10:52
gamma-BHC (Lindane)	6.16	Baseline event	rrm	08/29/13 10:52
beta-BHC	6.25	Baseline event	rrm	08/29/13 10:52

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: LCS 200-59240/2-D Client Sample ID:

Date Analyzed: 08/28/13 10:02 Lab File ID: 5005atdsom05.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	5.19	Baseline event	rrm	08/29/13 10:51
gamma-BHC (Lindane)	5.60	Baseline event	rrm	08/29/13 10:51
beta-BHC	5.70	Baseline event	rrm	08/29/13 10:51

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 08/28/13 10:25 Lab File ID: 5005atdsom06.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	5.07	Baseline event	rrm	08/29/13 10:56
alpha-BHC	5.78	Baseline event	rrm	08/29/13 10:56
Heptachlor	6.74	Baseline event	rrm	08/29/13 10:56
Heptachlor epoxide	7.95	Baseline event	rrm	08/29/13 10:57
gamma-Chlordane	8.13	Baseline event	rrm	08/29/13 10:57
alpha-Chlordane	8.33	Baseline event	rrm	08/29/13 10:57
4,4'-DDE	8.46	Baseline event	rrm	08/29/13 10:57
Endosulfan I	8.55	Baseline event	rrm	08/29/13 10:57
Dieldrin	8.92	Baseline event	rrm	08/29/13 10:57
4,4'-DDD	9.44	Baseline event	rrm	08/29/13 10:57
Endosulfan II	9.71	Baseline event	rrm	08/29/13 10:57
4,4'-DDT	9.94	Baseline event	rrm	08/29/13 10:57
Endrin aldehyde	10.42	Baseline event	rrm	08/29/13 10:57
Endosulfan sulfate	11.29	Baseline event	rrm	08/29/13 10:57
Endrin ketone	11.82	Baseline event	rrm	08/29/13 10:57

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 08/28/13 10:25 Lab File ID: 5005atdsom06.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	7.30	Baseline event	rrm	08/29/13 10:56
alpha-Chlordane	7.49	Baseline event	rrm	08/29/13 10:56
Endosulfan I	7.58	Baseline event	rrm	08/29/13 10:56
4,4'-DDE	7.76	Baseline event	rrm	08/29/13 10:56
Dieldrin	7.94	Baseline event	rrm	08/29/13 10:56
4,4'-DDD	8.63	Baseline event	rrm	08/29/13 10:56
Endosulfan II	8.68	Baseline event	rrm	08/29/13 10:56
4,4'-DDT	9.14	Baseline event	rrm	08/29/13 10:56
Endrin aldehyde	9.30	Baseline event	rrm	08/29/13 10:56
Endosulfan sulfate	9.81	Baseline event	rrm	08/29/13 10:55
Endrin ketone	10.75	Baseline event	rrm	08/29/13 10:55

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 08/28/13 10:48 Lab File ID: 5005atdsom07.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	5.07	Baseline event	rrm	08/29/13 11:01
delta-BHC	6.49	Baseline event	rrm	08/29/13 11:01
Heptachlor	6.76	Baseline event	rrm	08/29/13 11:18
Heptachlor epoxide	7.95	Baseline event	rrm	08/29/13 11:02
gamma-Chlordane	8.15	Baseline event	rrm	08/29/13 11:02
alpha-Chlordane	8.33	Baseline event	rrm	08/29/13 11:02
4,4'-DDE	8.45	Baseline event	rrm	08/29/13 11:02
Endosulfan I	8.52	Baseline event	rrm	08/29/13 11:02
Dieldrin	8.92	Baseline event	rrm	08/29/13 11:02
4,4'-DDD	9.44	Baseline event	rrm	08/29/13 11:02
4,4'-DDT	9.94	Baseline event	rrm	08/29/13 11:02
Endrin aldehyde	10.50	Baseline event	rrm	08/29/13 11:02
Endosulfan sulfate	11.29	Baseline event	rrm	08/29/13 11:02
Decachlorobiphenyl	13.80	Baseline event	rrm	08/29/13 11:02

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 08/28/13 10:48 Lab File ID: 5005atdsom07.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	4.40	Baseline event	rrm	08/29/13 11:04
delta-BHC	6.01	Baseline event	rrm	08/29/13 11:04
Heptachlor	6.04	Baseline event	rrm	08/29/13 11:04
Heptachlor epoxide	7.08	Baseline event	rrm	08/29/13 11:29
gamma-Chlordane	7.30	Baseline event	rrm	08/29/13 11:04
alpha-Chlordane	7.50	Baseline event	rrm	08/29/13 11:29
Endosulfan I	7.61	Baseline event	rrm	08/29/13 11:05
4,4'-DDE	7.76	Baseline event	rrm	08/29/13 11:05
Dieldrin	7.94	Baseline event	rrm	08/29/13 11:05
4,4'-DDD	8.63	Baseline event	rrm	08/29/13 11:05
4,4'-DDT	9.14	Baseline event	rrm	08/29/13 11:05
Endrin aldehyde	9.29	Baseline event	rrm	08/29/13 11:05
Endosulfan sulfate	9.81	Baseline event	rrm	08/29/13 11:05
Decachlorobiphenyl	13.24	Baseline event	rrm	08/29/13 11:05

Lab Sample ID: CCV 200-60479/9 Client Sample ID:

Date Analyzed: 08/28/13 15:30 Lab File ID: 5005atdsom10.d GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	9.81	Baseline event	rrm	08/29/13 13:21
Toxaphene Peak 2	10.44	Baseline event	rrm	08/29/13 13:21
Toxaphene Peak 3	11.10	Baseline event	rrm	08/29/13 13:21
Toxaphene Peak 4	11.78	Baseline event	rrm	08/29/13 13:21
Toxaphene Peak 5	12.08	Baseline event	rrm	08/29/13 13:21
Decachlorobiphenyl	13.81	Baseline event	rrm	08/29/13 13:21

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5005.i Analysis Batch Number: 60479

Lab Sample ID: CCV 200-60479/9 Client Sample ID:

Date Analyzed: 08/28/13 15:30 Lab File ID: 5005atdsom10.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline event		
Toxaphene Peak 1	7.91	Baseline event	rrm	08/28/13 18:30
Toxaphene Peak 2	8.80	Baseline event	rrm	08/28/13 18:30
Toxaphene Peak 3	8.86	Baseline event	rrm	08/28/13 18:30
Toxaphene Peak 4	9.17	Baseline event	rrm	08/28/13 18:30
Toxaphene Peak 5	9.45	Baseline event	rrm	08/28/13 18:30
Decachlorobiphenyl	13.24	Baseline event	rrm	08/28/13 18:30

Lab Sample ID: PEM 200-60479/13 Client Sample ID:

Date Analyzed: 08/28/13 19:16 Lab File ID: 5005atdsom14.d GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin aldehyde	9.31	Baseline event	rrm	08/28/13 20:41

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59239 Batch Start Date: 08/01/13 13:25 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 21:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	pHInitialWT	pHFinalVol	Initial pH	InitialAmount	FinalAmount	EX16601PPMSPi 00012
MB 200-59239/1	ABLKI3	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		9.97 g	10 mL	6.33 SU	29.30 g	10000 uL	
LCS 200-59239/2	ALCSI3	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		9.97 g	10 mL	6.33 SU	29.63 g	10000 uL	1 mL
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	10.01 g	10 mL	7.22 SU	29.23 g	10000 uL	
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	10.09 g	10 mL	7.71 SU	29.63 g	10000 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXSOMPPCBSUi 00032	AnalysisComment				
MB 200-59239/1	ABLKI3	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		3 mL	ABLKI3				
LCS 200-59239/2	ALCSI3	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		3 mL	ALCSI3				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59239 Batch Start Date: 08/01/13 13:25 Batch Analyst: Bousquet, Patrick G

Batch Method: SONC Batch End Date: 08/01/13 21:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXSOMPPCBSUi 00032	AnalysisComment				
200-17642-F-2	TS003 (072413)	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	3 mL					
200-17642-D-3	TS004 (072413)	SONC, SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	3 mL					

Batch Notes	
Balance ID	M20915
Batch Comment	ABLKI3
Concentration End Time	Not Recorded
Concentration Start Time	Not Recorded
Person's name who did the concentration	Not Recorded
Exchange Solvent Lot #	515453
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	523801
pH Meter ID	UB5083018
Prep Solvent Lot #	531317/528673
Prep Solvent Name	MeCl2/Acetone
Prep Solvent Volume Used	300
Person's name who witnessed reagent drop	PGB spiked by MLT

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59256 Batch Start Date: 08/01/13 21:58 Batch Analyst: Bourdeau, Timothy P

Batch Method: SOM01.2/SO4CU Batch End Date: 08/01/13 22:11

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXSulfuricAci 00062	AnalysisComment		
MB 200-59239/1-A	ABLKI3	SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		2000 uL	2000 uL	5 mL	ABLKI3		
LCS 200-59239/2-A	ALCSI3	SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB		2000 uL	2000 uL	5 mL	ALCSI3		
200-17642-F-2-A	TS003 (072413)	SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	2000 uL	2000 uL	5 mL			
200-17642-D-3-A	TS004 (072413)	SOM01.2/SO4CU, SOM01.2/SulfurC, SOM01.2/PCB	T	2000 uL	2000 uL	5 mL			

Batch Notes	
Batch Comment	ABLKI3
Sulfuric Acid Lot Number	536928

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Batch Number: 59257 Batch Start Date: 08/01/13 22:12 Batch Analyst: Bourdeau, Timothy P

Batch Method: SOM01.2/SulfurC Batch End Date: 08/01/13 22:21

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXCOPPERACT 00036	AnalysisComment		
MB 200-59239/1-B	ABLKI3	SOM01.2/SulfurC, SOM01.2/PCB		2000 uL	2000 uL	0.2 g	ABLKI3		
LCS 200-59239/2-B	ALCSI3	SOM01.2/SulfurC, SOM01.2/PCB		2000 uL	2000 uL	0.2 g	ALCSI3		
200-17642-F-2-D	TS003 (072413)	SOM01.2/SulfurC, SOM01.2/PCB	T	2000 uL	2000 uL	0.2 g			
200-17642-D-3-D	TS004 (072413)	SOM01.2/SulfurC, SOM01.2/PCB	T	2000 uL	2000 uL	0.5 g	Extract copper cleaned multiple times		

Batch Notes	
Batch Comment	ABLKI3
Copper Lot #	537329

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/4 Client Sample ID:

Date Analyzed: 08/13/13 15:12 Lab File ID: 5253chsom04.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1221		Analyte misidentified by the data system		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:41
PCB-1221 Peak 1	5.81	Analyte misidentified by the data system	stewartm	08/14/13 08:41
PCB-1221 Peak 2	5.99	Analyte misidentified by the data system	stewartm	08/14/13 08:41
PCB-1221 Peak 3	6.10	Analyte misidentified by the data system	stewartm	08/14/13 08:41
PCB-1221 Peak 4	6.93	Analyte misidentified by the data system	stewartm	08/14/13 08:43
PCB-1221 Peak 5	7.83	Analyte misidentified by the data system	stewartm	08/14/13 08:43

Lab Sample ID: IC 200-59793/4 Client Sample ID:

Date Analyzed: 08/13/13 15:12 Lab File ID: 5253chsom04.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1221		Baseline event		
Tetrachloro-m-xylene	6.41	Baseline event	stewartm	08/14/13 12:30
PCB-1221 Peak 1	7.22	Baseline event	stewartm	08/14/13 12:29
PCB-1221 Peak 2	7.55	Baseline event	stewartm	08/14/13 12:29
PCB-1221 Peak 3	7.70	Baseline event	stewartm	08/14/13 12:29
PCB-1221 Peak 4	7.81	Baseline event	stewartm	08/14/13 12:29
PCB-1221 Peak 5	8.75	Baseline event	stewartm	08/14/13 12:30

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/5 Client Sample ID:

Date Analyzed: 08/13/13 15:36 Lab File ID: 5253chsom05.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1221		Not specified		
Tetrachloro-m-xylene	5.46	Not specified	stewartm	08/14/13 08:44
PCB-1221 Peak 1	5.81	Not specified	stewartm	08/14/13 08:45
PCB-1221 Peak 2	5.99	Not specified	stewartm	08/14/13 08:45
PCB-1221 Peak 3	6.09	Not specified	stewartm	08/14/13 08:45
PCB-1221 Peak 4	6.93	Not specified	stewartm	08/14/13 08:45
PCB-1221 Peak 5	7.82	Not specified	stewartm	08/14/13 08:45

Lab Sample ID: IC 200-59793/5 Client Sample ID:

Date Analyzed: 08/13/13 15:36 Lab File ID: 5253chsom05.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1221		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:30
PCB-1221 Peak 1	7.22	Baseline event	stewartm	08/14/13 12:30
PCB-1221 Peak 2	7.54	Baseline event		
PCB-1221 Peak 3	7.70	Baseline event	stewartm	08/14/13 12:30
PCB-1221 Peak 4	7.81	Baseline event	stewartm	08/14/13 12:30
PCB-1221 Peak 5	8.75	Baseline event	stewartm	08/14/13 12:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/9 Client Sample ID:

Date Analyzed: 08/13/13 17:15 Lab File ID: 5253chsom09.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:46
PCB-1232 Peak 1	6.09	Baseline event	stewartm	08/14/13 08:46
PCB-1232 Peak 2	6.87	Baseline event	stewartm	08/14/13 08:46
PCB-1232 Peak 3	7.26	Baseline event	stewartm	08/14/13 08:46
PCB-1232 Peak 4	7.82	Baseline event		
PCB-1232 Peak 5	8.04	Baseline event	stewartm	08/14/13 08:46

Lab Sample ID: IC 200-59793/9 Client Sample ID:

Date Analyzed: 08/13/13 17:15 Lab File ID: 5253chsom09.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:31
PCB-1232 Peak 1	7.70	Baseline event	stewartm	08/14/13 12:31
PCB-1232 Peak 2	8.74	Baseline event	stewartm	08/14/13 12:31
PCB-1232 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:31
PCB-1232 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:31
PCB-1232 Peak 5	11.53	Baseline event	stewartm	08/14/13 12:32
Decachlorobiphenyl	18.03	Baseline event		

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/10 Client Sample ID:

Date Analyzed: 08/13/13 17:39 Lab File ID: 5253chsom10.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:47
PCB-1232 Peak 1	6.09	Baseline event	stewartm	08/14/13 08:47
PCB-1232 Peak 2	6.87	Baseline event	stewartm	08/14/13 08:47
PCB-1232 Peak 3	7.26	Baseline event	stewartm	08/14/13 08:47
PCB-1232 Peak 4	7.82	Baseline event		
PCB-1232 Peak 5	8.04	Baseline event	stewartm	08/14/13 08:47

Lab Sample ID: IC 200-59793/10 Client Sample ID:

Date Analyzed: 08/13/13 17:39 Lab File ID: 5253chsom10.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:33
PCB-1232 Peak 1	7.70	Baseline event	stewartm	08/14/13 12:33
PCB-1232 Peak 2	8.73	Baseline event	stewartm	08/14/13 12:33
PCB-1232 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:33
PCB-1232 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:33
PCB-1232 Peak 5	11.53	Baseline event	stewartm	08/14/13 12:33

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/12 Client Sample ID:

Date Analyzed: 08/13/13 18:28 Lab File ID: 5253chsom12.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:48
PCB-1232 Peak 1	6.09	Baseline event	stewartm	08/14/13 08:48
PCB-1232 Peak 2	6.87	Baseline event	stewartm	08/14/13 08:48
PCB-1232 Peak 3	7.26	Baseline event	stewartm	08/14/13 08:48
PCB-1232 Peak 4	7.82	Baseline event	stewartm	08/14/13 08:48
PCB-1232 Peak 5	8.04	Baseline event	stewartm	08/14/13 08:48

Lab Sample ID: IC 200-59793/14 Client Sample ID:

Date Analyzed: 08/13/13 19:18 Lab File ID: 5253chsom14.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1242		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:49
PCB-1242 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:49
PCB-1242 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:49
PCB-1242 Peak 3	7.83	Baseline event	stewartm	08/14/13 08:49
PCB-1242 Peak 4	8.04	Baseline event	stewartm	08/14/13 08:49
PCB-1242 Peak 5	8.22	Baseline event	stewartm	08/14/13 08:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/14 Client Sample ID:

Date Analyzed: 08/13/13 19:18 Lab File ID: 5253chsom14.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1242		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:34
PCB-1242 Peak 1	8.73	Baseline event	stewartm	08/14/13 12:34
PCB-1242 Peak 2	9.45	Baseline event	stewartm	08/14/13 12:34
PCB-1242 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:35
PCB-1242 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:35
PCB-1242 Peak 5	10.55	Baseline event	stewartm	08/14/13 12:35

Lab Sample ID: IC 200-59793/15 Client Sample ID:

Date Analyzed: 08/13/13 19:42 Lab File ID: 5253chsom15.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1242		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:50
PCB-1242 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:50
PCB-1242 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:50
PCB-1242 Peak 3	7.82	Baseline event	stewartm	08/14/13 08:50
PCB-1242 Peak 4	8.04	Baseline event	stewartm	08/14/13 08:50
PCB-1242 Peak 5	8.22	Baseline event	stewartm	08/14/13 08:50

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/15 Client Sample ID:

Date Analyzed: 08/13/13 19:42 Lab File ID: 5253chsom15.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1242		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:36
PCB-1242 Peak 1	8.73	Baseline event	stewartm	08/14/13 12:36
PCB-1242 Peak 2	9.45	Baseline event	stewartm	08/14/13 12:36
PCB-1242 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:36
PCB-1242 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:36
PCB-1242 Peak 5	10.55	Baseline event	stewartm	08/14/13 12:36

Lab Sample ID: IC 200-59793/17 Client Sample ID:

Date Analyzed: 08/13/13 20:32 Lab File ID: 5253chsom17.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1242		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:51
PCB-1242 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:51
PCB-1242 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:51
PCB-1242 Peak 3	7.83	Baseline event	stewartm	08/14/13 08:51
PCB-1242 Peak 4	8.04	Baseline event	stewartm	08/14/13 08:51
PCB-1242 Peak 5	8.22	Baseline event	stewartm	08/14/13 08:51

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/19 Client Sample ID:

Date Analyzed: 08/13/13 21:21 Lab File ID: 5253chsom19.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:52
PCB-1248 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:52
PCB-1248 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:52
PCB-1248 Peak 3	7.79	Baseline event	stewartm	08/14/13 08:52
PCB-1248 Peak 4	8.05	Baseline event	stewartm	08/14/13 08:52
PCB-1248 Peak 5	9.18	Baseline event	stewartm	08/14/13 08:52

Lab Sample ID: IC 200-59793/19 Client Sample ID:

Date Analyzed: 08/13/13 21:21 Lab File ID: 5253chsom19.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Baseline event		
PCB-1248 Peak 1	8.73	Baseline event	stewartm	08/14/13 12:38
PCB-1248 Peak 2	9.76	Baseline event	stewartm	08/14/13 12:38
PCB-1248 Peak 3	10.20	Baseline event	stewartm	08/14/13 12:38
PCB-1248 Peak 4	10.92	Baseline event	stewartm	08/14/13 12:38
PCB-1248 Peak 5	11.63	Baseline event	stewartm	08/14/13 12:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/20 Client Sample ID:

Date Analyzed: 08/13/13 21:46 Lab File ID: 5253chsom20.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:53
PCB-1248 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:53
PCB-1248 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:53
PCB-1248 Peak 3	7.79	Baseline event	stewartm	08/14/13 08:53
PCB-1248 Peak 4	8.04	Baseline event	stewartm	08/14/13 08:53
PCB-1248 Peak 5	9.18	Baseline event	stewartm	08/14/13 08:53

Lab Sample ID: IC 200-59793/20 Client Sample ID:

Date Analyzed: 08/13/13 21:46 Lab File ID: 5253chsom20.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Not specified		
PCB-1248 Peak 1	8.73	Not specified		
PCB-1248 Peak 2	9.76	Not specified		
PCB-1248 Peak 3	10.20	Not specified	stewartm	08/14/13 12:39
PCB-1248 Peak 4	10.93	Not specified		
PCB-1248 Peak 5	11.63	Not specified	stewartm	08/14/13 12:39

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/22 Client Sample ID:

Date Analyzed: 08/13/13 22:35 Lab File ID: 5253chsom22.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:54
PCB-1248 Peak 1	6.87	Baseline event	stewartm	08/14/13 08:54
PCB-1248 Peak 2	7.26	Baseline event	stewartm	08/14/13 08:54
PCB-1248 Peak 3	7.79	Baseline event	stewartm	08/14/13 08:54
PCB-1248 Peak 4	8.05	Baseline event	stewartm	08/14/13 08:54
PCB-1248 Peak 5	9.18	Baseline event	stewartm	08/14/13 08:54

Lab Sample ID: IC 200-59793/22 Client Sample ID:

Date Analyzed: 08/13/13 22:35 Lab File ID: 5253chsom22.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1248		Not specified		
PCB-1248 Peak 1	8.73	Not specified		
PCB-1248 Peak 2	9.76	Not specified		
PCB-1248 Peak 3	10.20	Not specified		
PCB-1248 Peak 4	10.93	Not specified		
PCB-1248 Peak 5	11.63	Not specified	stewartm	08/14/13 12:40

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/24 Client Sample ID:

Date Analyzed: 08/13/13 23:24 Lab File ID: 5253chsom24.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:56
PCB-1254 Peak 1	10.93	Baseline event	stewartm	08/14/13 08:56
PCB-1254 Peak 2	11.37	Baseline event	stewartm	08/14/13 08:57
PCB-1254 Peak 3	11.49	Baseline event		
PCB-1254 Peak 4	11.60	Baseline event	stewartm	08/14/13 08:57
PCB-1254 Peak 5	12.26	Baseline event	stewartm	08/14/13 08:57

Lab Sample ID: IC 200-59793/24 Client Sample ID:

Date Analyzed: 08/13/13 23:24 Lab File ID: 5253chsom24.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
PCB-1254 Peak 1	12.77	Baseline event	stewartm	08/14/13 12:41
PCB-1254 Peak 2	13.01	Baseline event	stewartm	08/14/13 12:41
PCB-1254 Peak 3	13.21	Baseline event	stewartm	08/14/13 12:41
PCB-1254 Peak 4	13.42	Baseline event	stewartm	08/14/13 12:41
PCB-1254 Peak 5	13.73	Baseline event	stewartm	08/14/13 12:42

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/25 Client Sample ID:

Date Analyzed: 08/13/13 23:49 Lab File ID: 5253chsom25.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 08:58
PCB-1254 Peak 1	10.93	Baseline event	stewartm	08/14/13 08:58
PCB-1254 Peak 2	11.37	Baseline event	stewartm	08/14/13 08:58
PCB-1254 Peak 3	11.49	Baseline event	stewartm	08/14/13 08:58
PCB-1254 Peak 4	11.60	Baseline event	stewartm	08/14/13 08:58
PCB-1254 Peak 5	12.26	Baseline event	stewartm	08/14/13 08:59

Lab Sample ID: IC 200-59793/25 Client Sample ID:

Date Analyzed: 08/13/13 23:49 Lab File ID: 5253chsom25.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
PCB-1254 Peak 1	12.77	Baseline event	stewartm	08/14/13 12:42
PCB-1254 Peak 2	13.01	Baseline event	stewartm	08/14/13 12:42
PCB-1254 Peak 3	13.21	Baseline event	stewartm	08/14/13 12:42
PCB-1254 Peak 4	13.42	Baseline event	stewartm	08/14/13 12:42
PCB-1254 Peak 5	13.73	Baseline event	stewartm	08/14/13 12:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/26 Client Sample ID:

Date Analyzed: 08/14/13 00:14 Lab File ID: 5253chsom26.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Not specified		
Tetrachloro-m-xylene	5.46	Not specified	stewartm	08/14/13 08:23
PCB-1254 Peak 1	10.93	Not specified	stewartm	08/14/13 08:24
PCB-1254 Peak 2	11.37	Not specified	stewartm	08/14/13 08:24
PCB-1254 Peak 3	11.49	Not specified	stewartm	08/14/13 08:24
PCB-1254 Peak 4	11.60	Not specified	stewartm	08/14/13 08:24
PCB-1254 Peak 5	12.26	Not specified	stewartm	08/14/13 08:24
Decachlorobiphenyl	16.15	Not specified	stewartm	08/14/13 08:24

Lab Sample ID: IC 200-59793/29 Client Sample ID:

Date Analyzed: 08/14/13 01:27 Lab File ID: 5253chsom29.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Baseline event		
PCB-1262 Peak 1	13.47	Baseline event	stewartm	08/14/13 09:01
PCB-1262 Peak 2	13.74	Baseline event	stewartm	08/14/13 09:01
PCB-1262 Peak 3	13.82	Baseline event	stewartm	08/14/13 09:01
PCB-1262 Peak 4	14.10	Baseline event	stewartm	08/14/13 09:01
PCB-1262 Peak 5	14.49	Baseline event	stewartm	08/14/13 09:01
Decachlorobiphenyl	16.15	Baseline event	stewartm	08/14/13 09:01

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/29 Client Sample ID:

Date Analyzed: 08/14/13 01:27 Lab File ID: 5253chsom29.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Baseline event		
PCB-1262 Peak 1	13.95	Baseline event	stewartm	08/14/13 12:44
PCB-1262 Peak 2	14.36	Baseline event	stewartm	08/14/13 12:44
PCB-1262 Peak 3	14.51	Baseline event	stewartm	08/14/13 12:44
PCB-1262 Peak 4	14.66	Baseline event	stewartm	08/14/13 12:44
PCB-1262 Peak 5	15.24	Baseline event		

Lab Sample ID: IC 200-59793/30 Client Sample ID:

Date Analyzed: 08/14/13 01:52 Lab File ID: 5253chsom30.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Baseline event		
PCB-1262 Peak 1	13.47	Baseline event	stewartm	08/14/13 09:02
PCB-1262 Peak 2	13.74	Baseline event		
PCB-1262 Peak 3	13.82	Baseline event		
PCB-1262 Peak 4	14.10	Baseline event		
PCB-1262 Peak 5	14.49	Baseline event	stewartm	08/14/13 09:02

Lab Sample ID: IC 200-59793/30 Client Sample ID:

Date Analyzed: 08/14/13 01:52 Lab File ID: 5253chsom30.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Not specified		
PCB-1262 Peak 1	13.95	Not specified		
PCB-1262 Peak 2	14.37	Not specified	stewartm	08/14/13 12:45
PCB-1262 Peak 3	14.51	Not specified	stewartm	08/14/13 12:45
PCB-1262 Peak 4	14.66	Not specified	stewartm	08/14/13 12:45
PCB-1262 Peak 5	15.24	Not specified		

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/31 Client Sample ID:

Date Analyzed: 08/14/13 02:17 Lab File ID: 5253chsom31.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Not specified		
Tetrachloro-m-xylene	6.40	Not specified	stewartm	08/14/13 10:33
PCB-1262 Peak 1	13.95	Not specified	stewartm	08/14/13 10:35
PCB-1262 Peak 2	14.36	Not specified	stewartm	08/14/13 10:35
PCB-1262 Peak 3	14.51	Not specified	stewartm	08/14/13 10:35
PCB-1262 Peak 4	14.66	Not specified	stewartm	08/14/13 10:35
PCB-1262 Peak 5	15.24	Not specified	stewartm	08/14/13 10:35
Decachlorobiphenyl	18.03	Not specified	stewartm	08/14/13 10:35

Lab Sample ID: IC 200-59793/32 Client Sample ID:

Date Analyzed: 08/14/13 02:41 Lab File ID: 5253chsom32.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Baseline event		
PCB-1262 Peak 1	13.95	Baseline event	stewartm	08/14/13 12:45
PCB-1262 Peak 2	14.36	Baseline event	stewartm	08/14/13 12:46
PCB-1262 Peak 3	14.51	Baseline event	stewartm	08/14/13 12:46
PCB-1262 Peak 4	14.66	Baseline event	stewartm	08/14/13 12:46
PCB-1262 Peak 5	15.24	Baseline event	stewartm	08/14/13 12:46

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/33 Client Sample ID:

Date Analyzed: 08/14/13 03:06 Lab File ID: 5253chsom33.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1262		Baseline event		
PCB-1262 Peak 1	13.47	Baseline event		
PCB-1262 Peak 2	13.74	Baseline event		
PCB-1262 Peak 3	13.81	Baseline event		
PCB-1262 Peak 4	14.10	Baseline event		
PCB-1262 Peak 5	14.48	Baseline event	stewartm	08/14/13 09:03

Lab Sample ID: IC 200-59793/40 Client Sample ID:

Date Analyzed: 08/14/13 05:58 Lab File ID: 5253chsom40.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Aroclor-1260		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 09:04
PCB-1016 Peak 1	6.87	Baseline event	stewartm	08/14/13 09:04
PCB-1016 Peak 2	7.26	Baseline event	stewartm	08/14/13 09:04
PCB-1016 Peak 3	8.04	Baseline event	stewartm	08/14/13 09:04
PCB-1016 Peak 4	9.09	Baseline event	stewartm	08/14/13 09:04
PCB-1016 Peak 5	9.40	Baseline event	stewartm	08/14/13 09:04
PCB-1260 Peak 1	13.39	Baseline event	stewartm	08/14/13 09:04
PCB-1260 Peak 2	13.74	Baseline event	stewartm	08/14/13 09:05
PCB-1260 Peak 3	14.11	Baseline event	stewartm	08/14/13 09:05
PCB-1260 Peak 4	14.49	Baseline event	stewartm	08/14/13 09:05
PCB-1260 Peak 5	14.65	Baseline event	stewartm	08/14/13 09:05
Decachlorobiphenyl	16.15	Baseline event	stewartm	08/14/13 09:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/40 Client Sample ID:

Date Analyzed: 08/14/13 05:58 Lab File ID: 5253chsom40.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Aroclor-1260		Baseline event		
PCB-1016 Peak 1	7.70	Baseline event	stewartm	08/14/13 12:47
PCB-1016 Peak 2	8.73	Baseline event	stewartm	08/14/13 12:47
PCB-1016 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:47
PCB-1016 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:47
PCB-1016 Peak 5	10.55	Baseline event	stewartm	08/14/13 12:47
PCB-1260 Peak 1	14.59	Baseline event	stewartm	08/14/13 12:47
PCB-1260 Peak 2	15.24	Baseline event	stewartm	08/14/13 12:47
PCB-1260 Peak 3	15.77	Baseline event	stewartm	08/14/13 12:47
PCB-1260 Peak 4	16.57	Baseline event	stewartm	08/14/13 12:48
PCB-1260 Peak 5	16.67	Baseline event	stewartm	08/14/13 12:48

Lab Sample ID: IC 200-59793/41 Client Sample ID:

Date Analyzed: 08/14/13 06:23 Lab File ID: 5253chsom41.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Tetrachloro-m-xylene	5.46	Baseline event	stewartm	08/14/13 09:05
PCB-1016 Peak 1	6.87	Baseline event	stewartm	08/14/13 09:05
PCB-1016 Peak 2	7.26	Baseline event	stewartm	08/14/13 09:05
PCB-1016 Peak 3	8.04	Baseline event	stewartm	08/14/13 09:05
PCB-1016 Peak 4	9.09	Baseline event	stewartm	08/14/13 09:06
PCB-1016 Peak 5	9.40	Baseline event	stewartm	08/14/13 09:06

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: IC 200-59793/43 Client Sample ID:

Date Analyzed: 08/14/13 07:12 Lab File ID: 5253chsom43.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260		Baseline event		
PCB-1260 Peak 1	13.39	Baseline event		
PCB-1260 Peak 2	13.74	Baseline event	stewartm	08/14/13 09:07
PCB-1260 Peak 3	14.10	Baseline event	stewartm	08/14/13 09:07
PCB-1260 Peak 4	14.49	Baseline event	stewartm	08/14/13 09:07
PCB-1260 Peak 5	14.65	Baseline event	stewartm	08/14/13 09:07

Lab Sample ID: IC 200-59793/43 Client Sample ID:

Date Analyzed: 08/14/13 07:12 Lab File ID: 5253chsom43.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Aroclor-1260		Baseline event		
Tetrachloro-m-xylene	6.40	Baseline event	stewartm	08/14/13 12:49
PCB-1016 Peak 1	7.70	Baseline event	stewartm	08/14/13 12:49
PCB-1016 Peak 2	8.73	Baseline event	stewartm	08/14/13 12:49
PCB-1016 Peak 3	9.81	Baseline event	stewartm	08/14/13 12:49
PCB-1016 Peak 4	10.20	Baseline event	stewartm	08/14/13 12:49
PCB-1016 Peak 5	10.55	Baseline event	stewartm	08/14/13 12:49
PCB-1260 Peak 1	14.59	Baseline event	stewartm	08/14/13 12:49
PCB-1260 Peak 2	15.24	Baseline event	stewartm	08/14/13 12:49
PCB-1260 Peak 3	15.77	Baseline event	stewartm	08/14/13 12:49
PCB-1260 Peak 4	16.57	Baseline event		
PCB-1260 Peak 5	16.67	Baseline event		

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 59793

Lab Sample ID: CCV 200-59793/49 Client Sample ID:

Date Analyzed: 08/14/13 09:40 Lab File ID: 5253chsom49.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254		Baseline event		
PCB-1254 Peak 1	12.77	Baseline event		
PCB-1254 Peak 2	13.01	Baseline event		
PCB-1254 Peak 3	13.21	Baseline event		
PCB-1254 Peak 4	13.42	Baseline event	stewartm	08/14/13 13:03
PCB-1254 Peak 5	13.73	Baseline event	stewartm	08/14/13 13:04

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 60364

Lab Sample ID: LCS 200-59239/2-C Client Sample ID:

Date Analyzed: 08/14/13 12:57 Lab File ID: 5253chasom08.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Aroclor-1016-1	6.87	Baseline event	jsw	08/27/13 16:17
Aroclor-1016-2	7.26	Baseline event	jsw	08/27/13 16:17
Aroclor-1016-3	8.04	Baseline event	jsw	08/27/13 16:17
Aroclor-1016-4	9.09	Baseline event	jsw	08/27/13 16:17
Aroclor-1016-5	9.40	Baseline event	jsw	08/27/13 16:17

Lab Sample ID: LCS 200-59239/2-C Client Sample ID:

Date Analyzed: 08/14/13 12:57 Lab File ID: 5253chasom08.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016		Baseline event		
Aroclor-1260		Baseline event		
Aroclor-1016-1	7.70	Baseline event		
Aroclor-1016-2	8.73	Baseline event		
Aroclor-1016-3	9.81	Baseline event	jsw	08/27/13 16:30
Aroclor-1016-4	10.20	Baseline event	jsw	08/27/13 16:30
Aroclor-1016-5	10.55	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-1	14.59	Baseline event		
Aroclor-1260-2	15.24	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-3	15.77	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-4	16.57	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-5	16.67	Baseline event	jsw	08/27/13 16:30

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 60364

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 08/14/13 13:21 Lab File ID: 5253chasom09.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
Aroclor-1260		Baseline event		
Aroclor-1254-1	10.94	Baseline event	jsw	08/27/13 16:17
Aroclor-1254-2	11.37	Baseline event	jsw	08/27/13 16:17
Aroclor-1254-3	11.49	Baseline event		
Aroclor-1254-4	11.60	Baseline event		
Aroclor-1254-5	12.25	Baseline event	jsw	08/27/13 16:17
Aroclor-1260-1	13.39	Baseline event	jsw	08/27/13 16:17
Aroclor-1260-2	13.73	Baseline event	jsw	08/27/13 16:17
Aroclor-1260-3	14.10	Baseline event	jsw	08/27/13 16:17
Aroclor-1260-4	14.48	Baseline event	jsw	08/27/13 16:17
Aroclor-1260-5	14.64	Baseline event	jsw	08/27/13 16:17

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 08/14/13 13:21 Lab File ID: 5253chasom09.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254		Baseline event		
Aroclor-1260		Baseline event		
Aroclor-1254-1	12.77	Baseline event		
Aroclor-1254-2	13.01	Baseline event	jsw	08/27/13 17:05
Aroclor-1254-3	13.21	Baseline event		
Aroclor-1254-4	13.42	Baseline event	jsw	08/27/13 16:30
Aroclor-1254-5	13.73	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-1	14.59	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-2	15.24	Baseline event	jsw	08/27/13 16:30
Aroclor-1260-3	15.77	Baseline event		
Aroclor-1260-4	16.57	Baseline event		
Aroclor-1260-5	16.67	Baseline event	jsw	08/27/13 16:30

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Instrument ID: 5253.i Analysis Batch Number: 60364

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 08/14/13 14:10 Lab File ID: 5253chasom11.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Decachlorobiphenyl	16.15	Not specified	jsw	08/27/13 16:18

Lab Sample ID: CCVC 200-60364/24 Client Sample ID:

Date Analyzed: 08/14/13 19:31 Lab File ID: 5253chasom24.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248		Baseline event		
PCB-1248 Peak 1	8.73	Baseline event		
PCB-1248 Peak 2	9.76	Baseline event	jsw	08/27/13 16:32
PCB-1248 Peak 3	10.20	Baseline event	jsw	08/27/13 16:32
PCB-1248 Peak 4	10.92	Baseline event	jsw	08/27/13 16:32
PCB-1248 Peak 5	11.62	Baseline event	jsw	08/27/13 16:32

Lab Sample ID: CCVC 200-60364/25 Client Sample ID:

Date Analyzed: 08/14/13 19:55 Lab File ID: 5253chasom25.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254		Baseline event		
PCB-1254 Peak 1	12.77	Baseline event	jsw	08/27/13 16:32
PCB-1254 Peak 2	13.00	Baseline event	jsw	08/27/13 16:32
PCB-1254 Peak 3	13.20	Baseline event	jsw	08/27/13 16:32
PCB-1254 Peak 4	13.41	Baseline event	jsw	08/27/13 16:32
PCB-1254 Peak 5	13.72	Baseline event	jsw	08/27/13 16:32

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX16601PPMSPi_00012	12/08/13	06/08/13	ACETONE, Lot 495998	100 mL	EXAR1660SPs_00041	0.1 mL	1,1'-Biphenyl, heptachloro-	0.321818 ug/mL
							1,1'-Biphenyl, hexachloro-	0.461818 ug/mL
							1,1'-Biphenyl, nonachloro-	0.009091 ug/mL
							1,1'-Biphenyl, octachloro-	0.072727 ug/mL
							Aroclor-1016	1 ug/mL
							Aroclor-1260	1 ug/mL
							Chlorobiphenyl	0.009313 ug/mL
							Dichlorobiphenyl	0.159632 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 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
							Pentachlorobiphenyl	0.12204 ug/mL
							Polychlorinated biphenyls, Total	2 ug/mL
							Tetrachlorobiphenyl	0.230932 ug/mL
							Trichlorobiphenyl	0.612628 ug/mL
.EXAR1660SPs_00041	03/31/18		Restek, Lot A086503		(Purchased Reagent)		1,1'-Biphenyl, heptachloro-	321.818 ug/mL
							1,1'-Biphenyl, hexachloro-	461.818 ug/mL
							1,1'-Biphenyl, nonachloro-	9.091 ug/mL
							1,1'-Biphenyl, octachloro-	72.727 ug/mL
							Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							Chlorobiphenyl	9.313 ug/mL
							Dichlorobiphenyl	159.632 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
							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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobiphenyl	122.04 ug/mL
							Polychlorinated biphenyls, Total	2000 ug/mL
							Tetrachlorobiphenyl	230.932 ug/mL
							Trichlorobiphenyl	612.628 ug/mL
EX245TCPSPi_00015	03/18/13	03/04/13	ACETONE, Lot 458590	500 mL	EX245TcpSPs_00013	0.5 mL	2,4,5-Trichlorophenol	100 ug/L
.EX245TcpSPs_00013	09/04/13		Ultra, Lot CD-1385Z		(Purchased Reagent)		2,4,5-Trichlorophenol	100 ug/mL
EXCOPPERACT_00036	10/01/13	08/01/13	HEXANE, Lot 515453	120 g	Copperpowder_00003	120 g	Cu	99.9 %
.Copperpowder_00003	06/19/15		Acros Organics, Lot A0325045		(Purchased Reagent)		Cu	99.9 %
EXGPCCCVSPw_00126	08/19/13	08/05/13	MeCL2, Lot 531317	50 mL	EXPESTGPCSPi_00107	2 mL	4,4'-DDT	0.04 ppm
							Aldrin	0.02 ppm
							Dieldrin	0.04 ppm
							Endrin	0.04 ppm
							gamma-BHC (Lindane)	0.02 ppm
							Heptachlor	0.02 ppm
.EXPESTGPCSPi_00107	08/19/13	08/05/13	ACETONE, Lot 528673	25 mL	EXPestMixSPs_00078	0.5 mL	4,4'-DDT	1 ppm
							Aldrin	0.5 ppm
							Dieldrin	1 ppm
							Endrin	1 ppm
							gamma-BHC (Lindane)	0.5 ppm
							Heptachlor	0.5 ppm
..EXPestMixSPs_00078	06/30/15		Restek, Lot A082655		(Purchased Reagent)		4,4'-DDT	50 ug/mL
							Aldrin	25 ug/mL
							Dieldrin	50 ug/mL
							Endrin	50 ug/mL
							gamma-BHC (Lindane)	25 ug/mL
							Heptachlor	25 ug/mL
EXSOMDMCSus_00035	12/28/13	06/28/13	METHANOL, Lot 474939	112.5 mL	EXDMCACIDSUs_00147	1.25 mL	2,4-Dichlorophenol-d3	80 ug/mL
							2-Chlorophenol-d4	80 ug/mL
							2-Nitrophenol-d4	80 ug/mL
							4,6-Dinitro-2-methylphenol-d2	80 ug/mL
							4-Methylphenol-d8	80 ug/mL
							4-Nitrophenol-d4	80 ug/mL
							Phenol-d5	80 ug/mL
					EXDMCACIDSUs_00148	1.25 mL	2,4-Dichlorophenol-d3	80 ug/mL
							2-Chlorophenol-d4	80 ug/mL
							2-Nitrophenol-d4	80 ug/mL
							4,6-Dinitro-2-methylphenol-d2	80 ug/mL
							4-Methylphenol-d8	80 ug/mL
							4-Nitrophenol-d4	80 ug/mL
							Phenol-d5	80 ug/mL
					EXDMCACIDSUs_00149	1 mL	2,4-Dichlorophenol-d3	80 ug/mL
							2-Chlorophenol-d4	80 ug/mL
							2-Nitrophenol-d4	80 ug/mL
							4,6-Dinitro-2-methylphenol-d2	80 ug/mL
							4-Methylphenol-d8	80 ug/mL
							4-Nitrophenol-d4	80 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		
							Phenol-d5	80 ug/mL
					EXDMCACIDSUs_00150	1 mL	2,4-Dichlorophenol-d3	80 ug/mL
							2-Chlorophenol-d4	80 ug/mL
							2-Nitrophenol-d4	80 ug/mL
							4,6-Dinitro-2-methylphenol-d2	80 ug/mL
							4-Methylphenol-d8	80 ug/mL
							4-Nitrophenol-d4	80 ug/mL
							Phenol-d5	80 ug/mL
					EXDMCB/NSUS_00136	1.25 mL	4-Chloroaniline-d4	80 ug/mL
							Acenaphthylene-d8	80 ug/mL
							Anthracene-d10	80 ug/mL
							Benzo(a)pyrene-d12	80 ug/mL
							Bis(2-chloroethyl)ether-d8	80 ug/mL
							Dimethylphthalate-d6	80 ug/mL
							Fluorene-d10	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Pyrene-d10	80 ug/mL
					EXDMCB/NSUS_00137	1.25 mL	4-Chloroaniline-d4	80 ug/mL
							Acenaphthylene-d8	80 ug/mL
							Anthracene-d10	80 ug/mL
							Benzo(a)pyrene-d12	80 ug/mL
							Bis(2-chloroethyl)ether-d8	80 ug/mL
							Dimethylphthalate-d6	80 ug/mL
							Fluorene-d10	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Pyrene-d10	80 ug/mL
					EXDMCB/NSUS_00138	1 mL	4-Chloroaniline-d4	80 ug/mL
							Acenaphthylene-d8	80 ug/mL
							Anthracene-d10	80 ug/mL
							Benzo(a)pyrene-d12	80 ug/mL
							Bis(2-chloroethyl)ether-d8	80 ug/mL
							Dimethylphthalate-d6	80 ug/mL
							Fluorene-d10	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Pyrene-d10	80 ug/mL
					EXDMCB/NSUS_00139	1 mL	4-Chloroaniline-d4	80 ug/mL
							Acenaphthylene-d8	80 ug/mL
							Anthracene-d10	80 ug/mL
							Benzo(a)pyrene-d12	80 ug/mL
							Bis(2-chloroethyl)ether-d8	80 ug/mL
							Dimethylphthalate-d6	80 ug/mL
							Fluorene-d10	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Pyrene-d10	80 ug/mL
.EXDMCACIDSUs_00147	12/07/17		ABSOLUTE, Lot 120712		(Purchased Reagent)		2,4-Dichlorophenol-d3	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Nitrophenol-d4	2000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	2000 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		
							4-Methylphenol-d8	2000 ug/mL
							4-Nitrophenol-d4	2000 ug/mL
							Phenol-d5	2000 ug/mL
.EXDMCACIDSUs_00148	12/07/17		ABSOLUTE, Lot 120712		(Purchased Reagent)		2,4-Dichlorophenol-d3	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Nitrophenol-d4	2000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	2000 ug/mL
							4-Methylphenol-d8	2000 ug/mL
							4-Nitrophenol-d4	2000 ug/mL
							Phenol-d5	2000 ug/mL
.EXDMCACIDSUs_00149	12/07/17		ABSOLUTE, Lot 120712		(Purchased Reagent)		2,4-Dichlorophenol-d3	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Nitrophenol-d4	2000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	2000 ug/mL
							4-Methylphenol-d8	2000 ug/mL
							4-Nitrophenol-d4	2000 ug/mL
							Phenol-d5	2000 ug/mL
.EXDMCACIDSUs_00150	12/07/17		ABSOLUTE, Lot 120712		(Purchased Reagent)		2,4-Dichlorophenol-d3	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Nitrophenol-d4	2000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	2000 ug/mL
							4-Methylphenol-d8	2000 ug/mL
							4-Nitrophenol-d4	2000 ug/mL
							Phenol-d5	2000 ug/mL
.EXDMCB/NSUS_00136	12/07/17		Absolute, Lot 120712		(Purchased Reagent)		4-Chloroaniline-d4	2000 ug/mL
							Acenaphthylene-d8	2000 ug/mL
							Anthracene-d10	2000 ug/mL
							Benzo(a)pyrene-d12	2000 ug/mL
							Bis(2-chloroethyl)ether-d8	2000 ug/mL
							Dimethylphthalate-d6	2000 ug/mL
							Fluorene-d10	2000 ug/mL
							Nitrobenzene-d5	2000 ug/mL
							Pyrene-d10	2000 ug/mL
.EXDMCB/NSUS_00137	12/07/17		Absolute, Lot 120712		(Purchased Reagent)		4-Chloroaniline-d4	2000 ug/mL
							Acenaphthylene-d8	2000 ug/mL
							Anthracene-d10	2000 ug/mL
							Benzo(a)pyrene-d12	2000 ug/mL
							Bis(2-chloroethyl)ether-d8	2000 ug/mL
							Dimethylphthalate-d6	2000 ug/mL
							Fluorene-d10	2000 ug/mL
							Nitrobenzene-d5	2000 ug/mL
							Pyrene-d10	2000 ug/mL
.EXDMCB/NSUS_00138	12/07/17		Absolute, Lot 120712		(Purchased Reagent)		4-Chloroaniline-d4	2000 ug/mL
							Acenaphthylene-d8	2000 ug/mL
							Anthracene-d10	2000 ug/mL
							Benzo(a)pyrene-d12	2000 ug/mL
							Bis(2-chloroethyl)ether-d8	2000 ug/mL
							Dimethylphthalate-d6	2000 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		
							Fluorene-d10	2000 ug/mL
							Nitrobenzene-d5	2000 ug/mL
							Pyrene-d10	2000 ug/mL
.EXDMCB/NSUS_00139	12/07/17	Absolute, Lot 120712			(Purchased Reagent)		4-Chloroaniline-d4	2000 ug/mL
							Acenaphthylene-d8	2000 ug/mL
							Anthracene-d10	2000 ug/mL
							Benzo(a)pyrene-d12	2000 ug/mL
							Bis(2-chloroethyl)ether-d8	2000 ug/mL
							Dimethylphthalate-d6	2000 ug/mL
							Fluorene-d10	2000 ug/mL
							Nitrobenzene-d5	2000 ug/mL
							Pyrene-d10	2000 ug/mL
EXSOMLCSSPi_00055	08/31/13	07/31/13	METHANOL, Lot 514908	100 mL	EXPESTLCSSPs_00041	0.5 mL	4,4'-DDE	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
.EXPESTLCSSPs_00041	10/31/16	Restek, Lot A088867			(Purchased Reagent)		4,4'-DDE	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor epoxide	10 ug/mL
EXSOMPPCBSUi_00032	12/27/13	06/27/13	ACETONE, Lot 504688	1000 mL	EX2456TCXSPs_00049	1 mL	Tetrachloro-m-xylene	0.2 ug/mL
					EXDCBSOLSUs_00100	1 mL	Decachlorobiphenyl	0.4 ug/mL
					EXDCBSOLSUs_00105	1 mL	Decachlorobiphenyl	0.4 ug/mL
.EX2456TCXSPs_00049	06/27/14	Restek, Lot A089747			(Purchased Reagent)		Tetrachloro-m-xylene	200 ug/mL
.EXDCBSOLSUs_00100	12/31/13	Restek, Lot A071178			(Purchased Reagent)		Decachlorobiphenyl	200 ug/mL
.EXDCBSOLSUs_00105	12/31/13	Restek, Lot A071178			(Purchased Reagent)		Decachlorobiphenyl	200 ug/mL
EXSOMSIMSUi_00020	12/01/13	05/31/13	METHANOL, Lot 492234	400 mL	EX2METHYLNSUS_00016	320 uL	2-methylnaphthalene-d10	0.8 ug/mL
					EXFLUORd10SUs_00014	320 uL	Fluoranthene-d10	0.8 ug/mL
.EX2METHYLNSUS_00016	12/01/13	Absolute Standards, Lot 052112			(Purchased Reagent)		2-methylnaphthalene-d10	1000 ug/mL
.EXFLUORd10SUs_00014	12/01/13	Absolute Standards, Lot 070612			(Purchased Reagent)		Fluoranthene-d10	1000 ug/mL
EXSulfuricAci_00062	07/31/14	Macron, Lot K20042			(Purchased Reagent)		Sulfuric acid	96.3 %
Florisil_S_00012	09/04/13	RESTEK, Lot 906011-BS			(Purchased Reagent)		Florisil	1 No Unit
GCPEMw_00015	07/23/13	01/23/13	HEXANE, Lot 430738	100 mL	GCPEMs_00016	1 mL	4,4'-DDT	100 ug/L
							alpha-BHC	10 ug/L
							beta-BHC	10 ug/L
							Decachlorobiphenyl	20 ug/L
							Endrin	50 ug/L
							gamma-BHC (Lindane)	10 ug/L
							Methoxychlor	250 ug/L
							Tetrachloro-m-xylene	20 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.GCPEMs_00016	07/23/13		Restek, Lot A085642		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Decachlorobiphenyl	2 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
GCPEMw_00016	02/16/14	08/16/13	HEXANE, Lot 515453	100 mL	GCPEMs_00017	1 mL	4,4'-DDT	100 ug/L
							alpha-BHC	10 ug/L
							beta-BHC	10 ug/L
							Decachlorobiphenyl	20 ug/L
							Endrin	50 ug/L
							gamma-BHC (Lindane)	10 ug/L
							Methoxychlor	250 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCPEMs_00017	02/16/14		Restek, Lot A085642		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Decachlorobiphenyl	2 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
GCSOM1221L1i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1221L5i_00011	2.5 mL	PCB-1221 Peak 1	100 ug/L
							PCB-1221 Peak 2	100 ug/L
							PCB-1221 Peak 3	100 ug/L
							PCB-1221 Peak 4	100 ug/L
							PCB-1221 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1221L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1221s_00016	128 uL	PCB-1221 Peak 1	1600 ug/L
							PCB-1221 Peak 2	1600 ug/L
							PCB-1221 Peak 3	1600 ug/L
							PCB-1221 Peak 4	1600 ug/L
							PCB-1221 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1221s_00016	11/01/13		RESTEK, Lot A086377		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL

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					Reagent ID	Volume Added		
GCSOM1221L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1221L5i_00011	5 mL	PCB-1221 Peak 1	200 ug/L
							PCB-1221 Peak 2	200 ug/L
							PCB-1221 Peak 3	200 ug/L
							PCB-1221 Peak 4	200 ug/L
							PCB-1221 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1221L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1221s_00016	128 uL	PCB-1221 Peak 1	1600 ug/L
							PCB-1221 Peak 2	1600 ug/L
							PCB-1221 Peak 3	1600 ug/L
							PCB-1221 Peak 4	1600 ug/L
							PCB-1221 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1221s_00016	11/01/13	RESTEK, Lot A086377			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1221L3i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1221L5i_00011	10 mL	PCB-1221 Peak 1	400 ug/L
							PCB-1221 Peak 2	400 ug/L
							PCB-1221 Peak 3	400 ug/L
							PCB-1221 Peak 4	400 ug/L
							PCB-1221 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1221L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1221s_00016	128 uL	PCB-1221 Peak 1	1600 ug/L
							PCB-1221 Peak 2	1600 ug/L
							PCB-1221 Peak 3	1600 ug/L
							PCB-1221 Peak 4	1600 ug/L
							PCB-1221 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1221s_00016	11/01/13	RESTEK, Lot A086377			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1221L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1221L5i_00011	20 mL	PCB-1221 Peak 1	800 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 2	800 ug/L
							PCB-1221 Peak 3	800 ug/L
							PCB-1221 Peak 4	800 ug/L
							PCB-1221 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1221L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1221s_00016	128 uL	PCB-1221 Peak 1	1600 ug/L
							PCB-1221 Peak 2	1600 ug/L
							PCB-1221 Peak 3	1600 ug/L
							PCB-1221 Peak 4	1600 ug/L
							PCB-1221 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1221s_00016	11/01/13	RESTEK, Lot A086377			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1221L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1221s_00016	128 uL	PCB-1221 Peak 1	1600 ug/L
							PCB-1221 Peak 2	1600 ug/L
							PCB-1221 Peak 3	1600 ug/L
							PCB-1221 Peak 4	1600 ug/L
							PCB-1221 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1221s_00016	11/01/13	RESTEK, Lot A086377			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1232L1i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1232L5i_00010	2.5 mL	PCB-1232 Peak 1	100 ug/L
							PCB-1232 Peak 2	100 ug/L
							PCB-1232 Peak 3	100 ug/L
							PCB-1232 Peak 4	100 ug/L
							PCB-1232 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1232L5i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1232s_00015	128 uL	PCB-1232 Peak 1	1600 ug/L
							PCB-1232 Peak 2	1600 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	1600 ug/L
							PCB-1232 Peak 4	1600 ug/L
							PCB-1232 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1232s_00015	11/01/13	RESTEK, Lot A086119			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1232L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1232L5i_00010	5 mL	PCB-1232 Peak 1	200 ug/L
							PCB-1232 Peak 2	200 ug/L
							PCB-1232 Peak 3	200 ug/L
							PCB-1232 Peak 4	200 ug/L
							PCB-1232 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1232L5i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1232s_00015	128 uL	PCB-1232 Peak 1	1600 ug/L
							PCB-1232 Peak 2	1600 ug/L
							PCB-1232 Peak 3	1600 ug/L
							PCB-1232 Peak 4	1600 ug/L
							PCB-1232 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1232s_00015	11/01/13	RESTEK, Lot A086119			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1232L3i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1232L5i_00010	10 mL	PCB-1232 Peak 1	400 ug/L
							PCB-1232 Peak 2	400 ug/L
							PCB-1232 Peak 3	400 ug/L
							PCB-1232 Peak 4	400 ug/L
							PCB-1232 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1232L5i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1232s_00015	128 uL	PCB-1232 Peak 1	1600 ug/L
							PCB-1232 Peak 2	1600 ug/L
							PCB-1232 Peak 3	1600 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	1600 ug/L
							PCB-1232 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1232s_00015	11/01/13		RESTEK, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1232L4i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1232L5i_00010	20 mL	PCB-1232 Peak 1	800 ug/L
							PCB-1232 Peak 2	800 ug/L
							PCB-1232 Peak 3	800 ug/L
							PCB-1232 Peak 4	800 ug/L
							PCB-1232 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1232L5i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1232s_00015	128 uL	PCB-1232 Peak 1	1600 ug/L
							PCB-1232 Peak 2	1600 ug/L
							PCB-1232 Peak 3	1600 ug/L
							PCB-1232 Peak 4	1600 ug/L
							PCB-1232 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1232s_00015	11/01/13		RESTEK, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1232L5i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1232s_00015	128 uL	PCB-1232 Peak 1	1600 ug/L
							PCB-1232 Peak 2	1600 ug/L
							PCB-1232 Peak 3	1600 ug/L
							PCB-1232 Peak 4	1600 ug/L
							PCB-1232 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1232s_00015	11/01/13		RESTEK, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1242L1i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1242L5i_00011	2.5 mL	PCB-1242 Peak 1	100 ug/L
							PCB-1242 Peak 2	100 ug/L
							PCB-1242 Peak 3	100 ug/L
							PCB-1242 Peak 4	100 ug/L
							PCB-1242 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1242L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1242s_00022	128 uL	PCB-1242 Peak 1	1600 ug/L
							PCB-1242 Peak 2	1600 ug/L
							PCB-1242 Peak 3	1600 ug/L
							PCB-1242 Peak 4	1600 ug/L
							PCB-1242 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1242s_00022	11/01/13	RESTEK, Lot A080551			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1242L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1242L5i_00011	5 mL	PCB-1242 Peak 1	200 ug/L
							PCB-1242 Peak 2	200 ug/L
							PCB-1242 Peak 3	200 ug/L
							PCB-1242 Peak 4	200 ug/L
							PCB-1242 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1242L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1242s_00022	128 uL	PCB-1242 Peak 1	1600 ug/L
							PCB-1242 Peak 2	1600 ug/L
							PCB-1242 Peak 3	1600 ug/L
							PCB-1242 Peak 4	1600 ug/L
							PCB-1242 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1242s_00022	11/01/13	RESTEK, Lot A080551			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1242L3i_00016	11/01/13	08/08/13	HEXANE, Lot 492642	40 mL	GCSOM1242L4i_00010	20 mL	Aroclor-1242	400 ug/L
							PCB-1242 Peak 1	400 ug/L
							PCB-1242 Peak 2	400 ug/L
							PCB-1242 Peak 3	400 ug/L
							PCB-1242 Peak 4	400 ug/L
							PCB-1242 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1242L4i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1242L5i_00011	20 mL	Aroclor-1242	800 ug/L
							PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
..GCSOM1242L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1242s_00022	128 uL	Aroclor-1242	1600 ug/L
							PCB-1242 Peak 1	1600 ug/L
							PCB-1242 Peak 2	1600 ug/L
							PCB-1242 Peak 3	1600 ug/L
							PCB-1242 Peak 4	1600 ug/L
							PCB-1242 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
...GC8082_1242s_00022	11/01/13	RESTEK, Lot A080551			(Purchased Reagent)		Aroclor-1242	1000 ug/mL
							PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
...GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
....GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
....GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1242L4i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1242L5i_00011	20 mL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1242L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1242s_00022	128 uL	PCB-1242 Peak 1	1600 ug/L
							PCB-1242 Peak 2	1600 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 3	1600 ug/L
							PCB-1242 Peak 4	1600 ug/L
							PCB-1242 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1242s_00022	11/01/13	RESTEK, Lot A080551			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1242L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1242s_00022	128 uL	PCB-1242 Peak 1	1600 ug/L
							PCB-1242 Peak 2	1600 ug/L
							PCB-1242 Peak 3	1600 ug/L
							PCB-1242 Peak 4	1600 ug/L
							PCB-1242 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1242s_00022	11/01/13	RESTEK, Lot A080551			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1248L1i_00014	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1248L5i_00014	2.5 mL	PCB-1248 Peak 1	100 ug/L
							PCB-1248 Peak 2	100 ug/L
							PCB-1248 Peak 3	100 ug/L
							PCB-1248 Peak 4	100 ug/L
							PCB-1248 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1248L5i_00014	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1248s_00017	128 uL	PCB-1248 Peak 1	1600 ug/L
							PCB-1248 Peak 2	1600 ug/L
							PCB-1248 Peak 3	1600 ug/L
							PCB-1248 Peak 4	1600 ug/L
							PCB-1248 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1248s_00017	11/01/13	RESTEK, Lot A086044			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1248L2i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1248L5i_00014	5 mL	PCB-1248 Peak 1	200 ug/L
							PCB-1248 Peak 2	200 ug/L
							PCB-1248 Peak 3	200 ug/L
							PCB-1248 Peak 4	200 ug/L
							PCB-1248 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1248L5i_00014	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1248s_00017	128 uL	PCB-1248 Peak 1	1600 ug/L
							PCB-1248 Peak 2	1600 ug/L
							PCB-1248 Peak 3	1600 ug/L
							PCB-1248 Peak 4	1600 ug/L
							PCB-1248 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1248s_00017	11/01/13	RESTEK, Lot A086044			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1248L3i_00017	11/01/13	08/08/13	HEXANE, Lot 492642	40 mL	GCSOM1248L4i_00011	20 mL	Aroclor-1248	400 ug/L
							PCB-1248 Peak 1	400 ug/L
							PCB-1248 Peak 2	400 ug/L
							PCB-1248 Peak 3	400 ug/L
							PCB-1248 Peak 4	400 ug/L
							PCB-1248 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1248L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1248L5i_00014	20 mL	Aroclor-1248	800 ug/L
							PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
..GCSOM1248L5i_00014	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1248s_00017	128 uL	Aroclor-1248	1600 ug/L
							PCB-1248 Peak 1	1600 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	1600 ug/L
							PCB-1248 Peak 3	1600 ug/L
							PCB-1248 Peak 4	1600 ug/L
							PCB-1248 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
...GC8082_1248s_00017	11/01/13		RESTEK, Lot A086044		(Purchased Reagent)		Aroclor-1248	1000 ug/mL
							PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
...GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
....GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
....GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1248L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1248L5i_00014	20 mL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1248L5i_00014	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1248s_00017	128 uL	PCB-1248 Peak 1	1600 ug/L
							PCB-1248 Peak 2	1600 ug/L
							PCB-1248 Peak 3	1600 ug/L
							PCB-1248 Peak 4	1600 ug/L
							PCB-1248 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1248s_00017	11/01/13		RESTEK, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1248L5i_00015	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1248s_00017	128 uL	PCB-1248 Peak 1	1600 ug/L
							PCB-1248 Peak 2	1600 ug/L
							PCB-1248 Peak 3	1600 ug/L
							PCB-1248 Peak 4	1600 ug/L
							PCB-1248 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1248s_00017	11/01/13		RESTEK, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1254L1i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1254L5i_00012	2.5 mL	PCB-1254 Peak 1	100 ug/L
							PCB-1254 Peak 2	100 ug/L
							PCB-1254 Peak 3	100 ug/L
							PCB-1254 Peak 4	100 ug/L
							PCB-1254 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1254L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1254s_00016	128 uL	PCB-1254 Peak 1	1600 ug/L
							PCB-1254 Peak 2	1600 ug/L
							PCB-1254 Peak 3	1600 ug/L
							PCB-1254 Peak 4	1600 ug/L
							PCB-1254 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1254s_00016	11/01/13		RESTEK, Lot A086766		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1254L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1254L5i_00012	5 mL	PCB-1254 Peak 1	200 ug/L
							PCB-1254 Peak 2	200 ug/L
							PCB-1254 Peak 3	200 ug/L
							PCB-1254 Peak 4	200 ug/L
							PCB-1254 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1254L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1254s_00016	128 uL	PCB-1254 Peak 1	1600 ug/L
							PCB-1254 Peak 2	1600 ug/L
							PCB-1254 Peak 3	1600 ug/L
							PCB-1254 Peak 4	1600 ug/L
							PCB-1254 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1254s_00016	11/01/13		RESTEK, Lot A086766		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1254L3i_00018	11/01/13	08/08/13	HEXANE, Lot 433089	40 mL	GCSOM1254L4i_00011	20 mL	Aroclor-1254	400 ug/L
							PCB-1254 Peak 1	400 ug/L
							PCB-1254 Peak 2	400 ug/L
							PCB-1254 Peak 3	400 ug/L
							PCB-1254 Peak 4	400 ug/L
							PCB-1254 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1254L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1254L5i_00012	20 mL	Aroclor-1254	800 ug/L
							PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
..GCSOM1254L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1254s_00016	128 uL	Aroclor-1254	1600 ug/L
							PCB-1254 Peak 1	1600 ug/L
							PCB-1254 Peak 2	1600 ug/L
							PCB-1254 Peak 3	1600 ug/L
							PCB-1254 Peak 4	1600 ug/L
							PCB-1254 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
...GC8082_1254s_00016	11/01/13	RESTEK, Lot A086766			(Purchased Reagent)		Aroclor-1254	1000 ug/mL
							PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
...GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
....GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
....GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1254L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1254L5i_00012	20 mL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1254L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1254s_00016	128 uL	PCB-1254 Peak 1	1600 ug/L
							PCB-1254 Peak 2	1600 ug/L
							PCB-1254 Peak 3	1600 ug/L
							PCB-1254 Peak 4	1600 ug/L
							PCB-1254 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1254s_00016	11/01/13	RESTEK, Lot A086766			(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1254L5i_00013	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1254s_00016	128 uL	PCB-1254 Peak 1	1600 ug/L
							PCB-1254 Peak 2	1600 ug/L
							PCB-1254 Peak 3	1600 ug/L
							PCB-1254 Peak 4	1600 ug/L
							PCB-1254 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1254s_00016	11/01/13	RESTEK, Lot A086766			(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1262L1i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1262L5i_00011	2.5 mL	PCB-1262 Peak 1	100 ug/L
							PCB-1262 Peak 2	100 ug/L
							PCB-1262 Peak 3	100 ug/L
							PCB-1262 Peak 4	100 ug/L
							PCB-1262 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1262L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1262s_00014	128 uL	PCB-1262 Peak 1	1600 ug/L
							PCB-1262 Peak 2	1600 ug/L
							PCB-1262 Peak 3	1600 ug/L
							PCB-1262 Peak 4	1600 ug/L
							PCB-1262 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..GC8082_1262s_00014	11/01/13		RESTEK, Lot A089218		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1262L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1262L5i_00011	5 mL	PCB-1262 Peak 1	200 ug/L
							PCB-1262 Peak 2	200 ug/L
							PCB-1262 Peak 3	200 ug/L
							PCB-1262 Peak 4	200 ug/L
							PCB-1262 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1262L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1262s_00014	128 uL	PCB-1262 Peak 1	1600 ug/L
							PCB-1262 Peak 2	1600 ug/L
							PCB-1262 Peak 3	1600 ug/L
							PCB-1262 Peak 4	1600 ug/L
							PCB-1262 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1262s_00014	11/01/13		RESTEK, Lot A089218		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1262L3i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1262L5i_00011	10 mL	PCB-1262 Peak 1	400 ug/L
							PCB-1262 Peak 2	400 ug/L
							PCB-1262 Peak 3	400 ug/L
							PCB-1262 Peak 4	400 ug/L
							PCB-1262 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1262L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1262s_00014	128 uL	PCB-1262 Peak 1	1600 ug/L
							PCB-1262 Peak 2	1600 ug/L
							PCB-1262 Peak 3	1600 ug/L
							PCB-1262 Peak 4	1600 ug/L
							PCB-1262 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1262s_00014	11/01/13		RESTEK, Lot A089218		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1262L4i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1262L5i_00011	20 mL	PCB-1262 Peak 1	800 ug/L
							PCB-1262 Peak 2	800 ug/L
							PCB-1262 Peak 3	800 ug/L
							PCB-1262 Peak 4	800 ug/L
							PCB-1262 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1262L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1262s_00014	128 uL	PCB-1262 Peak 1	1600 ug/L
							PCB-1262 Peak 2	1600 ug/L
							PCB-1262 Peak 3	1600 ug/L
							PCB-1262 Peak 4	1600 ug/L
							PCB-1262 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1262s_00014	11/01/13		RESTEK, Lot A089218		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1262L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1262s_00014	128 uL	PCB-1262 Peak 1	1600 ug/L
							PCB-1262 Peak 2	1600 ug/L
							PCB-1262 Peak 3	1600 ug/L
							PCB-1262 Peak 4	1600 ug/L
							PCB-1262 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1262s_00014	11/01/13		RESTEK, Lot A089218		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GCSOM1268L1i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1268L5i_00011	2.5 mL	PCB-1268 Peak 1	100 ug/L
							PCB-1268 Peak 2	100 ug/L
							PCB-1268 Peak 3	100 ug/L
							PCB-1268 Peak 4	100 ug/L
							PCB-1268 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1268L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1268s_00019	128 uL	PCB-1268 Peak 1	1600 ug/L
							PCB-1268 Peak 2	1600 ug/L
							PCB-1268 Peak 3	1600 ug/L
							PCB-1268 Peak 4	1600 ug/L
							PCB-1268 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1268s_00019	11/01/13	RESTEK, Lot A081888			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1268L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1268L5i_00011	5 mL	PCB-1268 Peak 1	200 ug/L
							PCB-1268 Peak 2	200 ug/L
							PCB-1268 Peak 3	200 ug/L
							PCB-1268 Peak 4	200 ug/L
							PCB-1268 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1268L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1268s_00019	128 uL	PCB-1268 Peak 1	1600 ug/L
							PCB-1268 Peak 2	1600 ug/L
							PCB-1268 Peak 3	1600 ug/L
							PCB-1268 Peak 4	1600 ug/L
							PCB-1268 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1268s_00019	11/01/13	RESTEK, Lot A081888			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1268L3i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1268L5i_00011	10 mL	PCB-1268 Peak 1	400 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	400 ug/L
							PCB-1268 Peak 3	400 ug/L
							PCB-1268 Peak 4	400 ug/L
							PCB-1268 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1268L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1268s_00019	128 uL	PCB-1268 Peak 1	1600 ug/L
							PCB-1268 Peak 2	1600 ug/L
							PCB-1268 Peak 3	1600 ug/L
							PCB-1268 Peak 4	1600 ug/L
							PCB-1268 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1268s_00019	11/01/13	RESTEK, Lot A081888			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1268L4i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1268L5i_00011	20 mL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1268L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1268s_00019	128 uL	PCB-1268 Peak 1	1600 ug/L
							PCB-1268 Peak 2	1600 ug/L
							PCB-1268 Peak 3	1600 ug/L
							PCB-1268 Peak 4	1600 ug/L
							PCB-1268 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1268s_00019	11/01/13	RESTEK, Lot A081888			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1268L5i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1268s_00019	128 uL	PCB-1268 Peak 1	1600 ug/L
							PCB-1268 Peak 2	1600 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 3	1600 ug/L
							PCB-1268 Peak 4	1600 ug/L
							PCB-1268 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1268s_00019	11/01/13	RESTEK, Lot A081888			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1660L1i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1660L5i_00012	2.5 mL	PCB-1016 Peak 1	100 ug/L
							PCB-1016 Peak 2	100 ug/L
							PCB-1016 Peak 3	100 ug/L
							PCB-1016 Peak 4	100 ug/L
							PCB-1016 Peak 5	100 ug/L
							PCB-1260 Peak 1	100 ug/L
							PCB-1260 Peak 2	100 ug/L
							PCB-1260 Peak 3	100 ug/L
							PCB-1260 Peak 4	100 ug/L
							PCB-1260 Peak 5	100 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOM1660L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1660s_00016	128 uL	PCB-1016 Peak 1	1600 ug/L
							PCB-1016 Peak 2	1600 ug/L
							PCB-1016 Peak 3	1600 ug/L
							PCB-1016 Peak 4	1600 ug/L
							PCB-1016 Peak 5	1600 ug/L
							PCB-1260 Peak 1	1600 ug/L
							PCB-1260 Peak 2	1600 ug/L
							PCB-1260 Peak 3	1600 ug/L
							PCB-1260 Peak 4	1600 ug/L
							PCB-1260 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1660s_00016	11/01/13	RESTEK, Lot A086503			(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
							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

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	1000 ug/mL
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1660L2i_00010	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1660L5i_00012	5 mL	PCB-1016 Peak 1	200 ug/L
							PCB-1016 Peak 2	200 ug/L
							PCB-1016 Peak 3	200 ug/L
							PCB-1016 Peak 4	200 ug/L
							PCB-1016 Peak 5	200 ug/L
							PCB-1260 Peak 1	200 ug/L
							PCB-1260 Peak 2	200 ug/L
							PCB-1260 Peak 3	200 ug/L
							PCB-1260 Peak 4	200 ug/L
							PCB-1260 Peak 5	200 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOM1660L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1660s_00016	128 uL	PCB-1016 Peak 1	1600 ug/L
							PCB-1016 Peak 2	1600 ug/L
							PCB-1016 Peak 3	1600 ug/L
							PCB-1016 Peak 4	1600 ug/L
							PCB-1016 Peak 5	1600 ug/L
							PCB-1260 Peak 1	1600 ug/L
							PCB-1260 Peak 2	1600 ug/L
							PCB-1260 Peak 3	1600 ug/L
							PCB-1260 Peak 4	1600 ug/L
							PCB-1260 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1660s_00016	11/01/13	RESTEK, Lot A086503			(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
							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
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1660L3i_00018	11/01/13	08/08/13	HEXANE, Lot 492642	40 mL	GCSOM1660L4i_00011	20 mL	Aroclor-1016	400 ug/L
							Aroclor-1260	400 ug/L
							PCB-1016 Peak 1	400 ug/L
							PCB-1016 Peak 2	400 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	400 ug/L
							PCB-1016 Peak 4	400 ug/L
							PCB-1016 Peak 5	400 ug/L
							PCB-1260 Peak 1	400 ug/L
							PCB-1260 Peak 2	400 ug/L
							PCB-1260 Peak 3	400 ug/L
							PCB-1260 Peak 4	400 ug/L
							PCB-1260 Peak 5	400 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOM1660L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1660L5i_00012	20 mL	Aroclor-1016	800 ug/L
							Aroclor-1260	800 ug/L
							PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
..GCSOM1660L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1660s_00016	128 uL	Aroclor-1016	1600 ug/L
							Aroclor-1260	1600 ug/L
							PCB-1016 Peak 1	1600 ug/L
							PCB-1016 Peak 2	1600 ug/L
							PCB-1016 Peak 3	1600 ug/L
							PCB-1016 Peak 4	1600 ug/L
							PCB-1016 Peak 5	1600 ug/L
							PCB-1260 Peak 1	1600 ug/L
							PCB-1260 Peak 2	1600 ug/L
							PCB-1260 Peak 3	1600 ug/L
							PCB-1260 Peak 4	1600 ug/L
							PCB-1260 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
...GC8082_1660s_00016	11/01/13		RESTEK, Lot A086503		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	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
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 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		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
...GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
....GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
....GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1660L4i_00011	11/01/13	05/07/13	HEXANE, Lot 433089	40 mL	GCSOM1660L5i_00012	20 mL	PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOM1660L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1660s_00016	128 uL	PCB-1016 Peak 1	1600 ug/L
							PCB-1016 Peak 2	1600 ug/L
							PCB-1016 Peak 3	1600 ug/L
							PCB-1016 Peak 4	1600 ug/L
							PCB-1016 Peak 5	1600 ug/L
							PCB-1260 Peak 1	1600 ug/L
							PCB-1260 Peak 2	1600 ug/L
							PCB-1260 Peak 3	1600 ug/L
							PCB-1260 Peak 4	1600 ug/L
							PCB-1260 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC8082_1660s_00016	11/01/13	RESTEK, Lot A086503			(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
							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
..GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOM1660L5i_00012	11/01/13	05/07/13	HEXANE, Lot 433089	80 mL	GC8082_1660s_00016	128 uL	PCB-1016 Peak 1	1600 ug/L
							PCB-1016 Peak 2	1600 ug/L
							PCB-1016 Peak 3	1600 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	1600 ug/L
							PCB-1016 Peak 5	1600 ug/L
							PCB-1260 Peak 1	1600 ug/L
							PCB-1260 Peak 2	1600 ug/L
							PCB-1260 Peak 3	1600 ug/L
							PCB-1260 Peak 4	1600 ug/L
							PCB-1260 Peak 5	1600 ug/L
					GCSOMSUi_00020	1280 uL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC8082_1660s_00016	11/01/13	RESTEK, Lot A086503			(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
							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
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL1i_00009	06/28/13	12/28/12	HEXANE, Lot 417697	40 mL	GCSOMPESTL5w_00012	2.5 mL	4,4'-DDD	10 ug/L
							4,4'-DDE	10 ug/L
							4,4'-DDT	10 ug/L
							Aldrin	5 ug/L
							alpha-BHC	5 ug/L
							alpha-Chlordane	5 ug/L
							beta-BHC	5 ug/L
							delta-BHC	5 ug/L
							Dieldrin	10 ug/L
							Endosulfan I	5 ug/L
							Endosulfan II	10 ug/L
							Endosulfan sulfate	10 ug/L
							Endrin	10 ug/L
							Endrin aldehyde	10 ug/L
							Endrin ketone	10 ug/L
							gamma-BHC (Lindane)	5 ug/L
							gamma-Chlordane	5 ug/L
							Heptachlor	5 ug/L
							Heptachlor epoxide	5 ug/L
							Methoxychlor	50 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00074	06/28/13	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL1i_00010	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMPESTL5w_00013	2.5 mL	4,4'-DDD	10 ug/L
							4,4'-DDE	10 ug/L
							4,4'-DDT	10 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	5 ug/L
							alpha-BHC	5 ug/L
							alpha-Chlordane	5 ug/L
							beta-BHC	5 ug/L
							delta-BHC	5 ug/L
							Dieldrin	10 ug/L
							Endosulfan I	5 ug/L
							Endosulfan II	10 ug/L
							Endosulfan sulfate	10 ug/L
							Endrin	10 ug/L
							Endrin aldehyde	10 ug/L
							Endrin ketone	10 ug/L
							gamma-BHC (Lindane)	5 ug/L
							gamma-Chlordane	5 ug/L
							Heptachlor	5 ug/L
							Heptachlor epoxide	5 ug/L
							Methoxychlor	50 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00078	01/02/14		Restek, Lot A087127		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 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		
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL2i_00009	06/28/13	12/28/12	HEXANE, Lot 417697	40 mL	GCSOMPESTL5w_00012	5 mL	4,4'-DDD	20 ug/L
							4,4'-DDE	20 ug/L
							4,4'-DDT	20 ug/L
							Aldrin	10 ug/L
							alpha-BHC	10 ug/L
							alpha-Chlordane	10 ug/L
							beta-BHC	10 ug/L
							delta-BHC	10 ug/L
							Dieldrin	20 ug/L
							Endosulfan I	10 ug/L
							Endosulfan II	20 ug/L
							Endosulfan sulfate	20 ug/L
							Endrin	20 ug/L
							Endrin aldehyde	20 ug/L
							Endrin ketone	20 ug/L
							gamma-BHC (Lindane)	10 ug/L
							gamma-Chlordane	10 ug/L
							Heptachlor	10 ug/L
							Heptachlor epoxide	10 ug/L
							Methoxychlor	100 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00074	06/28/13	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL2i_00010	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMPESTL5w_00013	5 mL	4,4'-DDD	20 ug/L
							4,4'-DDE	20 ug/L
							4,4'-DDT	20 ug/L
							Aldrin	10 ug/L
							alpha-BHC	10 ug/L
							alpha-Chlordane	10 ug/L
							beta-BHC	10 ug/L
							delta-BHC	10 ug/L
							Dieldrin	20 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	10 ug/L
							Endosulfan II	20 ug/L
							Endosulfan sulfate	20 ug/L
							Endrin	20 ug/L
							Endrin aldehyde	20 ug/L
							Endrin ketone	20 ug/L
							gamma-BHC (Lindane)	10 ug/L
							gamma-Chlordane	10 ug/L
							Heptachlor	10 ug/L
							Heptachlor epoxide	10 ug/L
							Methoxychlor	100 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00078	01/02/14		Restek, Lot A087127		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 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		
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL3w_00015	06/28/13	12/28/13	HEXANE, Lot 417697	40 mL	GCSOMPESTL5w_00012	10 mL	4,4'-DDD	40 ug/L
							4,4'-DDE	40 ug/L
							4,4'-DDT	40 ug/L
							Aldrin	20 ug/L
							alpha-BHC	20 ug/L
							alpha-Chlordane	20 ug/L
							beta-BHC	20 ug/L
							delta-BHC	20 ug/L
							Dieldrin	40 ug/L
							Endosulfan I	20 ug/L
							Endosulfan II	40 ug/L
							Endosulfan sulfate	40 ug/L
							Endrin	40 ug/L
							Endrin aldehyde	40 ug/L
							Endrin ketone	40 ug/L
							gamma-BHC (Lindane)	20 ug/L
							gamma-Chlordane	20 ug/L
							Heptachlor	20 ug/L
							Heptachlor epoxide	20 ug/L
							Methoxychlor	200 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00074	06/28/13	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL3w_00016	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMPESTL5w_00013	10 mL	4,4'-DDD	40 ug/L
							4,4'-DDE	40 ug/L
							4,4'-DDT	40 ug/L
							Aldrin	20 ug/L
							alpha-BHC	20 ug/L
							alpha-Chlordane	20 ug/L
							beta-BHC	20 ug/L
							delta-BHC	20 ug/L
							Dieldrin	40 ug/L
							Endosulfan I	20 ug/L
							Endosulfan II	40 ug/L
							Endosulfan sulfate	40 ug/L
							Endrin	40 ug/L
							Endrin aldehyde	40 ug/L
							Endrin ketone	40 ug/L

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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)	20 ug/L
							gamma-Chlordane	20 ug/L
							Heptachlor	20 ug/L
							Heptachlor epoxide	20 ug/L
							Methoxychlor	200 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00078	01/02/14		Restek, Lot A087127		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 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		
							Methoxychlor	80 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL4w_00011	06/28/13	12/28/12	HEXANE, Lot 417697	40 mL	GCSOMPESTL5w_00012	20 mL	4,4'-DDD	80 ug/L
							4,4'-DDE	80 ug/L
							4,4'-DDT	80 ug/L
							Aldrin	40 ug/L
							alpha-BHC	40 ug/L
							alpha-Chlordane	40 ug/L
							beta-BHC	40 ug/L
							delta-BHC	40 ug/L
							Dieldrin	80 ug/L
							Endosulfan I	40 ug/L
							Endosulfan II	80 ug/L
							Endosulfan sulfate	80 ug/L
							Endrin	80 ug/L
							Endrin aldehyde	80 ug/L
							Endrin ketone	80 ug/L
							gamma-BHC (Lindane)	40 ug/L
							gamma-Chlordane	40 ug/L
							Heptachlor	40 ug/L
							Heptachlor epoxide	40 ug/L
							Methoxychlor	400 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00074	06/28/13	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL4w_00012	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMPESTL5w_00013	20 mL	4,4'-DDD	80 ug/L
							4,4'-DDE	80 ug/L
							4,4'-DDT	80 ug/L
							Aldrin	40 ug/L
							alpha-BHC	40 ug/L
							alpha-Chlordane	40 ug/L
							beta-BHC	40 ug/L
							delta-BHC	40 ug/L
							Dieldrin	80 ug/L
							Endosulfan I	40 ug/L
							Endosulfan II	80 ug/L
							Endosulfan sulfate	80 ug/L
							Endrin	80 ug/L
							Endrin aldehyde	80 ug/L
							Endrin ketone	80 ug/L
							gamma-BHC (Lindane)	40 ug/L
							gamma-Chlordane	40 ug/L
							Heptachlor	40 ug/L
							Heptachlor epoxide	40 ug/L
							Methoxychlor	400 ug/L
							Decachlorobiphenyl	80 ug/L

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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	40 ug/L
.GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00078	01/02/14	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 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		
GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.EXPestAB#2SPs_00074	06/28/13		Restek, Lot A087127		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
.GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00020	06/28/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00027	06/28/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.EXPestAB#2SPs_00078	01/02/14	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
.GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPIBLKw_00007	06/28/13	01/21/13	HEXANE, Lot 430738	250 mL	GCSOMSUi_00019	1 mL	Decachlorobiphenyl	0.04 ug/mL
							Tetrachloro-m-xylene	0.02 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		
.GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMPIBLKw_00008	11/07/13	06/25/13	HEXANE, Lot 492642	250 mL	GCSOMSUi_00020	1 mL	Decachlorobiphenyl	0.04 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
.GCSOMSUi_00020	11/07/13	05/07/13	HEXANE, Lot 433089	20 mL	GCDCBSUs_00021	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00028	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00021	11/07/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00028	11/07/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMRESCw_00009	06/28/13	12/31/12	HEXANE, Lot 414697	40 mL	GCSOMPESTL5w_00012	5 mL	4,4'-DDD	20 ug/L
							4,4'-DDE	20 ug/L
							4,4'-DDT	20 ug/L
							Aldrin	10 ug/L
							alpha-BHC	10 ug/L
							alpha-Chlordane	10 ug/L
							beta-BHC	10 ug/L
							delta-BHC	10 ug/L
							Dieldrin	20 ug/L
							Endosulfan I	10 ug/L
							Endosulfan II	20 ug/L
							Endosulfan sulfate	20 ug/L
							Endrin	20 ug/L
							Endrin aldehyde	20 ug/L
							Endrin ketone	20 ug/L
							gamma-BHC (Lindane)	10 ug/L
							gamma-Chlordane	10 ug/L
							Heptachlor	10 ug/L
							Heptachlor epoxide	10 ug/L
							Methoxychlor	100 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOMPESTL5w_00012	06/28/13	12/28/12	HEXANE, Lot 417697	100 mL	EXPestAB#2SPs_00074	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L

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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)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00074	06/28/13	Restek, Lot A087127			(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMRESCw_00010	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMPESTL5w_00013	5 mL	4,4'-DDD	20 ug/L
							4,4'-DDE	20 ug/L
							4,4'-DDT	20 ug/L
							Aldrin	10 ug/L
							alpha-BHC	10 ug/L
							alpha-Chlordane	10 ug/L
							beta-BHC	10 ug/L
							delta-BHC	10 ug/L
							Dieldrin	20 ug/L
							Endosulfan I	10 ug/L
							Endosulfan II	20 ug/L
							Endosulfan sulfate	20 ug/L
							Endrin	20 ug/L
							Endrin aldehyde	20 ug/L
							Endrin ketone	20 ug/L
							gamma-BHC (Lindane)	10 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-Chlordane	10 ug/L
							Heptachlor	10 ug/L
							Heptachlor epoxide	10 ug/L
							Methoxychlor	100 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOMPESTL5w_00013	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXPestAB#2SPs_00078	1 mL	4,4'-DDD	160 ug/L
							4,4'-DDE	160 ug/L
							4,4'-DDT	160 ug/L
							Aldrin	80 ug/L
							alpha-BHC	80 ug/L
							alpha-Chlordane	80 ug/L
							beta-BHC	80 ug/L
							delta-BHC	80 ug/L
							Dieldrin	160 ug/L
							Endosulfan I	80 ug/L
							Endosulfan II	160 ug/L
							Endosulfan sulfate	160 ug/L
							Endrin	160 ug/L
							Endrin aldehyde	160 ug/L
							Endrin ketone	160 ug/L
							gamma-BHC (Lindane)	80 ug/L
							gamma-Chlordane	80 ug/L
							Heptachlor	80 ug/L
							Heptachlor epoxide	80 ug/L
							Methoxychlor	800 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXPestAB#2SPs_00078	01/02/14		Restek, Lot A087127		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMTOXL1w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	40 mL	GCSOMTOXL5w_00006	2.5 mL	Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
							Toxaphene	500 ug/L
							Toxaphene Peak 1	500 ug/L
							Toxaphene Peak 2	500 ug/L
							Toxaphene Peak 3	500 ug/L
							Toxaphene Peak 4	500 ug/L
							Toxaphene Peak 5	500 ug/L
.GCSOMTOXL5w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	100 mL	GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
					GCTOXCALs_00021	800 uL	Toxaphene	8000 ug/L
							Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
..GCTOXCALs_00021	06/30/13	Restek, Lot A085875			(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
GCSOMTOXL1w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMTOXL5w_00008	2.5 mL	Toxaphene	500 ug/L
							Toxaphene Peak 1	500 ug/L
							Toxaphene Peak 2	500 ug/L
							Toxaphene Peak 3	500 ug/L
							Toxaphene Peak 4	500 ug/L
							Toxaphene Peak 5	500 ug/L
							Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCSOMTOXL5w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXTOXSPs_00015	800 uL	Toxaphene	8000 ug/L
							Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXTOXSPs_00015	01/02/14	Restek, Lot A083442			(Purchased Reagent)		Toxaphene	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMTOXL2w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	40 mL	GCSOMTOXL5w_00006	5 mL	Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
							Toxaphene Peak 1	1000 ug/L
							Toxaphene Peak 2	1000 ug/L
							Toxaphene Peak 3	1000 ug/L
							Toxaphene Peak 4	1000 ug/L
							Toxaphene Peak 5	1000 ug/L
.GCSOMTOXL5w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	100 mL	GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
					GCTOXCALs_00021	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
..GCTOXCALs_00021	06/30/13	Restek, Lot A085875			(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
							Toxaphene Peak 5	1000 ug/mL
GCSOMTOXL2w_00007	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMTOXL5w_00008	5 mL	Toxaphene Peak 1	1000 ug/L
							Toxaphene Peak 2	1000 ug/L
							Toxaphene Peak 3	1000 ug/L
							Toxaphene Peak 4	1000 ug/L
							Toxaphene Peak 5	1000 ug/L
							Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCSOMTOXL5w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXTOXSPs_00015	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
..EXTOXSPs_00015	01/02/14	Restek, Lot A083442			(Purchased Reagent)		Toxaphene Peak 1	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMTOXL3w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	40 mL	GCSOMTOXL5w_00006	10 mL	Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
							Toxaphene Peak 1	2000 ug/L
							Toxaphene Peak 2	2000 ug/L
							Toxaphene Peak 3	2000 ug/L
							Toxaphene Peak 4	2000 ug/L
							Toxaphene Peak 5	2000 ug/L
.GCSOMTOXL5w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	100 mL	GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
					GCTOXCALs_00021	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
..GCTOXCALs_00021	06/30/13	Restek, Lot A085875			(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
							Toxaphene Peak 5	1000 ug/mL
GCSOMTOXL3w_00007	01/02/14	07/02/13	HEXANE, Lot 492642	40 mL	GCSOMTOXL5w_00008	10 mL	Toxaphene	2000 ug/L
							Toxaphene Peak 1	2000 ug/L
							Toxaphene Peak 2	2000 ug/L
							Toxaphene Peak 3	2000 ug/L
							Toxaphene Peak 4	2000 ug/L
							Toxaphene Peak 5	2000 ug/L
							Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCSOMTOXL5w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXTOXSPs_00015	800 uL	Toxaphene	8000 ug/L
							Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..EXTOXSPs_00015	01/02/14		Restek, Lot A083442		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMTOXL4w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	40 mL	GCSOMTOXL5w_00006	20 mL	Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
							Toxaphene Peak 1	4000 ug/L
							Toxaphene Peak 2	4000 ug/L
							Toxaphene Peak 3	4000 ug/L
							Toxaphene Peak 4	4000 ug/L
							Toxaphene Peak 5	4000 ug/L
.GCSOMTOXL5w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	100 mL	GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
					GCTOXCALs_00021	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
..GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00020	06/28/13		Ultra Scientific, Lot CC-3147Z		(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00027	06/28/13		Ultra Scientific, Lot CG-1919		(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
..GCTOXCALs_00021	06/30/13		Restek, Lot A085875		(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
							Toxaphene Peak 5	1000 ug/mL
GCSOMTOXL4w_00007	01/02/14	07/02/13	HEXANE, Lot 483642	40 mL	GCSOMTOXL5w_00008	20 mL	Toxaphene Peak 1	4000 ug/L
							Toxaphene Peak 2	4000 ug/L
							Toxaphene Peak 3	4000 ug/L
							Toxaphene Peak 4	4000 ug/L
							Toxaphene Peak 5	4000 ug/L
							Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCSOMTOXL5w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXTOXSPs_00015	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..EXTOXSPs_00015	01/02/14	Restek, Lot A083442			(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
							Toxaphene Peak 5	1000 ug/mL
..GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
...GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
...GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
GCSOMTOXL5w_00006	06/28/13	12/31/12	HEXANE, Lot 414697	100 mL	GCSOMSUi_00019	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
					GCTOXCALs_00021	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
.GCSOMSUi_00019	06/28/13	12/28/12	HEXANE, Lot 414697	20 mL	GCDCBSUs_00020	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00027	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00020	06/28/13	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00027	06/28/13	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
.GCTOXCALs_00021	06/30/13	Restek, Lot A085875			(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
							Toxaphene Peak 5	1000 ug/mL
GCSOMTOXL5w_00008	01/02/14	07/02/13	HEXANE, Lot 492642	100 mL	EXTOXSPs_00015	800 uL	Toxaphene Peak 1	8000 ug/L
							Toxaphene Peak 2	8000 ug/L
							Toxaphene Peak 3	8000 ug/L
							Toxaphene Peak 4	8000 ug/L
							Toxaphene Peak 5	8000 ug/L
					GCSOMSUi_00021	1.6 mL	Decachlorobiphenyl	160 ug/L
							Tetrachloro-m-xylene	80 ug/L
.EXTOXSPs_00015	01/02/14	Restek, Lot A083442			(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
							Toxaphene Peak 5	1000 ug/mL
.GCSOMSUi_00021	01/02/14	07/02/13	HEXANE, Lot 492642	20 mL	GCDCBSUs_00022	200 uL	Decachlorobiphenyl	10 ug/mL
					GCTCXSUs_00029	50 uL	Tetrachloro-m-xylene	5 ug/mL
..GCDCBSUs_00022	01/02/14	Ultra Scientific, Lot CC-3147Z			(Purchased Reagent)		Decachlorobiphenyl	1000 ug/mL
..GCTCXSUs_00029	01/30/14	Ultra Scientific, Lot CG-1919			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
SVBenzidnCALi_00020	02/02/14	08/02/13	MeCL2, Lot 531317	2450 uL	SVBenzCALs_00022	1225 uL	3,3'-Dichlorobenzidine	1000 ug/mL
.SVBenzCALs_00022	10/31/17	Restek, Lot A094330			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
SVBNAISTDISi_00034	01/17/14	07/17/13	MeCL2, Lot 526556	10000 uL	SVBNAISTDs_00040	1250 uL	1,4-Dichlorobenzene-d4	500 ug/mL
							Acenaphthene-d10	500 ug/mL
							Chrysene-d12	500 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	500 ug/mL
							Perylene-d12	500 ug/mL
							Phenanthrene-d10	500 ug/mL
.SVBNAISTDs_00040	07/31/18		Restek, Lot A090296		(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
SVDFTPPMIXi_00034	02/01/14	07/09/13	MeCL2, Lot 531317	16 mL	SVGCMSTunes_00021	400 uL	DFTPP	25 ug/mL
.SVGCMSTunes_00021	02/01/14		Ultra Scientific, Lot CH-2301		(Purchased Reagent)		DFTPP	1000 ug/mL
SVDIOXHCALi_00011	10/22/13	04/22/13	METHANOL, Lot RESTEK	2200 uL	SVr30287s_00009	1100 uL	1,4-Dioxane	1000 ug/mL
					SVr30614s_00009	1100 uL	1,4-Dioxane-d8	1000 ug/mL
.SVr30287s_00009	10/22/13		Restek, Lot A086864		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
.SVr30614s_00009	10/22/13		Restek, Lot A086701		(Purchased Reagent)		1,4-Dioxane-d8	2000 ug/mL
SVDIOXLCALi_00010	10/22/13	04/22/13	MeCL2, Lot 483157	4 mL	SVDIOXHCALi_00011	400 uL	1,4-Dioxane	100 ug/mL
							1,4-Dioxane-d8	100 ug/mL
.SVDIOXHCALi_00011	10/22/13	04/22/13	METHANOL, Lot RESTEK	2200 uL	SVr30287s_00009	1100 uL	1,4-Dioxane	1000 ug/mL
					SVr30614s_00009	1100 uL	1,4-Dioxane-d8	1000 ug/mL
..SVr30287s_00009	10/22/13		Restek, Lot A086864		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SVr30614s_00009	10/22/13		Restek, Lot A086701		(Purchased Reagent)		1,4-Dioxane-d8	2000 ug/mL
SVOLMaddCALi_00021	01/18/14	07/18/13	MeCL2, Lot restek solutions	2300 uL	SV8270NNitros_00003	1150 uL	N-Nitrosodiphenylamine	1000 ug/mL
					SVOLMSVMixs_00034	1150 uL	1,1'-Biphenyl	1000 ug/mL
							Acetophenone	1000 ug/mL
							Atrazine	1000 ug/mL
							Benzaldehyde	1000 ug/mL
							Caprolactam	1000 ug/mL
.SV8270NNitros_00003	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.SVOLMSVMixs_00034	11/30/14		Supelco, Lot LB96610		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
SVSOMaddCALi_00011	01/09/14	07/09/13	MeCL2, Lot 521590	2400 uL	SVSOMDMCACDs_00010	1200 uL	2,4-Dichlorophenol-d3	1000 ug/mL
							2-Chlorophenol-d4	1000 ug/mL
							2-Nitrophenol-d4	1000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	1000 ug/mL
							4-Methylphenol-d8	1000 ug/mL
							4-Nitrophenol-d4	1000 ug/mL
							Phenol-d5	1000 ug/mL
					SVSOMDMCBNs_00009	1200 uL	4-Chloroaniline-d4	1000 ug/mL
							Acenaphthylene-d8	1000 ug/mL
							Anthracene-d10	1000 ug/mL
							Benzo(a)pyrene-d12	1000 ug/mL
							Bis(2-chloroethyl)ether-d8	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylphthalate-d6	1000 ug/mL
							Fluorene-d10	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Pyrene-d10	1000 ug/mL
.SVSOMDMCACDs_00010	12/13/15		Absolute, Lot 121310		(Purchased Reagent)		2,4-Dichlorophenol-d3	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Nitrophenol-d4	2000 ug/mL
							4,6-Dinitro-2-methylphenol-d2	2000 ug/mL
							4-Methylphenol-d8	2000 ug/mL
							4-Nitrophenol-d4	2000 ug/mL
							Phenol-d5	2000 ug/mL
.SVSOMDMCBNs_00009	12/13/15		Absolute, Lot 121310		(Purchased Reagent)		4-Chloroaniline-d4	2000 ug/mL
							Acenaphthylene-d8	2000 ug/mL
							Anthracene-d10	2000 ug/mL
							Benzo(a)pyrene-d12	2000 ug/mL
							Bis(2-chloroethyl)ether-d8	2000 ug/mL
							Dimethylphthalate-d6	2000 ug/mL
							Fluorene-d10	2000 ug/mL
							Nitrobenzene-d5	2000 ug/mL
							Pyrene-d10	2000 ug/mL
SVStockCALi_00037	01/05/14	08/02/13	MeCL2, Lot 531317	6600 uL	SVCRAP9w/BAs_00031	1100 uL	1,2,4,5-Tetrachlorobenzene	166.667 ug/mL
					SVRevMegaMixs_00035	1100 uL	2,2'-Oxybis(1-chloropropane)	166.667 ug/mL
							2,3,4,6-Tetrachlorophenol	166.667 ug/mL
							2,4,5-Trichlorophenol	166.667 ug/mL
							2,4,6-Trichlorophenol	166.667 ug/mL
							2,4-Dichlorophenol	166.667 ug/mL
							2,4-Dimethylphenol	166.667 ug/mL
							2,4-Dinitrophenol	166.667 ug/mL
							2,4-Dinitrotoluene	166.667 ug/mL
							2,6-Dinitrotoluene	166.667 ug/mL
							2-Chloronaphthalene	166.667 ug/mL
							2-Chlorophenol	166.667 ug/mL
							2-Methylnaphthalene	166.667 ug/mL
							2-Methylphenol	166.667 ug/mL
							2-Nitroaniline	166.667 ug/mL
							2-Nitrophenol	166.667 ug/mL
							3-Nitroaniline	166.667 ug/mL
							4,6-Dinitro-2-methylphenol	166.667 ug/mL
							4-Bromophenyl-phenylether	166.667 ug/mL
							4-Chloro-3-methylphenol	166.667 ug/mL
							4-Chloroaniline	166.667 ug/mL
							4-Chlorophenyl-phenylether	166.667 ug/mL
							4-Methylphenol	166.667 ug/mL
							4-Nitroaniline	166.667 ug/mL
							4-Nitrophenol	166.667 ug/mL
							Acenaphthene	166.667 ug/mL
							Acenaphthylene	166.667 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	166.667 ug/mL
							Benzo(a)anthracene	166.667 ug/mL
							Benzo(a)pyrene	166.667 ug/mL
							Benzo(b)fluoranthene	166.667 ug/mL
							Benzo(g,h,i)perylene	166.667 ug/mL
							Benzo(k)fluoranthene	166.667 ug/mL
							Bis(2-chloroethoxy)methane	166.667 ug/mL
							Bis(2-chloroethyl)ether	166.667 ug/mL
							Bis(2-ethylhexyl)phthalate	166.667 ug/mL
							Butylbenzylphthalate	166.667 ug/mL
							Carbazole	166.667 ug/mL
							Chrysene	166.667 ug/mL
							Di-n-butylphthalate	166.667 ug/mL
							Di-n-octylphthalate	166.667 ug/mL
							Dibenzo(a,h)anthracene	166.667 ug/mL
							Dibenzofuran	166.667 ug/mL
							Diethylphthalate	166.667 ug/mL
							Dimethylphthalate	166.667 ug/mL
							Fluoranthene	166.667 ug/mL
							Fluorene	166.667 ug/mL
							Hexachlorobenzene	166.667 ug/mL
							Hexachlorobutadiene	166.667 ug/mL
							Hexachlorocyclopentadiene	166.667 ug/mL
							Hexachloroethane	166.667 ug/mL
							Indeno(1,2,3-cd)pyrene	166.667 ug/mL
							Isophorone	166.667 ug/mL
							N-Nitroso-di-n-propylamine	166.667 ug/mL
							Naphthalene	166.667 ug/mL
							Nitrobenzene	166.667 ug/mL
							Pentachlorophenol	166.667 ug/mL
							Phenanthrene	166.667 ug/mL
							Phenol	166.667 ug/mL
							Pyrene	166.667 ug/mL
.SVCRAP9w/BAs_00031	01/05/14		Restek, Lot A090891		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
.SVRevMegaMixs_00035	01/31/15		Restek, Lot A096553		(Purchased Reagent)		2,2'-Oxybis(1-chloropropane)	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenylether	1000 ug/mL
							4-Methylphenol	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
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butylphthalate	1000 ug/mL
							Di-n-octylphthalate	1000 ug/mL
							Dibenzo(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethylphthalate	1000 ug/mL
							Dimethylphthalate	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
							N-Nitroso-di-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
VMBFBw_00010	06/06/13	12/06/12	METHANOL, Lot 114965	25 mL	VMBFBs_00010	125 uL	BFB	25 ug/mL
.VMBFBs_00010	06/07/16		RESTEK, Lot A082468		(Purchased Reagent)		BFB	5000 ug/mL

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SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMBFBw_00011	12/11/13	06/11/13	METHANOL, Lot 124454	25 mL	VMBFBs_00011	125 uL	BFB	25 ug/mL
.VMBFBs_00011	12/11/18		RESTEK, Lot A091069		(Purchased Reagent)		BFB	5000 ug/mL
VMSOMCALawMA_00014	05/10/13	04/10/13	METHANOL, Lot 123279	4000 uL	VM524CALas_00018	400 uL	1,3,5-Trichlorobenzene	100 ug/mL
					VM8260CALbs_00112	200 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
					VMSOMCALas_00012	200 uL	1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,2,3-Trichlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dibromo-3-chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							Benzene	100 ug/mL
							Bromochloromethane	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Ethylbenzene	100 ug/mL
							Isopropylbenzene	100 ug/mL
							m,p-Xylene	100 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene chloride	100 ug/mL
							o-Xylene	100 ug/mL
							Styrene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Toluene	100 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							Trichloroethene	100 ug/mL
					VMSOMCALbs_00016	160 uL	2-Butanone	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone	200 ug/mL
							Acetone	200 ug/mL
					VMSOMSUas_00057	200 uL	Chloroethane-d5	100 ug/mL
							Vinyl chloride-d3	100 ug/mL
					VMSOMSUbs_00084	320 uL	2-Butanone-d5	200 ug/mL
							2-Hexanone-d5	200 ug/mL
					VMSOMSUcs_00034	200 uL	1,1,2,2-Tetrachloroethane-d2	100 ug/mL
							1,1-Dichloroethene-d2	100 ug/mL
							1,2-Dichlorobenzene-d4	100 ug/mL
							1,2-Dichloroethane-d4	100 ug/mL
							1,2-Dichloropropane-d6	100 ug/mL
							Benzene-d6	100 ug/mL
							Chloroform-d	100 ug/mL
							Toluene-d8	100 ug/mL
							trans-1,3-Dichloropropene-d4	100 ug/mL
.VM524CALas_00018	06/12/15		RESTEK, Lot A089636		(Purchased Reagent)		1,3,5-Trichlorobenzene	1000 ug/mL
.VM8260CALbs_00112	05/30/18		RESTEK, Lot A087953		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.VMSOMCALas_00012	06/30/13		Restek, Lot A075266		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-chloropropane	2000 ug/mL
							1,2-Dibromoethane	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
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m,p-Xylene	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 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
.VMSOMCALbs_00016	07/08/15		Restek, Lot A084962		(Purchased Reagent)		2-Butanone	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone	5000 ug/mL
							Acetone	5000 ug/mL
.VMSOMSUas_00057	10/10/15		Absolute, Lot 040312		(Purchased Reagent)		Chloroethane-d5	2000 ug/mL
							Vinyl chloride-d3	2000 ug/mL
.VMSOMSUbs_00084	10/10/15		Absolute, Lot 101912		(Purchased Reagent)		2-Butanone-d5	2500 ug/mL
							2-Hexanone-d5	2500 ug/mL
.VMSOMSUcs_00034	07/21/13		Absolute, Lot 040912		(Purchased Reagent)		1,1,2,2-Tetrachloroethane-d2	2000 ug/mL
							1,1-Dichloroethene-d2	2000 ug/mL
							1,2-Dichlorobenzene-d4	2000 ug/mL
							1,2-Dichloroethane-d4	2000 ug/mL
							1,2-Dichloropropane-d6	2000 ug/mL
							Benzene-d6	2000 ug/mL
							Chloroform-d	2000 ug/mL
							Toluene-d8	2000 ug/mL
							trans-1,3-Dichloropropene-d4	2000 ug/mL
VMSOMCALawMA_00018	08/18/13	07/29/13	METHANOL, Lot 124454	4000 uL	VM8260CALbs_00131	200 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
					VMSOMCALas_00017	200 uL	1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,2,3-Trichlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dibromo-3-chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							Benzene	100 ug/mL
							Bromochloromethane	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Ethylbenzene	100 ug/mL
							Isopropylbenzene	100 ug/mL
							m,p-Xylene	100 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene chloride	100 ug/mL
							o-Xylene	100 ug/mL
							Styrene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							Trichloroethene	100 ug/mL
					VMSOMCALbs_00021	160 uL	2-Butanone	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone	200 ug/mL
							Acetone	200 ug/mL
					VMSOMSUas_00060	200 uL	Chloroethane-d5	100 ug/mL
							Vinyl chloride-d3	100 ug/mL
					VMSOMSUbs_00090	320 uL	2-Butanone-d5	200 ug/mL
							2-Hexanone-d5	200 ug/mL
					VMSOMSUcs_00039	200 uL	1,1,2,2-Tetrachloroethane-d2	100 ug/mL
							1,1-Dichloroethene-d2	100 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene-d4	100 ug/mL
							1,2-Dichloroethane-d4	100 ug/mL
							1,2-Dichloropropane-d6	100 ug/mL
							Benzene-d6	100 ug/mL
							Chloroform-d	100 ug/mL
							Toluene-d8	100 ug/mL
							trans-1,3-Dichloropropene-d4	100 ug/mL
.VM8260CALbs_00131	08/18/13		RESTEK, Lot A093159		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.VMSOMCALas_00017	12/01/13		Restek, Lot A086827		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-chloropropane	2000 ug/mL
							1,2-Dibromoethane	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
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	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
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m,p-Xylene	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene chloride	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.VMSOMCALbs_00021	01/01/15		Restek, Lot A090791		(Purchased Reagent)		2-Butanone	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone	5000 ug/mL
							Acetone	5000 ug/mL
.VMSOMSUas_00060	03/05/16		Absolute, Lot 030513		(Purchased Reagent)		Chloroethane-d5	2000 ug/mL
							Vinyl chloride-d3	2000 ug/mL
.VMSOMSUbs_00090	11/30/15		Absolute, Lot 113012		(Purchased Reagent)		2-Butanone-d5	2500 ug/mL
							2-Hexanone-d5	2500 ug/mL
.VMSOMSUcs_00039	11/01/15		Absolute, Lot 040912		(Purchased Reagent)		1,1,2,2-Tetrachloroethane-d2	2000 ug/mL
							1,1-Dichloroethene-d2	2000 ug/mL
							1,2-Dichlorobenzene-d4	2000 ug/mL
							1,2-Dichloroethane-d4	2000 ug/mL
							1,2-Dichloropropane-d6	2000 ug/mL
							Benzene-d6	2000 ug/mL
							Chloroform-d	2000 ug/mL
							Toluene-d8	2000 ug/mL
							trans-1,3-Dichloropropene-d4	2000 ug/mL
VMSOMCALbw_00053	05/10/13	04/10/13	METHANOL, Lot 123279	2500 uL	VMSOMCALcs_00052	1250 uL	1,4-Dioxane	2000 ug/mL
					VMSOMSUds_00029	160 uL	1,4-Dioxane-d8	2000 ug/mL
.VMSOMCALcs_00052	10/10/13		Restek, Lot A091038		(Purchased Reagent)		1,4-Dioxane	4000 ug/mL
.VMSOMSUds_00029	10/10/15		Absolute, Lot 052512		(Purchased Reagent)		1,4-Dioxane-d8	31250 ug/mL
VMSOMCALbw_00057	08/29/13	07/29/13	METHANOL, Lot 124454	2500 uL	VMSOMCALcs_00060	1250 uL	1,4-Dioxane	2000 ug/mL
					VMSOMSUds_00030	160 uL	1,4-Dioxane-d8	2000 ug/mL
.VMSOMCALcs_00060	04/30/18		Restek, Lot A095042		(Purchased Reagent)		1,4-Dioxane	4000 ug/mL
.VMSOMSUds_00030	11/30/15		Absolute, Lot 052512		(Purchased Reagent)		1,4-Dioxane-d8	31250 ug/mL
VMSOMISw_00066	05/10/13	04/10/13	METHANOL, Lot 123279	4000 uL	VMSOMISs_00017	160 uL	1,4-Dichlorobenzene-d4	100 ug/mL
							1,4-Difluorobenzene	100 ug/mL
							Chlorobenzene-d5	100 ug/mL
.VMSOMISs_00017	05/21/13		RESTEK, Lot A075426		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							1,4-Difluorobenzene	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
VMSOMISw_00072	08/29/13	07/29/13	METHANOL, Lot 124454	4000 uL	VMSOMISs_00020	160 uL	1,4-Dichlorobenzene-d4	100 ug/mL
							1,4-Difluorobenzene	100 ug/mL
							Chlorobenzene-d5	100 ug/mL
.VMSOMISs_00020	11/13/13		RESTEK, Lot A090187		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							1,4-Difluorobenzene	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
VMSOMSUw_00056	08/29/13	07/29/13	METHANOL, Lot 124454	4000 uL	VMSOMSUas_00059	200 uL	Chloroethane-d5	100 ug/mL
							Vinyl chloride-d3	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VMSOMSUbs_00088	320 uL	2-Butanone-d5	200 ug/mL
							2-Hexanone-d5	200 ug/mL
					VMSOMSUcs_00036	200 uL	1,1,2,2-Tetrachloroethane-d2	100 ug/mL
							1,1-Dichloroethene-d2	100 ug/mL
							1,2-Dichlorobenzene-d4	100 ug/mL
							1,2-Dichloroethane-d4	100 ug/mL
							1,2-Dichloropropane-d6	100 ug/mL
							Benzene-d6	100 ug/mL
							Chloroform-d	100 ug/mL
							Toluene-d8	100 ug/mL
							trans-1,3-Dichloropropene-d4	100 ug/mL
					VMSOMSUds_00030	256 uL	1,4-Dioxane-d8	2000 ug/mL
.VMSOMSUas_00059	11/30/16		Absolute, Lot 030513		(Purchased Reagent)		Chloroethane-d5	2000 ug/mL
							Vinyl chloride-d3	2000 ug/mL
.VMSOMSUbs_00088	01/11/14		Absolute, Lot 101912		(Purchased Reagent)		2-Butanone-d5	2500 ug/mL
							2-Hexanone-d5	2500 ug/mL
.VMSOMSUcs_00036	04/09/15		Absolute, Lot 040912		(Purchased Reagent)		1,1,2,2-Tetrachloroethane-d2	2000 ug/mL
							1,1-Dichloroethene-d2	2000 ug/mL
							1,2-Dichlorobenzene-d4	2000 ug/mL
							1,2-Dichloroethane-d4	2000 ug/mL
							1,2-Dichloropropane-d6	2000 ug/mL
							Benzene-d6	2000 ug/mL
							Chloroform-d	2000 ug/mL
							Toluene-d8	2000 ug/mL
							trans-1,3-Dichloropropene-d4	2000 ug/mL
.VMSOMSUds_00030	11/30/15		Absolute, Lot 052512		(Purchased Reagent)		1,4-Dioxane-d8	31250 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent Container	Reagent ID	Reagent Description	Preparation Date	Expiration Date
434952	VMBFBw_00010	BFB TUNE 25 PPM	12/06/2012	06/06/2013
444298	GCSOMPESTL5w_00012	SOM Pesticide Level 5 80-800ug/L	12/28/2012	06/28/2013
444299	GCSOMPESTL4w_00011	SOM Pesticide Level 4 40-400ug/L	12/28/2012	06/28/2013
444300	GCSOMPESTL3w_00015	SOM Pesticide Level 3 20-200ug/L	12/28/2013	06/28/2013
444301	GCSOMPESTL2i_00009	SOM Pesticide Level 2 10-100ug/L	12/28/2012	06/28/2013
444302	GCSOMPESTL1i_00009	SOM Pesticide Level 1 5-50ug/L	12/28/2012	06/28/2013
444306	GCSOMTOXL5w_00006	SOM Toxaphene Level 5 80-8000ug/L	12/31/2012	06/28/2013
444307	GCSOMTOXL4w_00006	SOM Toxaphene Level 4 40-4000ug/L	12/31/2012	06/28/2013
444309	GCSOMTOXL3w_00006	SOM Toxaphene Level 3 20-2000ug/L	12/31/2012	06/28/2013
444310	GCSOMTOXL2w_00006	SOM Toxaphene Level 2 10-1000ug/L	12/31/2012	06/28/2013
444311	GCSOMTOXL1w_00006	SOM Toxaphene Level 1 5-500ug/L	12/31/2012	06/28/2013
444312	GCSOMRESCw_00009	SOM Resolution Check 10-100PPB	12/31/2012	06/28/2013
452067	GCSOMPIBLKw_00007	SOM PIBLK 20-40 PPB	01/21/2013	06/28/2013
452754	GCPEMw_00015	PEM/BCS 10-250ug/L	01/23/2013	07/23/2013
466132	EX245TCPSPi_00015	2,4,5 Trichlorophenol for Florisil Check	03/04/2013	03/18/2013
466135	Florisil_S_00012	Florisil Cartridges-6mL	03/04/2013	09/04/2013
481123	VMSOMISw_00066	SOM ISTD 100 PPM	04/10/2013	05/10/2013
481126	VMSOMCALawMA_00014	SOM CAL 100 PPM- 135TCB	04/10/2013	05/10/2013
481127	VMSOMCALbw_00053	SOM DIOXANE CAL 2000 PPM	04/10/2013	05/10/2013
485923	SVDIOXHCALi_00011	SOM Dioxane Added 1000PPM	04/22/2013	10/22/2013
485924	SVDIOXLCALi_00010	SOM Dioxane Mix 100PPM	04/22/2013	10/22/2013
491867	GCSOM1660L5i_00012	SOM AR1660 Level 5 80-1600ug/L	05/07/2013	11/01/2013
491868	GCSOM1268L5i_00011	SOM AR1268 Level 5 80-1600ug/L	05/07/2013	11/01/2013
491869	GCSOM1262L5i_00011	SOM AR1262 Level 5 80-1600ug/L	05/07/2013	11/01/2013
491878	GCSOM1232L5i_00010	SOM AR1232 Level 5 80-1600ug/L	05/07/2013	11/01/2013
491879	GCSOM1221L5i_00011	SOM AR1221 Level 5 80-1600ug/L	05/07/2013	11/01/2013
491987	GCSOM1268L4i_00010	SOM AR1268 Level 4 40-800ug/L	05/07/2013	11/01/2013
491989	GCSOM1268L3i_00012	SOM AR1268 Level 3 20-400ug/L	05/07/2013	11/01/2013
491990	GCSOM1268L2i_00010	SOM AR1268 Level 2 10-200ug/L	05/07/2013	11/01/2013
491991	GCSOM1268L1i_00011	SOM AR1268 Level 1 5-100ug/L	05/07/2013	11/01/2013
491992	GCSOM1660L4i_00011	SOM AR1660 Level 4 40-800ug/L	05/07/2013	11/01/2013
491994	GCSOM1660L2i_00010	SOM AR1660 Level 2 10-200ug/L	05/07/2013	11/01/2013

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent Container	Reagent ID	Reagent Description	Preparation Date	Expiration Date
492065	GCSOM1660L1i_00010	SOM AR1660 Level 1 5-100ug/L	05/07/2013	11/01/2013
492066	GCSOM1262L4i_00010	SOM AR1262 Level 4 40-800ug/L	05/07/2013	11/01/2013
492067	GCSOM1262L3i_00011	SOM AR1262 Level 3 20-400ug/L	05/07/2013	11/01/2013
492068	GCSOM1262L2i_00010	SOM AR1262 Level 2 10-200ug/L	05/07/2013	11/01/2013
492069	GCSOM1262L1i_00010	SOM AR1262 Level 1 5-100ug/L	05/07/2013	11/01/2013
492070	GCSOM1254L4i_00011	SOM AR1254 Level 4 40-800ug/L	05/07/2013	11/01/2013
492072	GCSOM1254L2i_00010	SOM AR1254 Level 2 10-200ug/L	05/07/2013	11/01/2013
492073	GCSOM1254L1i_00010	SOM AR1254 Level 1 5-100ug/L	05/07/2013	11/01/2013
492074	GCSOM1248L4i_00011	SOM AR1248 Level 4 40-800ug/L	05/07/2013	11/01/2013
492080	GCSOM1248L2i_00011	SOM AR1248 Level 2 10-200ug/L	05/07/2013	11/01/2013
492081	GCSOM1248L1i_00014	SOM AR1248 Level 1 5-100ug/L	05/07/2013	11/01/2013
492082	GCSOM1242L4i_00010	SOM AR1242 Level 4 40-800ug/L	05/07/2013	11/01/2013
492084	GCSOM1242L2i_00010	SOM AR1242 Level 2 10-200ug/L	05/07/2013	11/01/2013
492085	GCSOM1242L1i_00010	SOM AR1242 Level 1 5-100ug/L	05/07/2013	11/01/2013
492087	GCSOM1232L4i_00010	SOM AR1232 Level 4 40-800ug/L	05/07/2013	11/01/2013
492110	GCSOM1232L3i_00010	SOM AR1232 Level 3 20-400ug/L	05/07/2013	11/01/2013
492112	GCSOM1232L2i_00010	SOM AR1232 Level 2 10-200ug/L	05/07/2013	11/01/2013
492113	GCSOM1232L1i_00011	SOM AR1232 Level 1 5-100ug/L	05/07/2013	11/01/2013
492116	GCSOM1221L4i_00011	SOM AR1221 Level 4 40-800ug/L	05/07/2013	11/01/2013
492117	GCSOM1221L3i_00011	SOM AR1221 Level 3 20-400ug/L	05/07/2013	11/01/2013
492118	GCSOM1221L2i_00010	SOM AR1221 Level 2 10-200ug/L	05/07/2013	11/01/2013
492119	GCSOM1221L1i_00010	SOM AR1221 Level 1 5-100ug/L	05/07/2013	11/01/2013
495555	GCSOM1242L5i_00012	SOM AR1242 Level 5 80-1600ug/L	05/07/2013	11/01/2013
495557	GCSOM1248L5i_00015	SOM AR1248 Level 5 80-1600ug/L	05/07/2013	11/01/2013
495569	GCSOM1254L5i_00013	SOM AR1254 Level 5 80-1600ug/L	05/07/2013	11/01/2013
504811	EXSOMSIMSUi_00020	SOM SIM DMC Surrogate 0.8PPM	05/31/2013	12/01/2013
511121	EX16601PPMSPi_00012	Aroclor 1660 LCS 1.0PPM	06/08/2013	12/08/2013
511898	VMBFBw_00011	BFB TUNE 25 PPM	06/11/2013	12/11/2013
521198	GCSOMPIBLKw_00008	SOM PIBLK 20-40 PPB	06/25/2013	11/07/2013
522303	EXSOMPPCBSUi_00032	SOM PPCB Surrogate	06/27/2013	12/27/2013
523011	EXSOMDMCSus_00035	SOM DMC Surrogate 80ppm	06/28/2013	12/28/2013
525113	GCSOMTOXL5w_00008	SOM Toxaphene Level 5 80-8000ug/L	07/02/2013	01/02/2014
525148	GCSOMTOXL4w_00007	SOM Toxaphene Level 4 40-4000ug/L	07/02/2013	01/02/2014

REAGENT TRACEABILITY CROSS-REFERENCE

Lab Name: TestAmerica Burlington Job No.: 200-17642-1

SDG No.: 200-17642-1

Reagent Container	Reagent ID	Reagent Description	Preparation Date	Expiration Date
525153	GCSOMTOXL3w_00007	SOM Toxaphene Level 3 20-2000ug/L	07/02/2013	01/02/2014
525170	GCSOMTOXL2w_00007	SOM Toxaphene Level 2 10-1000ug/L	07/02/2013	01/02/2014
525171	GCSOMTOXL1w_00008	SOM Toxaphene Level 1 5-500ug/L	07/02/2013	01/02/2014
525172	GCSOMPESTL5w_00013	SOM Pesticide Level 5 80-800ug/L	07/02/2013	01/02/2014
525173	GCSOMPESTL4w_00012	SOM Pesticide Level 4 40-400ug/L	07/02/2013	01/02/2014
525174	GCSOMPESTL3w_00016	SOM Pesticide Level 3 20-200ug/L	07/02/2013	01/02/2014
525179	GCSOMPESTL2i_00010	SOM Pesticide Level 2 10-100ug/L	07/02/2013	01/02/2014
525180	GCSOMPESTL1i_00010	SOM Pesticide Level 1 5-50ug/L	07/02/2013	01/02/2014
525182	GCSOMRESCw_00010	SOM Resolution Check 10-100PPB	07/02/2013	01/02/2014
526846	SVSOMaddCALi_00011	SOM01.2 Added 1000PPM	07/09/2013	01/09/2014
530656	SVBNAISTDISi_00034	BNA ISTD 500ppm	07/17/2013	01/17/2014
531584	SVOLMaddCALi_00021	OLM/SOM Added 1000PPM	07/18/2013	01/18/2014
536381	VMSOMISw_00072	SOM ISTD 100 PPM	07/29/2013	08/29/2013
536389	VMSOMSUw_00056	SOM DMC 100 PPM	07/29/2013	08/29/2013
536390	VMSOMCALawMA_00018	SOM CAL 100 PPM- 135TCB	07/29/2013	08/18/2013
536415	VMSOMCALbw_00057	SOM DIOXANE CAL 2000 PPM	07/29/2013	08/29/2013
536928	EXSulfuricAci_00062	Sulfuric Acid, Concentrated	07/11/2013	07/31/2014
537180	EXSOMLCSSPi_00055	SOM Pest LCS Spike	07/31/2013	08/31/2013
537326	EXCOPPERACT_00036	Activated Copper Powder	08/01/2013	10/01/2013
537349	SVDFTPPMIXi_00034	SV Tune Mix 25ppm	07/09/2013	02/01/2014
538023	SVStockCALi_00037	8270/SOM Stock 167ppm	08/02/2013	01/05/2014
538024	SVBenzidnCALi_00020	Benzidines Added 1000PPM	08/02/2013	02/02/2014
539066	EXGPCCCVSPw_00126	SOM Pest Matrix CCV for GPC Calibration	08/05/2013	08/19/2013
540885	GCSOM1254L3i_00018	SOM AR1254 Level 3 20-400ug/L	08/08/2013	11/01/2013
540886	GCSOM1660L3i_00018	SOM AR1660 Level 3 20-400ug/L	08/08/2013	11/01/2013
540888	GCSOM1242L3i_00016	SOM AR1242 Level 3 20-400ug/L	08/08/2013	11/01/2013
540889	GCSOM1248L3i_00017	SOM AR1248 Level 3 20-400ug/L	08/08/2013	11/01/2013
544246	GCPEMw_00016	PEM/BCS 10-250ug/L	08/16/2013	02/16/2014

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-17642-2

SDG Number: 200-17642-2

Job Description: Atlantic Resources Corp

For:
ARCADIS U.S., Inc.
105 Fieldcrest Ave
Suite 203
Edison, NJ 08837

Attention: Mr. Jason Flagg

Approved for release.
Kathryn A Kelly
Project Manager I
8/30/2013 4:29 PM

Kathryn A Kelly, Project Manager I
30 Community Drive, South Burlington, VT, 05403
kathryn.kelly@testamericainc.com
08/30/2013

cc: Ms. Kaiti Liao

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Atlantic Resources Corp

Report Number: 200-17642-2

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 07/24/2013; the samples arrived in good condition, properly preserved and on ice.

SPLP METALS (ICPMS)

Samples TS003 (072413) and TS004 (072413) were analyzed for SPLP Metals (ICPMS) in accordance with EPA SW-846 Methods 1312/6020. The samples were leached on 07/29/2013, prepared on 07/31/2013 and analyzed on 08/01/2013.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Client Sample ID: TS003 (072413) — Lab Sample ID: 200-17642-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4780		100	87.5	ug/L	10		6020	SPLP East
Arsenic	8.6		5.0	3.6	ug/L	10		6020	SPLP East
Barium	33.0		10.0	7.7	ug/L	10		6020	SPLP East
Calcium	14200		500	391	ug/L	10		6020	SPLP East
Chromium	19.1		10.0	7.7	ug/L	10		6020	SPLP East
Copper	13.5		10.0	7.7	ug/L	10		6020	SPLP East
Iron	12300		300	238	ug/L	10		6020	SPLP East
Lead	20.4		3.0	2.3	ug/L	10		6020	SPLP East
Magnesium	2180		500	394	ug/L	10		6020	SPLP East
Manganese	26.4		20.0	16.1	ug/L	10		6020	SPLP East
Potassium	3710		500	403	ug/L	10		6020	SPLP East
Sodium	3370		500	386	ug/L	10		6020	SPLP East
Vanadium	26.4		10.0	7.7	ug/L	10		6020	SPLP East

Client Sample ID: TS004 (072413) — Lab Sample ID: 200-17642-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1770		100	87.5	ug/L	10		6020	SPLP East
Arsenic	8.3		5.0	3.6	ug/L	10		6020	SPLP East
Barium	34.3		10.0	7.7	ug/L	10		6020	SPLP East
Calcium	54700		500	391	ug/L	10		6020	SPLP East
Copper	10.9		10.0	7.7	ug/L	10		6020	SPLP East
Iron	3730		300	238	ug/L	10		6020	SPLP East
Lead	3.7		3.0	2.3	ug/L	10		6020	SPLP East
Magnesium	4240		500	394	ug/L	10		6020	SPLP East
Nickel	10.0		10.0	8.2	ug/L	10		6020	SPLP East
Potassium	3100		500	403	ug/L	10		6020	SPLP East
Sodium	3880		500	386	ug/L	10		6020	SPLP East
Vanadium	14.7		10.0	7.7	ug/L	10		6020	SPLP East

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS003 (072413)

Lab Sample ID: 200-17642-2

Date Collected: 07/24/13 13:30

Matrix: Solid

Date Received: 07/24/13 16:40

Method: 6020 - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4780**		100	87.5	ug/L		07/31/13 08:32	08/01/13 02:47	10
Antimony	5.0	U	5.0	3.8	ug/L		07/31/13 08:32	08/01/13 02:47	10
Arsenic	**8.6**		5.0	3.6	ug/L		07/31/13 08:32	08/01/13 02:47	10
Barium	**33.0**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:47	10
Beryllium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:47	10
Cadmium	5.0	U	5.0	3.9	ug/L		07/31/13 08:32	08/01/13 02:47	10
Calcium	**14200**		500	391	ug/L		07/31/13 08:32	08/01/13 02:47	10
Chromium	**19.1**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:47	10
Cobalt	10.0	U	10.0	7.8	ug/L		07/31/13 08:32	08/01/13 02:47	10
Copper	**13.5**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:47	10
Iron	**12300**		300	238	ug/L		07/31/13 08:32	08/01/13 02:47	10
Lead	**20.4**		3.0	2.3	ug/L		07/31/13 08:32	08/01/13 02:47	10
Magnesium	**2180**		500	394	ug/L		07/31/13 08:32	08/01/13 02:47	10
Manganese	**26.4**		20.0	16.1	ug/L		07/31/13 08:32	08/01/13 02:47	10
Nickel	10.0	U	10.0	8.2	ug/L		07/31/13 08:32	08/01/13 02:47	10
Potassium	**3710**		500	403	ug/L		07/31/13 08:32	08/01/13 02:47	10
Selenium	5.0	U	5.0	2.9	ug/L		07/31/13 08:32	08/01/13 02:47	10
Silver	10.0	U	10.0	8.1	ug/L		07/31/13 08:32	08/01/13 02:47	10
Sodium	**3370**		500	386	ug/L		07/31/13 08:32	08/01/13 02:47	10
Thallium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:47	10
Vanadium	**26.4**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:47	10
Zinc	40.0	U	40.0	39.4	ug/L		07/31/13 08:32	08/01/13 02:47	10

Client Sample ID: TS004 (072413)

Lab Sample ID: 200-17642-3

Date Collected: 07/24/13 14:30

Matrix: Solid

Date Received: 07/24/13 16:40

Method: 6020 - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1770**		100	87.5	ug/L		07/31/13 08:32	08/01/13 02:51	10
Antimony	5.0	U	5.0	3.8	ug/L		07/31/13 08:32	08/01/13 02:51	10
Arsenic	**8.3**		5.0	3.6	ug/L		07/31/13 08:32	08/01/13 02:51	10
Barium	**34.3**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:51	10
Beryllium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:51	10
Cadmium	5.0	U	5.0	3.9	ug/L		07/31/13 08:32	08/01/13 02:51	10
Calcium	**54700**		500	391	ug/L		07/31/13 08:32	08/01/13 02:51	10
Chromium	10.0	U	10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:51	10
Cobalt	10.0	U	10.0	7.8	ug/L		07/31/13 08:32	08/01/13 02:51	10
Copper	**10.9**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:51	10
Iron	**3730**		300	238	ug/L		07/31/13 08:32	08/01/13 02:51	10
Lead	**3.7**		3.0	2.3	ug/L		07/31/13 08:32	08/01/13 02:51	10
Magnesium	**4240**		500	394	ug/L		07/31/13 08:32	08/01/13 02:51	10
Manganese	20.0	U	20.0	16.1	ug/L		07/31/13 08:32	08/01/13 02:51	10
Nickel	**10.0**		10.0	8.2	ug/L		07/31/13 08:32	08/01/13 02:51	10
Potassium	**3100**		500	403	ug/L		07/31/13 08:32	08/01/13 02:51	10
Selenium	5.0	U	5.0	2.9	ug/L		07/31/13 08:32	08/01/13 02:51	10
Silver	10.0	U	10.0	8.1	ug/L		07/31/13 08:32	08/01/13 02:51	10
Sodium	**3880**		500	386	ug/L		07/31/13 08:32	08/01/13 02:51	10
Thallium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:51	10
Vanadium	**14.7**		10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:51	10

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Client Sample ID: TS004 (072413)
Date Collected: 07/24/13 14:30
Date Received: 07/24/13 16:40

Lab Sample ID: 200-17642-3
Matrix: Solid

Method: 6020 - Metals (ICP/MS) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	40.0	U	40.0	39.4	ug/L		07/31/13 08:32	08/01/13 02:51	10

Default Detection Limits

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Method: 6020 - Metals (ICP/MS) - SPLP East

Analyte	RL	MDL	Units	Method
Aluminum	50.0	43.8	ug/L	6020
Antimony	2.5	1.9	ug/L	6020
Arsenic	2.5	1.8	ug/L	6020
Barium	5.0	3.8	ug/L	6020
Beryllium	1.0	0.80	ug/L	6020
Cadmium	2.5	2.0	ug/L	6020
Calcium	250	196	ug/L	6020
Chromium	5.0	3.9	ug/L	6020
Cobalt	5.0	3.9	ug/L	6020
Copper	5.0	3.8	ug/L	6020
Iron	150	119	ug/L	6020
Lead	1.5	1.2	ug/L	6020
Magnesium	250	197	ug/L	6020
Manganese	10.0	8.1	ug/L	6020
Nickel	5.0	4.1	ug/L	6020
Potassium	250	202	ug/L	6020
Selenium	2.5	1.5	ug/L	6020
Silver	5.0	4.1	ug/L	6020
Sodium	250	193	ug/L	6020
Thallium	1.0	0.79	ug/L	6020
Vanadium	5.0	3.8	ug/L	6020
Zinc	20.0	19.7	ug/L	6020

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LCS 460-173566/2-A ^10
Matrix: Solid
Analysis Batch: 173855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2500	2424		ug/L		97	75 - 125
Antimony	25.0	25.27		ug/L		101	75 - 125
Arsenic	50.0	50.76		ug/L		102	75 - 125
Barium	50.0	46.49		ug/L		93	75 - 125
Beryllium	25.0	23.66		ug/L		95	75 - 125
Cadmium	25.0	25.66		ug/L		103	75 - 125
Calcium	2500	2404		ug/L		96	75 - 125
Chromium	50.0	50.46		ug/L		101	75 - 125
Cobalt	25.0	25.14		ug/L		101	75 - 125
Copper	50.0	51.18		ug/L		102	75 - 125
Iron	2500	2590		ug/L		104	75 - 125
Lead	25.0	24.72		ug/L		99	75 - 125
Magnesium	2500	2590		ug/L		104	75 - 125
Manganese	250	249.4		ug/L		100	75 - 125
Nickel	50.0	51.12		ug/L		102	75 - 125
Potassium	2500	2433		ug/L		97	75 - 125
Selenium	50.0	46.45		ug/L		93	75 - 125
Silver	25.0	25.10		ug/L		100	75 - 125
Sodium	2500	2613		ug/L		105	75 - 125
Thallium	20.0	18.97		ug/L		95	75 - 125
Vanadium	50.0	49.86		ug/L		100	75 - 125
Zinc	250	244.3		ug/L		98	75 - 125

Lab Sample ID: LB 460-173265/1-D ^10 LB
Matrix: Solid
Analysis Batch: 173855

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 173566

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100	87.5	ug/L		07/31/13 08:32	08/01/13 02:55	10
Antimony	5.0	U	5.0	3.8	ug/L		07/31/13 08:32	08/01/13 02:55	10
Arsenic	5.0	U	5.0	3.6	ug/L		07/31/13 08:32	08/01/13 02:55	10
Barium	10.0	U	10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:55	10
Beryllium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:55	10
Cadmium	5.0	U	5.0	3.9	ug/L		07/31/13 08:32	08/01/13 02:55	10
Calcium	500	U	500	391	ug/L		07/31/13 08:32	08/01/13 02:55	10
Chromium	10.0	U	10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:55	10
Cobalt	10.0	U	10.0	7.8	ug/L		07/31/13 08:32	08/01/13 02:55	10
Copper	10.0	U	10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:55	10
Iron	300	U	300	238	ug/L		07/31/13 08:32	08/01/13 02:55	10
Lead	3.0	U	3.0	2.3	ug/L		07/31/13 08:32	08/01/13 02:55	10
Magnesium	500	U	500	394	ug/L		07/31/13 08:32	08/01/13 02:55	10
Manganese	20.0	U	20.0	16.1	ug/L		07/31/13 08:32	08/01/13 02:55	10
Nickel	10.0	U	10.0	8.2	ug/L		07/31/13 08:32	08/01/13 02:55	10
Potassium	500	U	500	403	ug/L		07/31/13 08:32	08/01/13 02:55	10
Selenium	5.0	U	5.0	2.9	ug/L		07/31/13 08:32	08/01/13 02:55	10
Silver	10.0	U	10.0	8.1	ug/L		07/31/13 08:32	08/01/13 02:55	10
Sodium	500	U	500	386	ug/L		07/31/13 08:32	08/01/13 02:55	10
Thallium	2.0	U	2.0	1.6	ug/L		07/31/13 08:32	08/01/13 02:55	10

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LB 460-173265/1-D ^10 LB
Matrix: Solid
Analysis Batch: 173855

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 173566

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	10.0	U	10.0	7.7	ug/L		07/31/13 08:32	08/01/13 02:55	10
Zinc	40.0	U	40.0	39.4	ug/L		07/31/13 08:32	08/01/13 02:55	10

Metals

Leach Batch: 173265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	SPLP East	Solid	1312	
200-17642-3	TS004 (072413)	SPLP East	Solid	1312	
LB 460-173265/1-D ^10 LB	Method Blank	SPLP East	Solid	1312	

Prep Batch: 173566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	SPLP East	Solid	3010A	173265
200-17642-3	TS004 (072413)	SPLP East	Solid	3010A	173265
LB 460-173265/1-D ^10 LB	Method Blank	SPLP East	Solid	3010A	173265
LCS 460-173566/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 173855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	SPLP East	Solid	6020	173566
200-17642-3	TS004 (072413)	SPLP East	Solid	6020	173566
CRI 460-173855/10 CRI	DL		Solid	6020	
ICSA 460-173855/11	ICS		Solid	6020	
ICSAB 460-173855/12	ICS		Solid	6020	
LB 460-173265/1-D ^10 LB	Method Blank	SPLP East	Solid	6020	173566
LCS 460-173566/2-A ^10	Lab Control Sample	Total/NA	Solid	6020	173566

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Client Sample ID: TS003 (072413)

Lab Sample ID: 200-17642-2

Date Collected: 07/24/13 13:30

Matrix: Solid

Date Received: 07/24/13 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			173265	07/29/13 17:00	YAH	TAL EDI
SPLP East	Prep	3010A			173566	07/31/13 08:32	QZY	TAL EDI
SPLP East	Analysis	6020		10	173855	08/01/13 02:47	LBD	TAL EDI

Client Sample ID: TS004 (072413)

Lab Sample ID: 200-17642-3

Date Collected: 07/24/13 14:30

Matrix: Solid

Date Received: 07/24/13 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			173265	07/29/13 17:00	YAH	TAL EDI
SPLP East	Prep	3010A			173566	07/31/13 08:32	QZY	TAL EDI
SPLP East	Analysis	6020		10	173855	08/01/13 02:51	LBD	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Laboratory: TestAmerica Burlington

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-13
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-14
L-A-B	DoD ELAP		L2336	10-26-13
Louisiana	NELAP	6	176292	06-30-14
Maine	State Program	1	VT00008	04-17-15
Minnesota	NELAP	5	050-999-436	12-31-13
New Hampshire	NELAP	1	2006	12-18-13
New Jersey	NELAP	2	VT972	06-30-14
New York	NELAP	2	10391	04-01-14
Pennsylvania	NELAP	3	68-00489	04-30-14
Rhode Island	State Program	1	LAO00298	12-30-13
US Fish & Wildlife	Federal		LE-058448-0	02-28-14
USDA	Federal		P330-11-00093	02-17-14
Vermont	State Program	1	VT-4000	12-31-13
Virginia	NELAP	3	460209	12-14-13

Laboratory: TestAmerica Edison

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-13
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	04-30-14
New Jersey	NELAP	2	12028	06-30-14
New York	NELAP	2	11452	04-01-14
Pennsylvania	NELAP	3	68-00522	02-28-14
Rhode Island	State Program	1	LAO00132	12-30-13
USDA	Federal		NJCA-003-08	03-11-14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-2
SDG: 200-17642-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-17642-2	TS003 (072413)	Solid	07/24/13 13:30	07/24/13 16:40
200-17642-3	TS004 (072413)	Solid	07/24/13 14:30	07/24/13 16:40

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME_ICmsCal1_00094	08/07/13	07/24/13	2% HNO3:0.5% HCl, Lot IMSR177	200 mL	ME_ICMSRL1_00006	2 mL	Aluminum	10 ug/L
							Arsenic	0.5 ug/L
							Barium	1 ug/L
							Beryllium	0.2 ug/L
							Cadmium	0.5 ug/L
							Calcium	50 ug/L
							Chromium	1 ug/L
							Cobalt	1 ug/L
							Copper	1 ug/L
							Iron	30 ug/L
							Lead	0.3 ug/L
							Magnesium	50 ug/L
							Manganese	2 ug/L
							Nickel	1 ug/L
							Potassium	50 ug/L
							Selenium	0.5 ug/L
							Silver	1 ug/L
							Sodium	50 ug/L
							Thallium	0.2 ug/L
							Vanadium	1 ug/L
							Zinc	4 ug/L
					ME_ICMSRL2_00006	2 mL	Antimony	0.5 ug/L
.ME_ICMSRL1_00006	05/01/14		IV, Lot G2-MEB470098		(Purchased Reagent)		Aluminum	1000 ug/L
							Arsenic	50 ug/L
							Barium	100 ug/L
							Beryllium	20 ug/L
							Cadmium	50 ug/L
							Calcium	5000 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Iron	3000 ug/L
							Lead	30 ug/L
							Magnesium	5000 ug/L
							Manganese	200 ug/L
							Nickel	100 ug/L
							Potassium	5000 ug/L
							Selenium	50 ug/L
							Silver	100 ug/L
							Sodium	5000 ug/L
							Thallium	20 ug/L
							Vanadium	100 ug/L
							Zinc	400 ug/L
.ME_ICMSRL2_00006	05/01/14		IV, Lot G2-MEB470102		(Purchased Reagent)		Antimony	50 ug/L
ME_ICSA_MS_00240	08/02/13	07/26/13	2% HNO3:0.5% HCl, Lot IMSR178	100 mL	ME_IMSicsa_00007	5 mL	Aluminum	50000 ug/L

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Calcium	150000 ug/L
							Iron	125000 ug/L
							Magnesium	50000 ug/L
							Mo	1000 ug/L
							Potassium	50000 ug/L
							Sodium	125000 ug/L
							Ti	1000 ug/L
.ME_IMSicsa_00007	09/01/13	Inorganic Ventures, Lot E2-MEB398045			(Purchased Reagent)		Aluminum	1000000 ug/L
							Calcium	3000000 ug/L
							Iron	2500000 ug/L
							Magnesium	1000000 ug/L
							Mo	20000 ug/L
							Potassium	1000000 ug/L
							Sodium	2500000 ug/L
							Ti	20000 ug/L
ME_ICSAB_MS_00092	08/02/13	07/26/13	2% HNO3:0.5% HCl, Lot IMSR178	100 mL	ME_IMSicsa_00007	5 mL	Aluminum	50000 ug/L
							Calcium	150000 ug/L
							Iron	125000 ug/L
							Magnesium	50000 ug/L
							Mo	1000 ug/L
							Potassium	50000 ug/L
							Sodium	125000 ug/L
							Ti	1000 ug/L
					ME_IMSicsb_00006	1 mL	Arsenic	100 ug/L
							Cadmium	100 ug/L
							Chromium	200 ug/L
							Cobalt	200 ug/L
							Copper	200 ug/L
							Manganese	200 ug/L
							Nickel	200 ug/L
							Selenium	100 ug/L
							Silver	200 ug/L
							Vanadium	200 ug/L
							Zinc	100 ug/L
.ME_IMSicsa_00007	09/01/13	Inorganic Ventures, Lot E2-MEB398045			(Purchased Reagent)		Aluminum	1000000 ug/L
							Calcium	3000000 ug/L
							Iron	2500000 ug/L
							Magnesium	1000000 ug/L
							Mo	20000 ug/L
							Potassium	1000000 ug/L
							Sodium	2500000 ug/L
							Ti	20000 ug/L
.ME_IMSicsb_00006	03/01/14	Inorganic Ventures, Lot F2-MEB236101R			(Purchased Reagent)		Arsenic	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	20000 ug/L
							Cobalt	20000 ug/L
							Copper	20000 ug/L

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Manganese	20000 ug/L
							Nickel	20000 ug/L
							Selenium	10000 ug/L
							Silver	20000 ug/L
							Vanadium	20000 ug/L
							Zinc	10000 ug/L
ME_IMS_ICV_00034	08/21/13	06/12/13	2% HNO3:0.5% HCl, Lot IMSR171	500 mL	ME_IM_ICV1_00008	4 mL	Aluminum	400 ug/L
							Arsenic	40 ug/L
							Barium	40 ug/L
							Beryllium	40 ug/L
							Cadmium	40 ug/L
							Calcium	4000 ug/L
							Chromium	40 ug/L
							Cobalt	40 ug/L
							Copper	40 ug/L
							Iron	4000 ug/L
							Lead	40 ug/L
							Magnesium	4000 ug/L
							Manganese	400 ug/L
							Nickel	40 ug/L
							Potassium	4000 ug/L
							Selenium	40 ug/L
							Silver	40 ug/L
							Sodium	4000 ug/L
							Thallium	8 ug/L
							Vanadium	40 ug/L
							Zinc	40 ug/L
					ME_IM_ICV2_00003	4 mL	Antimony	40 ug/L
.ME_IM_ICV1_00008	02/15/14		CPI, Lot 13B117		(Purchased Reagent)		Aluminum	50000 ug/L
							Arsenic	5000 ug/L
							Barium	5000 ug/L
							Beryllium	5000 ug/L
							Cadmium	5000 ug/L
							Calcium	500000 ug/L
							Chromium	5000 ug/L
							Cobalt	5000 ug/L
							Copper	5000 ug/L
							Iron	500000 ug/L
							Lead	5000 ug/L
							Magnesium	500000 ug/L
							Manganese	50000 ug/L
							Nickel	5000 ug/L
							Potassium	500000 ug/L
							Selenium	5000 ug/L
							Silver	5000 ug/L
							Sodium	500000 ug/L
							Thallium	1000 ug/L

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	5000 ug/L
							Zinc	5000 ug/L
.ME_IM_ICV2_00003	08/21/13	CPI, Lot 12B160			(Purchased Reagent)		Antimony	5000 ug/L
ME_imsCal3_00089	08/07/13	07/24/13	2% HNO3:0.5% HCl, Lot IMSR177	500 mL	ME_IM_CAL1_00005	2.5 mL	Antimony	50 ug/L
					ME_IM_CAL2_00005	2.5 mL	Aluminum	500 ug/L
							Arsenic	50 ug/L
							Barium	50 ug/L
							Beryllium	50 ug/L
							Cadmium	50 ug/L
							Calcium	5000 ug/L
							Chromium	50 ug/L
							Cobalt	50 ug/L
							Copper	50 ug/L
							Iron	5000 ug/L
							Lead	50 ug/L
							Magnesium	5000 ug/L
							Manganese	500 ug/L
							Nickel	50 ug/L
							Potassium	5000 ug/L
							Selenium	50 ug/L
							Silver	50 ug/L
							Sodium	5000 ug/L
							Thallium	10 ug/L
							Vanadium	50 ug/L
							Zinc	50 ug/L
.ME_IM_CAL1_00005	09/01/13	Inorganic Ventures, Lot F2-MEB435072			(Purchased Reagent)		Antimony	10000 ug/L
.ME_IM_CAL2_00005	09/01/13	Inorganic Ventures, Lot F2-MEB435073			(Purchased Reagent)		Aluminum	100000 ug/L
							Arsenic	10000 ug/L
							Barium	10000 ug/L
							Beryllium	10000 ug/L
							Cadmium	10000 ug/L
							Calcium	1000000 ug/L
							Chromium	10000 ug/L
							Cobalt	10000 ug/L
							Copper	10000 ug/L
							Iron	1000000 ug/L
							Lead	10000 ug/L
							Magnesium	1000000 ug/L
							Manganese	100000 ug/L
							Nickel	10000 ug/L
							Potassium	1000000 ug/L
							Selenium	10000 ug/L
							Silver	10000 ug/L
							Sodium	1000000 ug/L
							Thallium	2000 ug/L
							Vanadium	10000 ug/L
							Zinc	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME_ipmsSPK_00012	10/10/13	High-Purity Standards, Lot 1228301			(Purchased Reagent)		Aluminum	500000 ug/L
							Antimony	5000 ug/L
							Arsenic	10000 ug/L
							B	100000 ug/L
							Barium	10000 ug/L
							Beryllium	5000 ug/L
							Cadmium	5000 ug/L
							Calcium	500000 ug/L
							Chromium	10000 ug/L
							Cobalt	5000 ug/L
							Copper	10000 ug/L
							Iron	500000 ug/L
							Lead	5000 ug/L
							Magnesium	500000 ug/L
							Manganese	50000 ug/L
							Mo	10000 ug/L
							Nickel	10000 ug/L
							Potassium	500000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Sn	10000 ug/L
							Sodium	500000 ug/L
							Sr	10000 ug/L
							Thallium	4000 ug/L
							Ti	10000 ug/L
							Vanadium	10000 ug/L
							Zinc	50000 ug/L

Reagent

ME_ICMSRL1_00006

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CERTIFICATE OF ANALYSIS

rec'd 4/30/13 LD

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: STLNJ-STD-1

Lot Number: **G2-MEB470098**

Matrix: 5% HNO3(v/v)

2162692
ID: ME_ICMSRL1_00006
Exp: 05/01/14 Prpd: LD
ICP-MS RL-1 STOCK STD

5,000 µg/L ea:
Ca, K, Mg, Na,

3,000 µg/L ea:
Fe,

2,000 µg/L ea:
B,

1,000 µg/L ea:
Al,

400 µg/L ea:
Zn,

200 µg/L ea:
Mn,

100 µg/L ea:
Ag, Ba, Co, Cr3, Cu, Ni, Sr, V,

50 µg/L ea:
As, Cd, Se,

30 µg/L ea:
Pb,

20 µg/L ea:
Be, Tl

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	999 ± 8 µg/L	Arsenic, As	50.00 ± 0.39 µg/L	Barium, Ba	100.1 ± 0.5 µg/L
Beryllium, Be	19.99 ± 0.14 µg/L	Boron, B	2,001 ± 13 µg/L	Cadmium, Cd	49.99 ± 0.41 µg/L
Calcium, Ca	5,001 ± 32 µg/L	Chromium+3, Cr3	100.0 ± 0.7 µg/L	Cobalt, Co	100.1 ± 0.9 µg/L
Copper, Cu	100.1 ± 0.8 µg/L	Iron, Fe	3,000 ± 19 µg/L	Lead, Pb	30.02 ± 0.23 µg/L
Magnesium, Mg	5,001 ± 36 µg/L	Manganese, Mn	199.9 ± 1.9 µg/L	Nickel, Ni	100.1 ± 0.7 µg/L
Potassium, K	4,999 ± 32 µg/L	Selenium, Se	50.03 ± 0.47 µg/L	Silver, Ag	100.0 ± 0.8 µg/L
Sodium, Na	5,001 ± 32 µg/L	Strontium, Sr	100.0 ± 0.7 µg/L	Thallium, Tl	20.02 ± 0.12 µg/L
Vanadium, V	100.0 ± 0.8 µg/L	Zinc, Zn	400.4 ± 3.7 µg/L		

08/30/2013

Reagent

ME_ICMSRL2_00006

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: STLNJ-STD-2

Lot Number: **G2-MEB470102**

Matrix: 5% HNO3(v/v), tr. HF

2162695
ID: ME_ICMSRL2_00006
Exp: 05/01/14 Prpd: LD
ICP-MS RL-2 STOCK STD

400 µg/L ea:
Sn,

100 µg/L ea:
Mo, Ti,

50 µg/L ea:
Sb

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	49.99 ± 0.32 µg/L	Molybdenum, Mo	100.0 ± 0.9 µg/L	Tin, Sn	400.2 ± 2.2 µg/L
Titanium, Ti	100.0 ± 0.8 µg/L				

Certified Density: 1.022 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{\frac{1}{2}}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{\frac{1}{2}}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

Reagent

ME_IM_CAL1_00005

Rec'd 8-1-12 DE

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TANJ-STD-1

Lot Number: **F2-MEB435072**

Matrix: tr. HF, 5% HNO3(v/v)

1661728
ID: ME_IM_CAL1_00005
Exp: 09/01/13 Prpd: DE
ICP-MS Cal-1 STOCK STD

20 µg/mL ea:
B,

10 µg/mL ea:
Mo, Sb, Sn, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.00 ± 0.09 µg/mL	Boron, B	19.99 ± 0.14 µg/mL	Molybdenum, Mo	10.00 ± 0.07 µg/mL
Tin, Sn	10.00 ± 0.08 µg/mL	Titanium, Ti	10.00 ± 0.08 µg/mL		

Certified Density: 1.025 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

Reagent

ME_IM_CAL2_00005

Rec'd 8-1-12 DE

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TANJ-STD-2

Lot Number: **F2-MEB435073**

Matrix: 5% HNO3(v/v)

1661730
ID: ME_IM_CAL2_00005
Exp: 09/01/13 Prpd: DE
ICP-MS Cal-2 STOCK STD

1,000 µg/mL ea:
Ca, Fe, K, Mg, Na,

100 µg/mL ea:
Al, Mn,

10 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, V, Zn,

2 µg/mL ea:
Tl

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	100.1 ± 0.6 µg/mL	Arsenic, As	9.99 ± 0.11 µg/mL	Barium, Ba	10.00 ± 0.08 µg/mL
Beryllium, Be	9.99 ± 0.08 µg/mL	Cadmium, Cd	10.00 ± 0.10 µg/mL	Calcium, Ca	1,001 ± 7 µg/mL
Chromium+3, Cr3	10.01 ± 0.11 µg/mL	Cobalt, Co	10.00 ± 0.10 µg/mL	Copper, Cu	10.00 ± 0.06 µg/mL
Iron, Fe	1,000 ± 7 µg/mL	Lead, Pb	10.00 ± 0.09 µg/mL	Magnesium, Mg	1,000 ± 6 µg/mL
Manganese, Mn	100.0 ± 0.6 µg/mL	Nickel, Ni	10.00 ± 0.06 µg/mL	Potassium, K	1,000 ± 7 µg/mL
Selenium, Se	10.00 ± 0.09 µg/mL	Silver, Ag	10.01 ± 0.08 µg/mL	Sodium, Na	1,000 ± 7 µg/mL
Strontium, Sr	10.01 ± 0.11 µg/mL	Thallium, Tl	2.000 ± 0.011 µg/mL	Vanadium, V	10.01 ± 0.07 µg/mL
Zinc, Zn	10.01 ± 0.11 µg/mL				

Certified Density: 1.043 g/mL (measured at 20 ± 1° C)

Reagent

ME_IM_ICV1_00008

Rec'd
2-18-13
DE

USA
5580 Skylane Boulevard
Santa Rosa, CA 95403
P: 707.525.5788
P: 800.878.7654
F: 707.545.7901

CPI INTERNATIONAL

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1000 CS Amsterdam
The Netherlands
P: +31 20 638 05 97
F: +31 20 420 28 36

Expiry: 15-Feb-14

Certificate of Analysis

Part Number: 4400-080314JC01
Lot Number: 13B117
Shelf Life: 12 months

2007491
ID: ME_IM_ICV1_00008
Exp: 02/15/14 Prpd: DE
ICP-MS ICV-1 STOCK STD

TestAmerica (NJ)
ICV1 ICPMS
2% HNO3

Concentrations in ug/mL ± 0.5%

Be	5	Cu	5
Na	500	Zn	5
Mg	500	As	5
Al	50	Se	5
K	500	Sr	5
Ca	500	Ag	5
V	5	Cd	5
Cr	5	Ba	5
Mn	50	TL	1
Fe	500	Pb	5
Co	5		
Ni	5		

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

ilac-MRA ACLASS ACCREDITED CALIBRATION Certification Number: AC-1455 A2LA

colitag PEAK PERFORMANCE CERTIFIED REFERENCE MATERIALS MOD BLOCK Accu•prep 7000™ Extraction Manifold Nu•Phase™ SPE Disks

Reagent

ME_IM_ICV2_00003

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The Netherlands

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Expiry: 21-Aug-13

Certificate of Analysis

Part Number: **4400-080314JC02**
Lot Number: **12B160**
Shelf Life: **18 months**

Rec'd 2-27-13 DE

TestAmerica (NJ)
ICV2 ICPMS
2% HNO3 + tr HF

Concentrations in ug/mL ± 0.5%

B	10
Ti	5
Mo	5
Sn	5
Sb	5

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

ISO 9001:2008 ACLASS ISO 17025

Reagent

ME_IMSicsa_00007

Rec. 8/13/12 C.C.

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

1681930
ID: ME_IMSicsa_00007
Exp: 09/01/13 Prpd: CDC
ICP-MS ICSA STOCK STD

Catalog No.: 6020ICS-8A

Lot Number: **E2-MEB398045**

Matrix: 1.4% HNO3(v/v)

18,000 µg/mL ea:
Chloride,

3,000 µg/mL ea:
Ca,

2,500 µg/mL ea:
Fe, Na,

2,000 µg/mL ea:
C,

1,000 µg/mL ea:
Al, K, Mg, P, S,

20 µg/mL ea:
Mo, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	1,000 ± 6 µg/mL	Calcium, Ca	3,000 ± 16 µg/mL	Carbon, C	2,000 ± 10 µg/mL
Chloride, Chloride	18,000.0 ± 40.0 µg/mL	Iron, Fe	2,500 ± 7 µg/mL	Magnesium, Mg	1,000 ± 5 µg/mL
Molybdenum, Mo	20.00 ± 0.08 µg/mL	Phosphorus, P	1,000 ± 3 µg/mL	Potassium, K	1,000 ± 5 µg/mL
Sodium, Na	2,500 ± 12 µg/mL	Sulfur, S	1,000 ± 2 µg/mL	Titanium, Ti	20.00 ± 0.10 µg/mL

Certified Density: 1.055 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Reagent

ME_ipmsSPK_00012

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

Product Description:

1791551
ID: ME_ipmsSPK_00012
Exp: 10/10/13 Prpd: DE
ICP-MS LCS/SPK, matrix sp

Name:	ICPMS LCS/SPK
Part Number:	**SM-606-111**
Lot Number:	**1228301**
Matrix:	4% HNO_3 + Tr HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	500.0 ± 2.5	3101a	060502	Mn	50.0 ± 0.5	3132	050429
Sb	5.00 ± 0.03	3102a	061229	Mo	10.00 ± 0.06	3134	891307
As	10.0 ± 0.1	3103a	100818	Ni	10.00 ± 0.05	3136	000612
Ba	10.00 ± 0.06	3104a	070222	K	500.0 ± 2.5	3141a	051220
Be	5.00 ± 0.05	3105a	090514	Se	10.0 ± 0.1	3149	100901
B	100.0 ± 0.5	3107	070514	Ag	5.00 ± 0.03	3151	992212
Cd	5.00 ± 0.03	3108	060531	Na	500.0 ± 2.5	3152a	010728
Ca	500.0 ± 2.5	3109a	050825	Sr	10.00 ± 0.05	3153a	990906
Cr	10.00 ± 0.05	3112a	030730	Tl	4.00 ± 0.02	3158	993012
Co	5.00 ± 0.03	3113	000630	Sn	10.00 ± 0.06	3161a	070330
Cu	10.00 ± 0.05	3114	011017	Ti	10.00 ± 0.06	3162a	060808
Fe	500.0 ± 2.5	3126a	051031	V	10.00 ± 0.06	3165	992706
Pb	5.00 ± 0.03	3128	101026	Zn	50.00 ± 0.25	3168a	080123
Mg	500.0 ± 2.5	3131a	050302				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived

units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date:	**October 9, 2012**
Shipped Date:	OCT 1 0 2012
Expiration Date:	OCT 1 0 2013
Certificate Issue Date:	**October 9, 2012**

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 200-17642-2

SDG No.: 200-17642-2

Project: Atlantic Resources Corp

Client Sample ID	Lab Sample ID
TS003 (072413)	200-17642-2
TS004 (072413)	200-17642-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - SPLP EAST

Client Sample ID: TS003 (072413) Lab Sample ID: 200-17642-2

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG ID.: 200-17642-2

Matrix: Solid Date Sampled: 07/24/2013 13:30

Reporting Basis: WET Date Received: 07/24/2013 16:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4780	100	87.5	ug/L			10	6020
7440-36-0	Antimony	5.0	5.0	3.8	ug/L	U		10	6020
7440-38-2	Arsenic	8.6	5.0	3.6	ug/L			10	6020
7440-39-3	Barium	33.0	10.0	7.7	ug/L			10	6020
7440-41-7	Beryllium	2.0	2.0	1.6	ug/L	U		10	6020
7440-43-9	Cadmium	5.0	5.0	3.9	ug/L	U		10	6020
7440-70-2	Calcium	14200	500	391	ug/L			10	6020
7440-47-3	Chromium	19.1	10.0	7.7	ug/L			10	6020
7440-48-4	Cobalt	10.0	10.0	7.8	ug/L	U		10	6020
7440-50-8	Copper	13.5	10.0	7.7	ug/L			10	6020
7439-89-6	Iron	12300	300	238	ug/L			10	6020
7439-92-1	Lead	20.4	3.0	2.3	ug/L			10	6020
7439-95-4	Magnesium	2180	500	394	ug/L			10	6020
7439-96-5	Manganese	26.4	20.0	16.1	ug/L			10	6020
7440-02-0	Nickel	10.0	10.0	8.2	ug/L	U		10	6020
7440-09-7	Potassium	3710	500	403	ug/L			10	6020
7782-49-2	Selenium	5.0	5.0	2.9	ug/L	U		10	6020
7440-22-4	Silver	10.0	10.0	8.1	ug/L	U		10	6020
7440-23-5	Sodium	3370	500	386	ug/L			10	6020
7440-28-0	Thallium	2.0	2.0	1.6	ug/L	U		10	6020
7440-62-2	Vanadium	26.4	10.0	7.7	ug/L			10	6020
7440-66-6	Zinc	40.0	40.0	39.4	ug/L	U		10	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - SPLP EAST

Client Sample ID: TS004 (072413) Lab Sample ID: 200-17642-3

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG ID.: 200-17642-2

Matrix: Solid Date Sampled: 07/24/2013 14:30

Reporting Basis: WET Date Received: 07/24/2013 16:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1770	100	87.5	ug/L			10	6020
7440-36-0	Antimony	5.0	5.0	3.8	ug/L	U		10	6020
7440-38-2	Arsenic	8.3	5.0	3.6	ug/L			10	6020
7440-39-3	Barium	34.3	10.0	7.7	ug/L			10	6020
7440-41-7	Beryllium	2.0	2.0	1.6	ug/L	U		10	6020
7440-43-9	Cadmium	5.0	5.0	3.9	ug/L	U		10	6020
7440-70-2	Calcium	54700	500	391	ug/L			10	6020
7440-47-3	Chromium	10.0	10.0	7.7	ug/L	U		10	6020
7440-48-4	Cobalt	10.0	10.0	7.8	ug/L	U		10	6020
7440-50-8	Copper	10.9	10.0	7.7	ug/L			10	6020
7439-89-6	Iron	3730	300	238	ug/L			10	6020
7439-92-1	Lead	3.7	3.0	2.3	ug/L			10	6020
7439-95-4	Magnesium	4240	500	394	ug/L			10	6020
7439-96-5	Manganese	20.0	20.0	16.1	ug/L	U		10	6020
7440-02-0	Nickel	10.0	10.0	8.2	ug/L			10	6020
7440-09-7	Potassium	3100	500	403	ug/L			10	6020
7782-49-2	Selenium	5.0	5.0	2.9	ug/L	U		10	6020
7440-22-4	Silver	10.0	10.0	8.1	ug/L	U		10	6020
7440-23-5	Sodium	3880	500	386	ug/L			10	6020
7440-28-0	Thallium	2.0	2.0	1.6	ug/L	U		10	6020
7440-62-2	Vanadium	14.7	10.0	7.7	ug/L			10	6020
7440-66-6	Zinc	40.0	40.0	39.4	ug/L	U		10	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

ICV Source: ME_IMS_ICV_00034 Concentration Units: ug/L

CCV Source: ME_imsCal3_00089

Analyte	ICV 460-173855/8 08/01/2013 01:22				CCV 460-173855/15 08/01/2013 01:50				CCV 460-173855/27 08/01/2013 02:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	400.6		400	100	487.7		500	98	486.1		500	97
Antimony	40.14		40.0	100	50.32		50.0	101	49.94		50.0	100
Arsenic	39.91		40.0	100	50.29		50.0	101	49.10		50.0	98
Barium	38.15		40.0	95	47.54		50.0	95	47.36		50.0	95
Beryllium	39.25		40.0	98	48.32		50.0	97	48.69		50.0	97
Cadmium	38.71		40.0	97	50.16		50.0	100	50.19		50.0	100
Calcium	4005		4000	100	5000		5000	100	5054		5000	101
Chromium	40.56		40.0	101	50.12		50.0	100	49.84		50.0	100
Cobalt	39.62		40.0	99	50.61		50.0	101	49.75		50.0	99
Copper	40.48		40.0	101	50.76		50.0	102	50.09		50.0	100
Iron	3993		4000	100	5013		5000	100	4950		5000	99
Lead	39.65		40.0	99	49.91		50.0	100	50.18		50.0	100
Magnesium	4029		4000	101	5154		5000	103	5121		5000	102
Manganese	393.5		400	98	498.4		500	100	493.4		500	99
Nickel	39.96		40.0	100	50.73		50.0	101	49.60		50.0	99
Potassium	4017		4000	100	4997		5000	100	4990		5000	100
Selenium	40.92		40.0	102	49.89		50.0	100	48.27		50.0	97
Silver	39.99		40.0	100	49.96		50.0	100	50.42		50.0	101
Sodium	4001		4000	100	5142		5000	103	5102		5000	102
Thallium	7.86		8.00	98	10.05		10.0	101	10.10		10.0	101
Vanadium	39.81		40.0	100	50.12		50.0	100	49.92		50.0	100
Zinc	40.33		40.0	101	51.47		50.0	103	51.60		50.0	103

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 Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

ICV Source: ME_IMS_ICV_00034 Concentration Units: ug/L

CCV Source: ME_imsCal3_00089

Analyte	CCV 460-173855/32 08/01/2013 03:00											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	492.8		500	99								
Antimony	49.18		50.0	98								
Arsenic	49.56		50.0	99								
Barium	46.95		50.0	94								
Beryllium	48.63		50.0	97								
Cadmium	49.88		50.0	100								
Calcium	5055		5000	101								
Chromium	50.35		50.0	101								
Cobalt	50.16		50.0	100								
Copper	50.14		50.0	100								
Iron	4963		5000	99								
Lead	49.77		50.0	100								
Magnesium	5114		5000	102								
Manganese	491.5		500	98								
Nickel	50.36		50.0	101								
Potassium	5036		5000	101								
Selenium	50.81		50.0	102								
Silver	50.09		50.0	100								
Sodium	5108		5000	102								
Thallium	10.12		10.0	101								
Vanadium	50.00		50.0	100								
Zinc	51.51		50.0	103								

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 Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Method: 6020 Instrument ID: ICPMS2

Lab Sample ID: CRI 460-173855/10 Concentration Units: ug/L

CRQL Check Standard Source: ME_ICmsCal1_00094

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	10.0	10.59		106	50-150
Antimony	0.500	0.528		106	50-150
Arsenic	0.500	0.557		111	50-150
Barium	1.00	0.990	J	99	50-150
Beryllium	0.200	0.179	J	90	50-150
Cadmium	0.500	0.507		101	50-150
Calcium	50.0	70.36		141	50-150
Chromium	1.00	1.01		101	50-150
Cobalt	1.00	1.03		103	50-150
Copper	1.00	1.09		109	50-150
Iron	30.0	31.81		106	50-150
Lead	0.300	0.309		103	50-150
Magnesium	50.0	50.72		101	50-150
Manganese	2.00	2.12		106	50-150
Nickel	1.00	1.00		100	50-150
Potassium	50.0	48.42	J	97	50-150
Selenium	0.500	0.50	U	51	50-150
Silver	1.00	0.985	J	99	50-150
Sodium	50.0	48.45	J	97	50-150
Thallium	0.200	0.211		106	50-150
Vanadium	1.00	0.962	J	96	50-150
Zinc	4.00	4.0	U	86	50-150

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 Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Concentration Units: ug/L

Analyte	RL	ICB 460-173855/9 08/01/2013 01:26		CCB 460-173855/16 08/01/2013 01:54		CCB 460-173855/28 08/01/2013 02:43		CCB 460-173855/33 08/01/2013 03:04	
		Found	C	Found	C	Found	C	Found	C
Aluminum	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Antimony	0.50	0.50	U	0.50	U	0.50	U	0.50	U
Arsenic	0.50	0.50	U	0.50	U	0.50	U	0.50	U
Barium	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Beryllium	0.20	0.20	U	0.20	U	0.20	U	0.20	U
Cadmium	0.50	0.50	U	0.50	U	0.50	U	0.50	U
Calcium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Chromium	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Copper	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Iron	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Lead	0.30	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Manganese	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Nickel	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Potassium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Selenium	0.50	0.50	U	0.50	U	0.50	U	0.50	U
Silver	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Thallium	0.20	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	1.0	U	1.0	U	1.0	U	1.0	U
Zinc	4.0	4.0	U	4.0	U	4.0	U	4.0	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - SPLP EAST

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Concentration Units: ug/L Lab Sample ID: LB 460-173265/1-D ^10

Instrument Code: ICPMS2 Batch No.: 173855

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	100	U		6020
7440-36-0	Antimony	5.0	U		6020
7440-38-2	Arsenic	5.0	U		6020
7440-39-3	Barium	10.0	U		6020
7440-41-7	Beryllium	2.0	U		6020
7440-43-9	Cadmium	5.0	U		6020
7440-70-2	Calcium	500	U		6020
7440-47-3	Chromium	10.0	U		6020
7440-48-4	Cobalt	10.0	U		6020
7440-50-8	Copper	10.0	U		6020
7439-89-6	Iron	300	U		6020
7439-92-1	Lead	3.0	U		6020
7439-95-4	Magnesium	500	U		6020
7439-96-5	Manganese	20.0	U		6020
7440-02-0	Nickel	10.0	U		6020
7440-09-7	Potassium	500	U		6020
7782-49-2	Selenium	5.0	U		6020
7440-22-4	Silver	10.0	U		6020
7440-23-5	Sodium	500	U		6020
7440-28-0	Thallium	2.0	U		6020
7440-62-2	Vanadium	10.0	U		6020
7440-66-6	Zinc	40.0	U		6020

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Lab Sample ID: ICSA 460-173855/11 Instrument ID: ICPMS2

Lab File ID: 150SMPL.D ICS Source: ME_ICSA_MS_00240

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**50000**	**46362**	**93**
Antimony		**0.0910**	
Arsenic		**0.167**	
Barium		**0.147**	
Beryllium		**-0.0030**	
Cadmium		**0.593**	
Calcium	**150000**	**146230**	**97**
Chromium		**1.23**	
Cobalt		**0.0340**	
Copper		**0.649**	
Iron	**125000**	**119225**	**95**
Lead		**0.283**	
Magnesium	**50000**	**47731**	**95**
Manganese		**0.339**	
Nickel		**0.748**	
Potassium	**50000**	**47338**	**95**
Selenium		**0.0210**	
Silver		**0.0490**	
Sodium	**125000**	**121159**	**97**
Thallium		**0.0150**	
Vanadium		**0.0480**	
Zinc		**1.89**	
Boron		*1.04*	
Molybdenum	*1000*	*1026*	*103*
Strontium		*1.03*	
Tin		*0.161*	
Titanium	*1000*	*1028*	*103*

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 Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Lab Sample ID: ICSAB 460-173855/12 Instrument ID: ICPMS2

Lab File ID: 151SMPL.D ICS Source: ME_ICSAB_MS_00092

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**50000**	**46142**	**92**
Antimony		**0.0930**	
Arsenic	**100**	**103**	**103**
Barium		**0.283**	
Beryllium		**0.0010**	
Cadmium	**100**	**97.3**	**97**
Calcium	**150000**	**144478**	**96**
Chromium	**200**	**200**	**100**
Cobalt	**200**	**195**	**98**
Copper	**200**	**187**	**94**
Iron	**125000**	**119096**	**95**
Lead		**0.297**	
Magnesium	**50000**	**47609**	**95**
Manganese	**200**	**194**	**97**
Nickel	**200**	**189**	**95**
Potassium	**50000**	**46788**	**94**
Selenium	**100**	**97.9**	**98**
Silver	**200**	**190**	**95**
Sodium	**125000**	**120720**	**97**
Thallium		**0.0130**	
Vanadium	**200**	**202**	**101**
Zinc	**100**	**96.3**	**96**
Boron		*0.388*	
Molybdenum	*1000*	*1007*	*101*
Strontium		*0.961*	
Tin		*0.0950*	
Titanium	*1000*	*1009*	*101*

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-173566/2-A ^10

Lab Name: TestAmerica Edison Job No.: 200-17642-2

Sample Matrix: Water LCS Source: ME_ipmsSPK_00012

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2500	2424		97	75	125		6020
Antimony	25.0	25.27		101	75	125		6020
Arsenic	50.0	50.76		102	75	125		6020
Barium	50.0	46.49		93	75	125		6020
Beryllium	25.0	23.66		95	75	125		6020
Cadmium	25.0	25.66		103	75	125		6020
Calcium	2500	2404		96	75	125		6020
Chromium	50.0	50.46		101	75	125		6020
Cobalt	25.0	25.14		101	75	125		6020
Copper	50.0	51.18		102	75	125		6020
Iron	2500	2590		104	75	125		6020
Lead	25.0	24.72		99	75	125		6020
Magnesium	2500	2590		104	75	125		6020
Manganese	250	249.4		100	75	125		6020
Nickel	50.0	51.12		102	75	125		6020
Potassium	2500	2433		97	75	125		6020
Selenium	50.0	46.45		93	75	125		6020
Silver	25.0	25.10		100	75	125		6020
Sodium	2500	2613		105	75	125		6020
Thallium	20.0	18.97		95	75	125		6020
Vanadium	50.0	49.86		100	75	125		6020
Zinc	250	244.3		98	75	125		6020

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - SPLP EAST

Lab Name: TestAmerica Edison Job Number: 200-17642-2

SDG Number: 200-17642-2

Matrix: Solid Instrument ID: ICPMS2

Method: 6020 MDL Date: 01/05/2012 13:38

Prep Method: 3010A

Leach Method: 1312

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		50	43.75
Antimony		2.5	1.905
Arsenic		2.5	1.815
Barium		5	3.845
Beryllium		1	0.8
Cadmium		2.5	1.97
Calcium		250	195.5
Chromium		5	3.865
Cobalt		5	3.875
Copper		5	3.84
Iron		150	119
Lead		1.5	1.17
Magnesium		250	197
Manganese		10	8.05
Nickel		5	4.12
Potassium		250	201.5
Selenium		2.5	1.45
Silver		5	4.065
Sodium		250	193
Thallium		1	0.785
Vanadium		5	3.835
Zinc		20	19.695

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - SPLP EAST

Lab Name: TestAmerica Edison Job Number: 200-17642-2

SDG Number: 200-17642-2

Matrix: Solid Instrument ID: ICPMS2

Method: 6020 XMDL Date: 11/14/2011 14:24

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		10	8.75
Antimony		0.5	0.381
Arsenic		0.5	0.363
Barium		1	0.769
Beryllium		0.2	0.16
Cadmium		0.5	0.394
Calcium		50	39.1
Chromium		1	0.773
Cobalt		1	0.775
Copper		1	0.768
Iron		30	23.8
Lead		0.3	0.234
Magnesium		50	39.4
Manganese		2	1.61
Nickel		1	0.824
Potassium		50	40.3
Selenium		0.5	0.29
Silver		1	0.813
Sodium		50	38.6
Thallium		0.2	0.157
Vanadium		1	0.767
Zinc		4	3.939

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 460-173566/2-A ^10	07/31/2013 08:32	173566		50	50
200-17642-2	07/31/2013 08:32	173566		50	50
200-17642-3	07/31/2013 08:32	173566		50	50
LB 460-173265/1-D ^10	07/31/2013 08:32	173566		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Instrument ID: ICPMS2 Analysis Method: 6020

Start Date: 08/01/2013 00:53 End Date: 08/01/2013 10:15

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl	V	Zn				
ZZZZZZ			00:53																												
ZZZZZZ			00:57																												
ZZZZZZ			01:01																												
ZZZZZZ			01:05																												
ZZZZZZ			01:09																												
ZZZZZZ			01:14																												
ZZZZZZ			01:18																												
ICV 460-173855/8	1		01:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ICB 460-173855/9	1		01:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
CRI 460-173855/10	1		01:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ICSA 460-173855/11	1		01:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ICSAB 460-173855/12	1		01:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ZZZZZZ			01:42																												
ZZZZZZ			01:46																												
CCV 460-173855/15	1		01:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
CCB 460-173855/16	1		01:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ZZZZZZ			01:58																												
LCS 460-173566/2-A ^10	10	T	02:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ZZZZZZ			02:06																												
ZZZZZZ			02:10																												
ZZZZZZ			02:15																												
ZZZZZZ			02:19																												
ZZZZZZ			02:23																												
ZZZZZZ			02:27																												
ZZZZZZ			02:31																												
ZZZZZZ			02:35																												
CCV 460-173855/27	1		02:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
CCB 460-173855/28	1		02:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
200-17642-2	10	E	02:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
200-17642-3	10	E	02:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
LB 460-173265/1-D ^10	10	E	02:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
CCV 460-173855/32	1		03:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
CCB 460-173855/33	1		03:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ZZZZZZ			03:08																												
ZZZZZZ			03:12																												
ZZZZZZ			03:16																												
ZZZZZZ			03:20																												
ZZZZZZ			03:24																												
ZZZZZZ			03:28																												
ZZZZZZ			03:32																												
ZZZZZZ			03:36																												
ZZZZZZ			03:40																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Instrument ID: ICPMS2 Analysis Method: 6020

Start Date: 08/01/2013 00:53 End Date: 08/01/2013 10:15

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl	V	Zn				
ZZZZZZ			03:44																												
CCV 460-173855/44			03:48																												
CCB 460-173855/45			03:52																												
ZZZZZZ			03:56																												
ZZZZZZ			04:00																												
ZZZZZZ			04:04																												
ZZZZZZ			04:09																												
ZZZZZZ			04:13																												
ZZZZZZ			04:17																												
ZZZZZZ			04:21																												
ZZZZZZ			04:25																												
ZZZZZZ			04:29																												
ZZZZZZ			04:33																												
CCV 460-173855/56			04:37																												
CCB 460-173855/57			04:41																												
ZZZZZZ			04:45																												
ZZZZZZ			04:49																												
ZZZZZZ			04:53																												
ZZZZZZ			04:57																												
ZZZZZZ			05:02																												
ZZZZZZ			05:06																												
ZZZZZZ			05:10																												
ZZZZZZ			05:14																												
ZZZZZZ			05:18																												
CCV 460-173855/67			05:22																												
CCB 460-173855/68			05:26																												
ZZZZZZ			05:30																												
ZZZZZZ			05:34																												
ZZZZZZ			05:38																												
ZZZZZZ			05:42																												
ZZZZZZ			05:46																												
ZZZZZZ			05:50																												
ZZZZZZ			05:54																												
ZZZZZZ			05:58																												
ZZZZZZ			06:03																												
ZZZZZZ			06:07																												
CCV 460-173855/79			06:11																												
CCB 460-173855/80			06:15																												
ZZZZZZ			06:19																												
ZZZZZZ			06:23																												
ZZZZZZ			06:27																												
ZZZZZZ			06:31																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Instrument ID: ICPMS2 Analysis Method: 6020

Start Date: 08/01/2013 00:53 End Date: 08/01/2013 10:15

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl	V	Zn				
ZZZZZZ			06:35																												
ZZZZZZ			06:39																												
ZZZZZZ			06:43																												
ZZZZZZ			06:47																												
ZZZZZZ			06:51																												
CCV 460-173855/90			06:55																												
CCB 460-173855/91			06:59																												
ZZZZZZ			07:03																												
ZZZZZZ			07:07																												
ZZZZZZ			07:12																												
ZZZZZZ			07:16																												
ZZZZZZ			07:20																												
ZZZZZZ			07:24																												
ZZZZZZ			07:28																												
ZZZZZZ			07:32																												
ZZZZZZ			07:36																												
ZZZZZZ			07:40																												
CCV 460-173855/102			07:44																												
CCB 460-173855/103			07:48																												
ZZZZZZ			07:52																												
ZZZZZZ			07:56																												
ZZZZZZ			08:00																												
ZZZZZZ			08:04																												
ZZZZZZ			08:08																												
ZZZZZZ			08:13																												
ZZZZZZ			08:17																												
ZZZZZZ			08:21																												
ZZZZZZ			08:25																												
ZZZZZZ			08:29																												
CCV 460-173855/114			08:33																												
CCB 460-173855/115			08:37																												
ZZZZZZ			08:41																												
ZZZZZZ			08:45																												
ZZZZZZ			08:49																												
ZZZZZZ			08:53																												
ZZZZZZ			08:57																												
ZZZZZZ			09:01																												
CCV 460-173855/122			09:05																												
CCB 460-173855/123			09:09																												
ZZZZZZ			09:14																												
ZZZZZZ			09:18																												
ZZZZZZ			09:22																												

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Instrument ID: ICPMS2 Analysis Method: 6020

Start Date: 08/01/2013 00:53 End Date: 08/01/2013 10:15

Lab Sample Id	D/F	Type	Time	Analytes																												
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl	V	Zn				
ZZZZZZ			09:26																													
ZZZZZZ			09:30																													
ZZZZZZ			09:34																													
CCV 460-173855/130			09:38																													
CCB 460-173855/131			09:42																													
ZZZZZZ			09:46																													
ZZZZZZ			09:50																													
ZZZZZZ			09:55																													
ZZZZZZ			09:59																													
ZZZZZZ			10:03																													
ZZZZZZ			10:07																													
CCV 460-173855/138			10:11																													
CCB 460-173855/139			10:15																													

Prep Types:
E = SPLP East
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

ICP-MS Instrument ID: ICPMS2 Start Date: 08/01/2013 End Date: 08/01/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Tb	Q
ICV 460-173855/8	01:22	100		100		100		99		100	
ICB 460-173855/9	01:26	100		98		101		98		98	
CRI 460-173855/10	01:30	99		100		100		99		99	
ICSA 460-173855/11	01:34	90		92		91		89		94	
ICSAB 460-173855/12	01:38	90		90		91		89		94	
CCV 460-173855/15	01:50	102		96		99		97		100	
CCB 460-173855/16	01:54	103		97		99		99		100	
LCS 460-173566/2-A	02:02	105		97		97		98		100	
CCV 460-173855/27	02:39	100		96		97		95		98	
CCB 460-173855/28	02:43	101		96		98		97		98	
200-17642-2	02:47	102		95		96		96		99	
200-17642-3	02:51	101		94		95		97		99	
LB 460-173265/1-D	02:55	103		96		96		98		100	
CCV 460-173855/32	03:00	101		97		98		97		99	
CCB 460-173855/33	03:04	103		99		99		99		100	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

ICP-MS Instrument ID: ICPMS2 Start Date: 08/01/2013 End Date: 08/01/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 460-173855/8	01:22	98									
ICB 460-173855/9	01:26	98									
CRI 460-173855/10	01:30	98									
ICSA 460-173855/11	01:34	86									
ICSAB 460-173855/12	01:38	86									
CCV 460-173855/15	01:50	99									
CCB 460-173855/16	01:54	101									
LCS 460-173566/2-A	02:02	101									
CCV 460-173855/27	02:39	97									
CCB 460-173855/28	02:43	99									
200-17642-2	02:47	100									
200-17642-3	02:51	99									
LB 460-173265/1-D	02:55	100									
CCV 460-173855/32	03:00	97									
CCB 460-173855/33	03:04	101									

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 31 Jul 2013 01:59:34 pm
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\2008tune.m

Minimum Response(CPS)

Element	Actual	Required	Flag

RSD (%)

Element	Actual	Required	Flag
9 Be	1.65	5.00	
24 Mg	1.41	5.00	
25 Mg	0.82	5.00	
26 Mg	0.77	5.00	
59 Co	1.29	5.00	
115 In	1.34	5.00	
206 Pb	1.40	5.00	
207 Pb	1.01	5.00	
208 Pb	2.56	5.00	

Ion Ratio

Element	Actual	Required	Flag

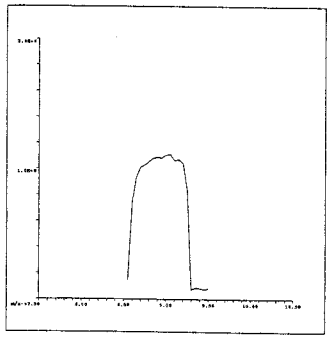
Maximum Bkg. Count(CPS)

Element	Actual	Required	Flag

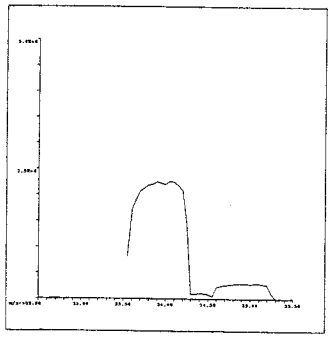
methods
200.8 + 6020

LD 7-31-13

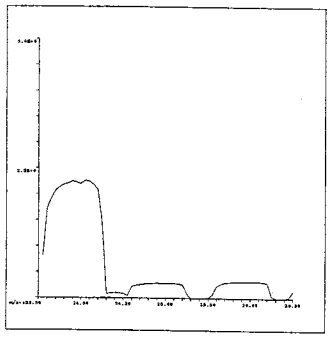
Tune solution:
2195951
ME-ITUNE-00010
exp: 9/14/13



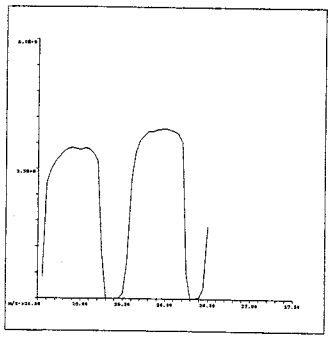
9 Be
Mass Calib.
Actual: 8.95
Required: 8.90-9.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



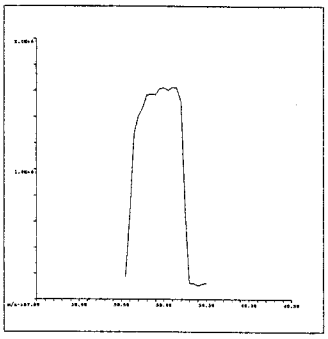
24 Mg
Mass Calib.
Actual: 24.00
Required: 23.90-24.10
Flag:
Peak Width
Actual: 0.70
Required: 0.90
Flag:



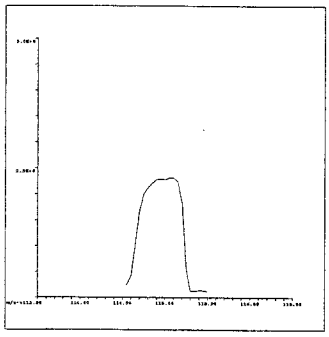
25 Mg
Mass Calib.
Actual: 24.95
Required: 24.90-25.10
Flag:
Peak Width
Actual: 0.70
Required: 0.90
Flag:



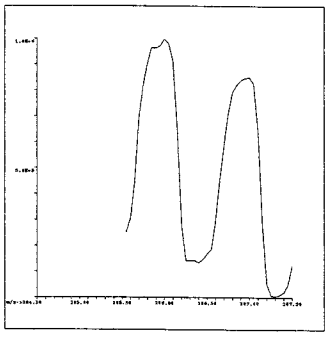
26 Mg
Mass Calib.
Actual: 26.00
Required: 25.90-26.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



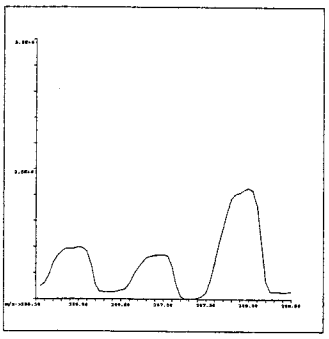
59 Co
Mass Calib.
Actual: 59.05
Required: 58.90-59.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



115 In
Mass Calib.
Actual: 115.00
Required: 114.90-115.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:

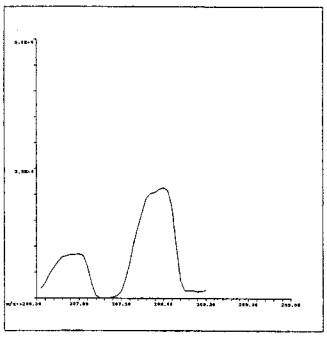


206 Pb
Mass Calib.
Actual: 205.95
Required: 205.90-206.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



207 Pb
Mass Calib.
Actual: 206.95
Required: 206.90-207.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:

C:\ICPMH\1\7500\QCTUNE.D



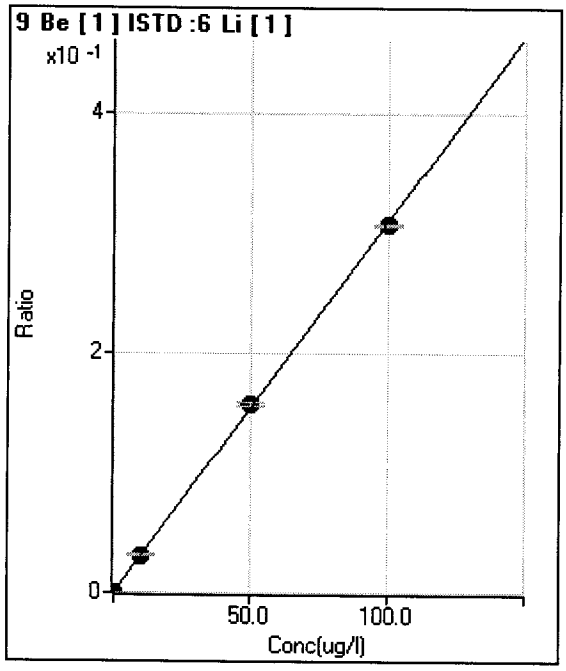
208 Pb
Mass Calib.
Actual: 207.95
Required: 207.90-208.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:

QC Tune Result:Pass

Calibration for 1546CCV.D

Batch Folder:	C:\ICPMH\1\DATA\13G31p01.B\
Analysis File:	13G31p01.batch.xml
DA Date-Time:	8/1/2013 1:51:52 AM
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	
Tune Step:	#1 helium.u

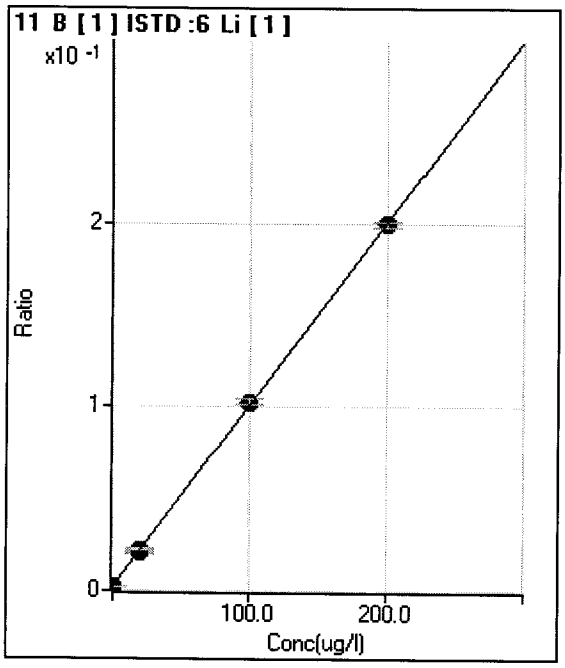
Level	Standard Data File	Sample Name	Acq. Date-Time
1	142CALB.D	Cal Blank	8/1/2013 1:01:44 AM
2	143CALS.D	CAL1 2343254	8/1/2013 1:05:50 AM
3	144CALS.D	CAL2 2343175	8/1/2013 1:09:56 AM
4	145CALS.D	CAL3 2343227	8/1/2013 1:14:01 AM
5	146CALS.D	CAL4 2343252	8/1/2013 1:18:03 AM



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.56	0.0000	P	173.2
2	☐	0.200	0.188	28.89	0.0006	P	39.9
3	☐	10.000	10.115	1498.43	0.0313	P	4.3
4	☐	50.000	50.851	7491.26	0.1575	P	2.2
5	☐	100.000	99.071	14682.86	0.3068	P	0.6

y = 0.0031 * x + 1.0808E-005
R = 0.9999
DL = 0.01892
BEC = 0.00349

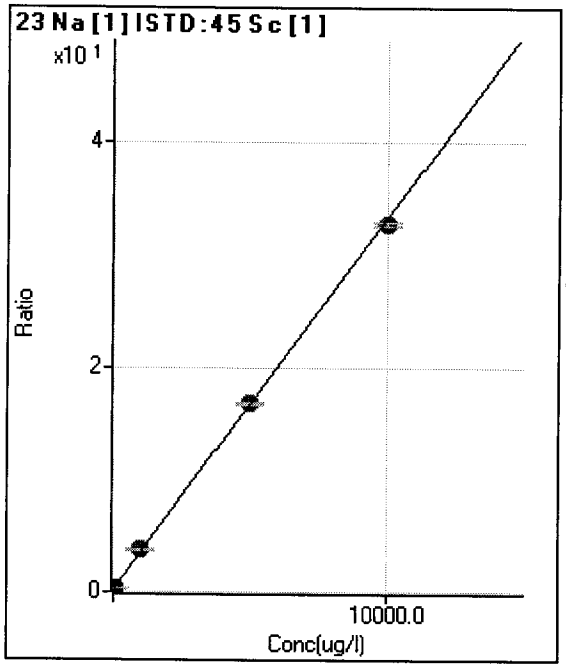
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.058	110.00	0.0022	P	13.8
2	☐	20.000	18.609	1003.40	0.0206	P	9.3
3	☐	20.000	20.668	1083.40	0.0226	P	6.3
4	☐	100.000	101.674	4892.00	0.1028	P	2.8
5	☐	200.000	199.135	9538.61	0.1993	P	1.9

y = 9.8988E-004 * x + 0.0022
R = 0.9999
DL = 0.9364
BEC = 2.211

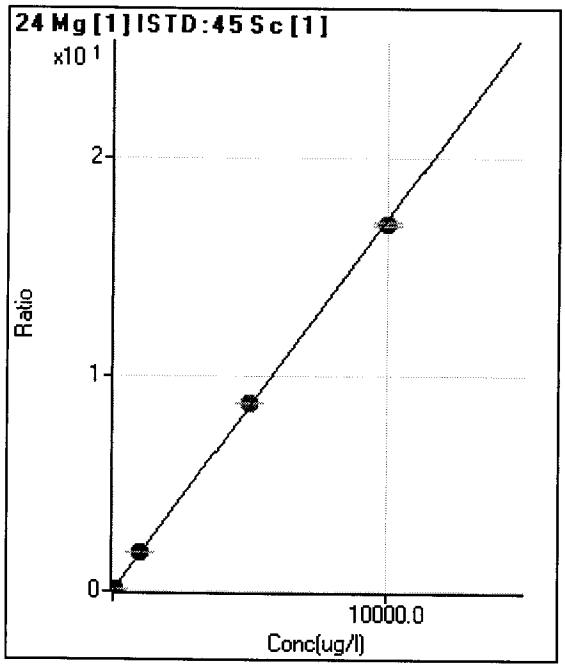
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.279	37866.94	0.1694	P	1.0
2	☐	50.000	55.094	77550.32	0.3528	P	2.2
3	☐	1000.000	1078.525	807404.78	3.7420	A	4.1
4	☐	5000.000	5014.697	3667019.04	16.7773	A	0.7
5	☐	10000.000	9824.553	7222562.53	32.7060	A	1.1

y = 0.0033 * x + 0.1703
R = 0.9999
DL = 1.585
BEC = 51.43

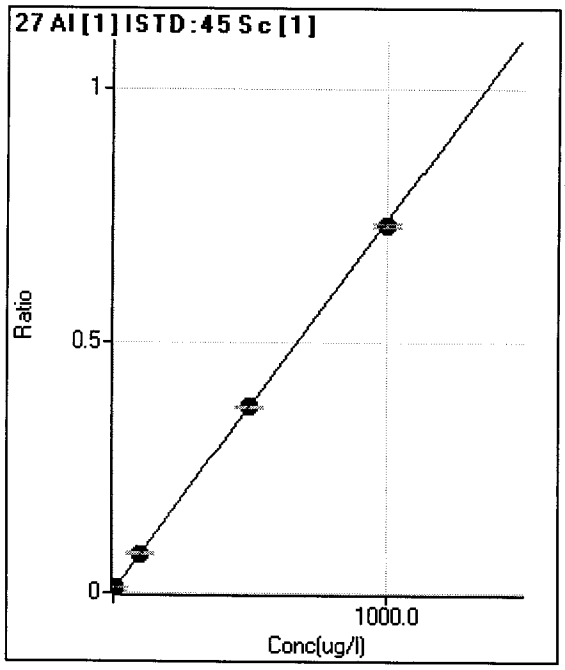
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.063	320.01	0.0014	P	19.4
2	☐	50.000	51.064	19612.41	0.0892	P	3.3
3	☐	1000.000	1054.368	390992.63	1.8117	P	3.1
4	☐	5000.000	5084.829	1908466.81	8.7315	A	0.1
5	☐	10000.000	9865.868	3740889.88	16.9398	A	1.0

y = 0.0017 * x + 0.0015
R = 0.9999
DL = 0.4861
BEC = 0.8968

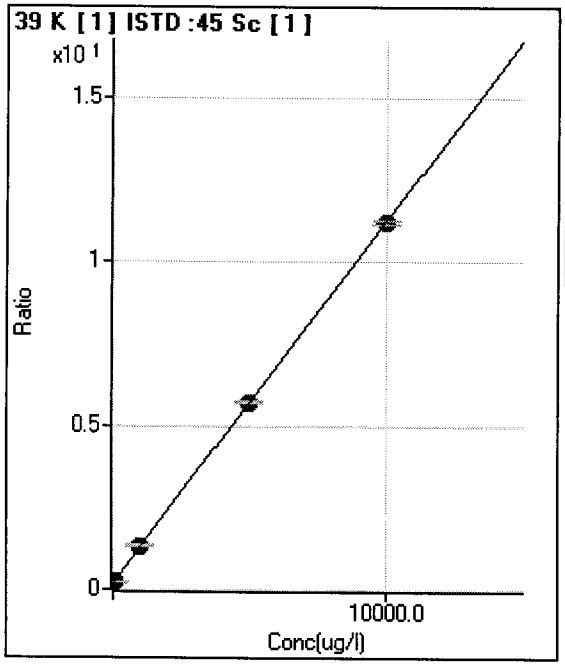
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-1.784	578.91	0.0026	P	11.0
2	☐	10.000	10.864	2610.25	0.0119	P	1.7
3	☐	100.000	101.978	16999.11	0.0788	P	3.1
4	☐	500.000	498.296	80814.82	0.3697	P	1.1
5	☐	1000.000	987.143	160912.66	0.7287	P	1.1

y = 7.3420E-004 * x + 0.0039
R = 1.0000
DL = 1.167
BEC = 5.308

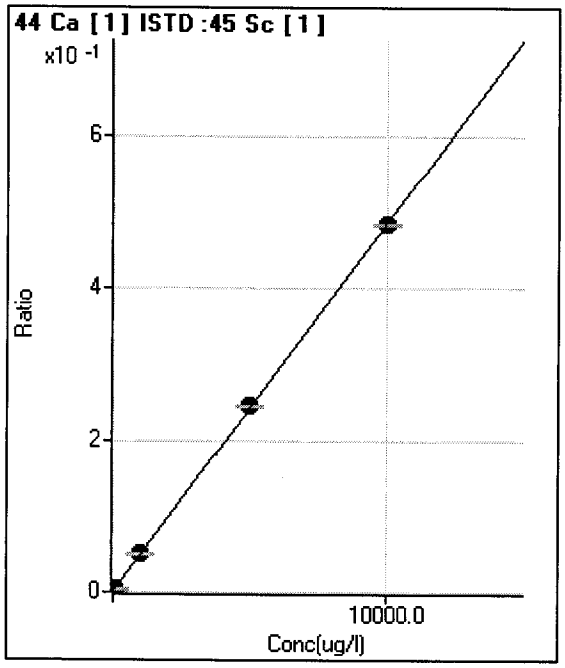
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-5.019	35026.59	0.1567	P	1.7
2	☐	50.000	50.655	47998.92	0.2183	P	1.4
3	☐	1000.000	1040.599	283581.16	1.3141	P	3.5
4	☐	5000.000	5014.152	1248621.36	5.7127	A	1.4
5	☐	10000.000	9951.453	2468536.16	11.1780	A	0.9

y = 0.0011 * x + 0.1623
R = 1.0000
DL = 7.29
BEC = 146.6

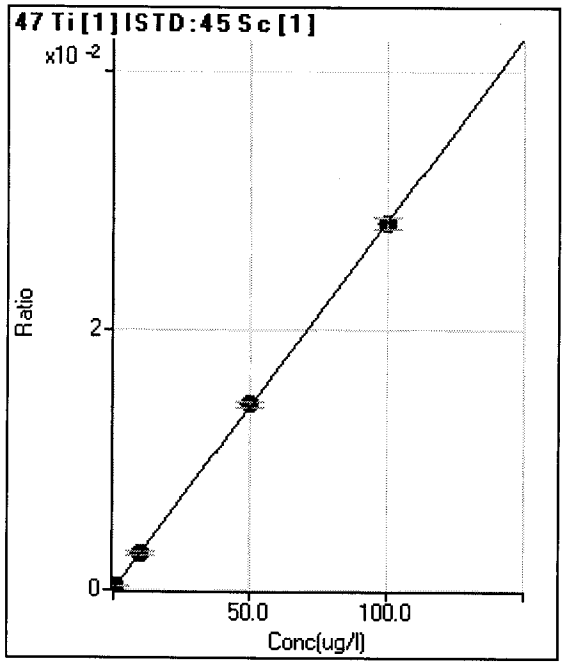
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-2.819	75.00	0.0003	P	23.5
2	☐	50.000	69.698	847.82	0.0039	P	5.5
3	☐	1000.000	1037.298	10961.68	0.0508	P	3.1
4	☐	5000.000	5058.190	53735.41	0.2459	P	0.8
5	☐	10000.000	9978.649	107007.19	0.4845	P	0.3

y = 4.8511E-005 * x + 4.7295E-004
R = 1.0000
DL = 4.884
BEC = 9.749

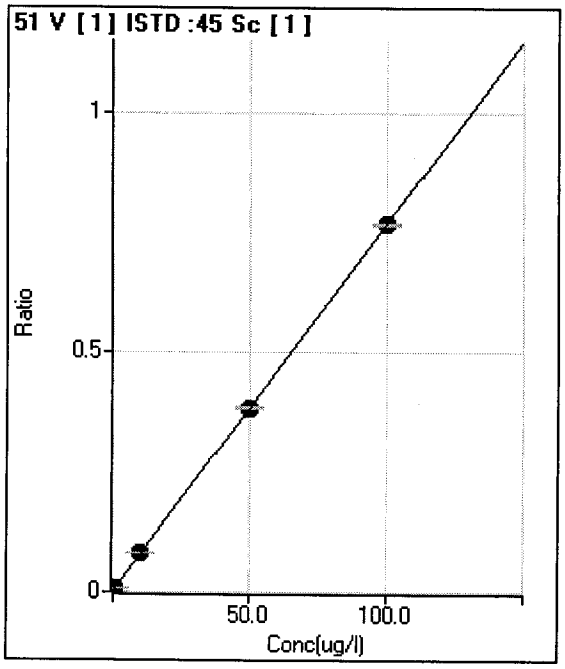
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.001	1.11	0.0000	P	173.2
2	☐	1.000	0.911	57.78	0.0003	P	7.8
3	☐	10.000	10.103	620.04	0.0029	P	9.4
4	☐	50.000	50.466	3130.40	0.0143	P	3.8
5	☐	100.000	99.535	6238.08	0.0282	P	3.0

y = 2.8373E-004 * x + 4.4883E-006
R = 1.0000
DL = 0.08948
BEC = 0.01582

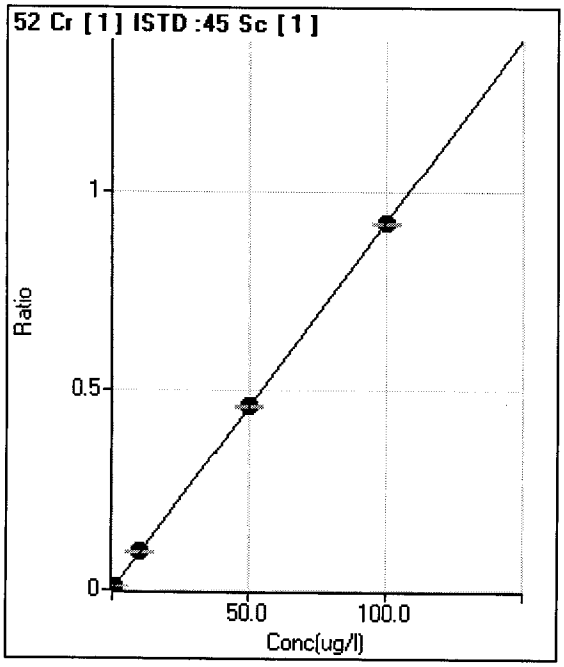
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.002	316.68	0.0014	P	4.1
2	☐	1.000	1.052	2083.54	0.0095	P	5.0
3	☐	10.000	10.257	17252.05	0.0799	P	1.2
4	☐	50.000	49.953	83851.62	0.3836	P	0.4
5	☐	100.000	99.957	169213.54	0.7662	P	0.2

y = 0.0077 * x + 0.0014
R = 1.0000
DL = 0.02252
BEC = 0.1867

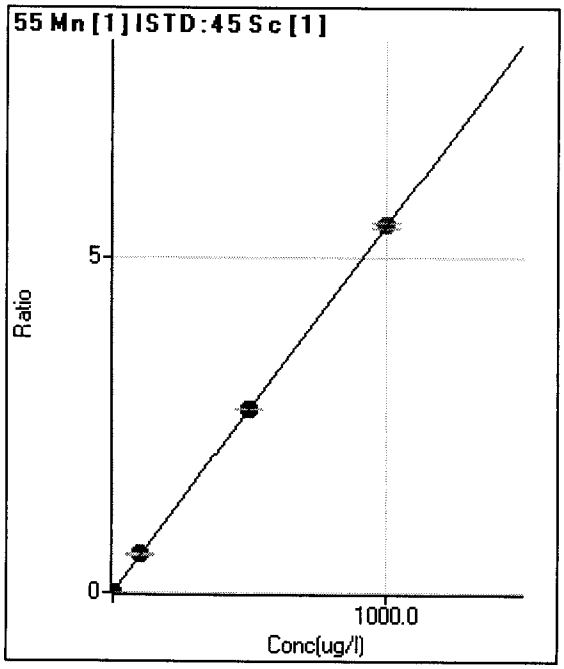
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	204.46	0.0009	P	4.7
2	☐	1.000	1.055	2341.37	0.0106	P	5.1
3	☐	10.000	10.352	20780.79	0.0963	P	3.6
4	☐	50.000	49.997	100891.71	0.4616	P	0.5
5	☐	100.000	99.750	203176.32	0.9200	P	0.8

y = 0.0092 * x + 9.1854E-004
R = 1.0000
DL = 0.01396
BEC = 0.09969

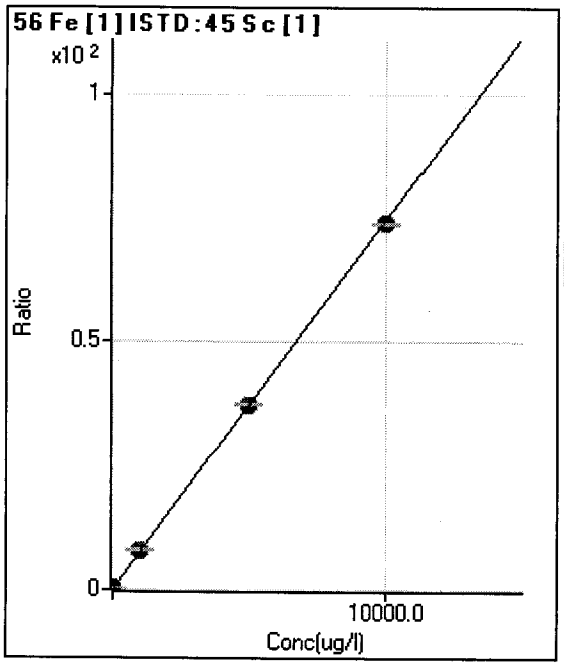
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.001	147.78	0.0007	P	23.8
2	☐	2.000	2.024	2580.30	0.0117	P	6.4
3	☐	100.000	103.662	122528.81	0.5678	P	3.3
4	☐	500.000	499.616	597571.36	2.7340	P	0.4
5	☐	1000.000	1003.336	1212338.00	5.4897	A	1.2

y = 0.0055 * x + 6.6716E-004
R = 1.0000
DL = 0.086
BEC = 0.1219

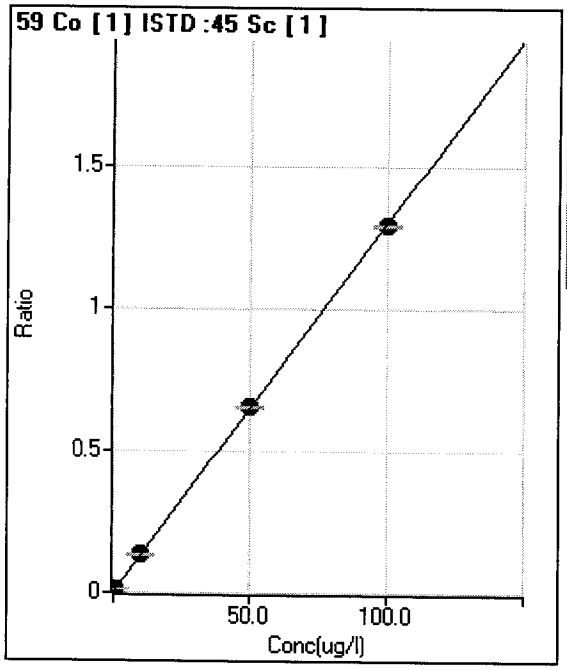
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.135	1777.35	0.0080	P	1.8
2	☐	30.000	32.208	54750.32	0.2491	P	2.1
3	☐	1000.000	1070.727	1724416.76	7.9909	A	3.4
4	☐	5000.000	5013.206	8170338.70	37.3810	A	0.8
5	☐	10000.000	9919.512	16332141.14	73.9560	A	0.8

y = 0.0075 * x + 0.0090
R = 1.0000
DL = 0.05882
BEC = 1.202

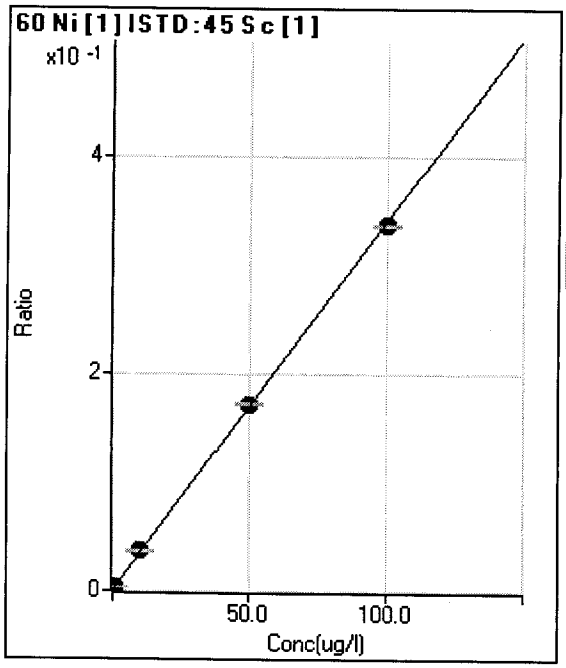
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.89	0.0001	P	49.4
2	☐	1.000	1.005	2890.36	0.0132	P	6.5
3	☐	10.000	10.350	29048.42	0.1346	P	2.6
4	☐	50.000	50.321	142953.43	0.6540	P	0.8
5	☐	100.000	99.342	285122.93	1.2911	P	0.3

y = 0.0130 * x + 8.7363E-005
R = 1.0000
DL = 0.009588
BEC = 0.006723

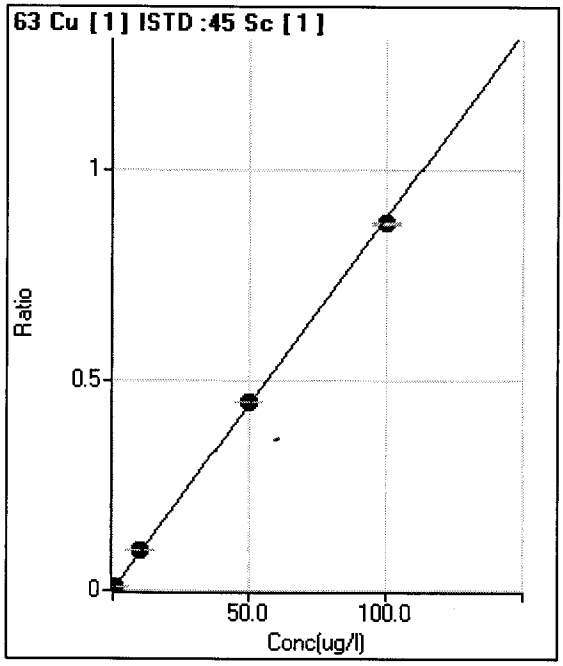
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.002	80.00	0.0004	P	7.3
2	☐	1.000	1.067	877.83	0.0040	P	4.1
3	☐	10.000	10.747	7966.73	0.0369	P	3.9
4	☐	50.000	50.469	37602.06	0.1720	P	0.8
5	☐	100.000	98.943	74405.24	0.3369	P	0.7

y = 0.0034 * x + 3.6442E-004
R = 0.9999
DL = 0.02306
BEC = 0.1071

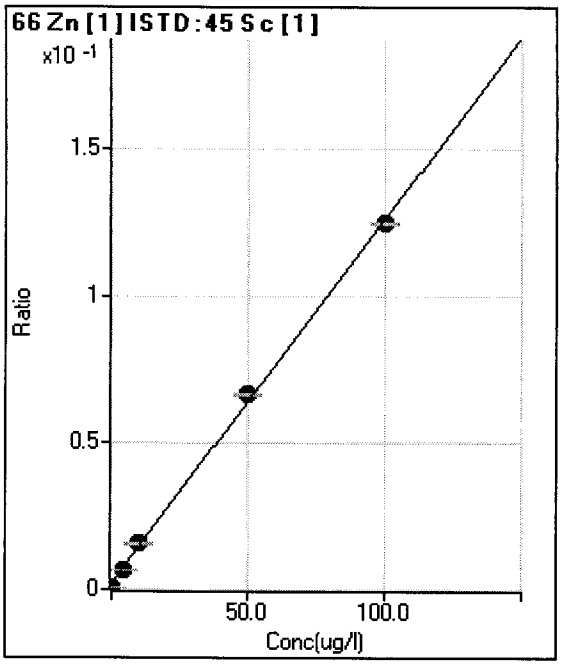
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.022	271.12	0.0012	P	6.2
2	☐	1.000	1.126	2501.39	0.0114	P	2.6
3	☐	10.000	10.638	20651.87	0.0957	P	0.9
4	☐	50.000	50.770	98620.09	0.4512	P	0.4
5	☐	100.000	98.573	193170.57	0.8747	P	0.3

y = 0.0089 * x + 0.0014
R = 0.9999
DL = 0.02531
BEC = 0.1585

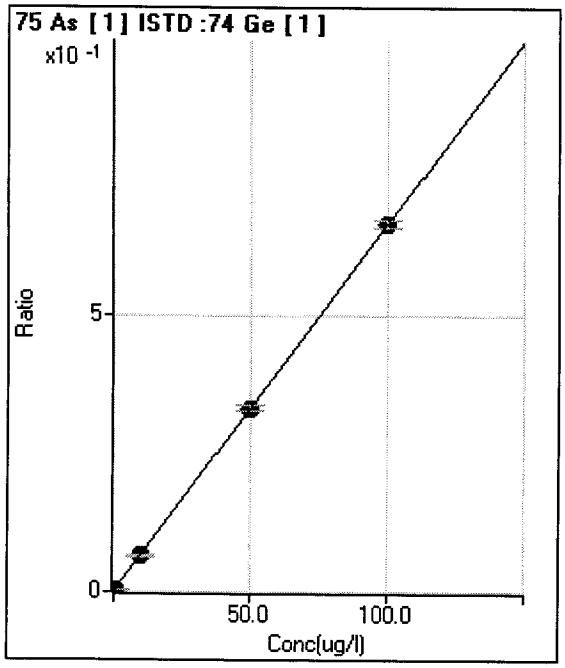
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-1.387	96.67	0.0004	P	22.2
2	☐	4.000	3.654	1471.23	0.0067	P	4.7
3	☐	10.000	10.810	3360.48	0.0156	P	1.8
4	☐	50.000	51.981	14568.31	0.0667	P	0.8
5	☐	100.000	98.942	27587.03	0.1249	P	0.7

y = 0.0012 * x + 0.0022
R = 0.9995
DL = 0.2324
BEC = 1.737

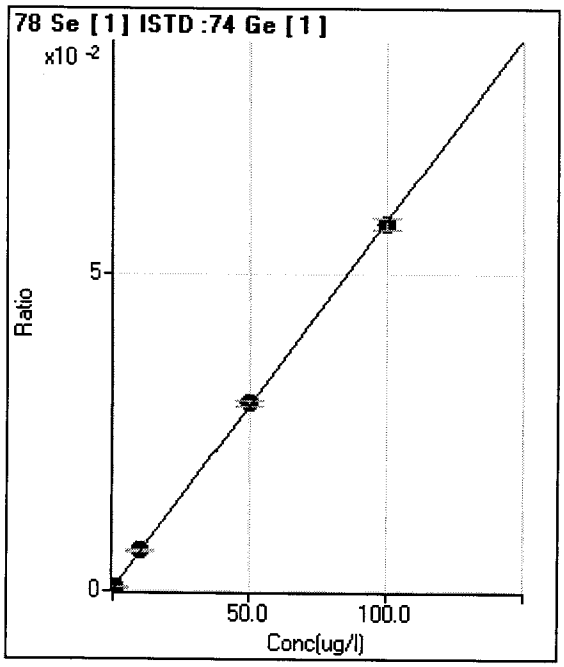
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	13.33	0.0005	P	66.7
2	☐	0.500	0.489	92.78	0.0038	P	8.4
3	☐	10.000	9.903	1603.44	0.0664	P	4.5
4	☐	50.000	50.056	8071.64	0.3334	P	3.2
5	☐	100.000	100.050	16236.37	0.6659	P	2.2

y = 0.0067 * x + 5.2830E-004
R = 1.0000
DL = 0.1634
BEC = 0.07944

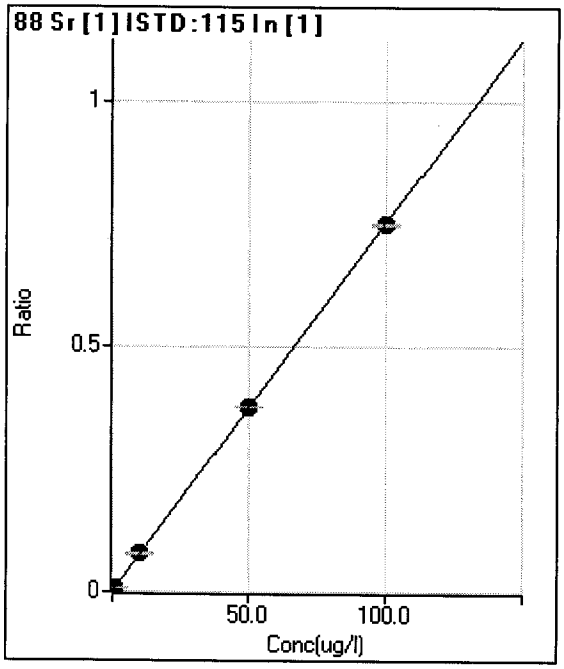
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.060	7.08	0.0003	P	25.1
2	☐	0.500	0.607	16.53	0.0007	P	17.2
3	☐	10.000	10.289	151.53	0.0063	P	5.2
4	☐	50.000	50.499	715.16	0.0295	P	2.8
5	☐	100.000	99.201	1407.29	0.0577	P	3.2

y = 5.7856E-004 * x + 3.2232E-004
R = 1.0000
DL = 0.3741
BEC = 0.5571

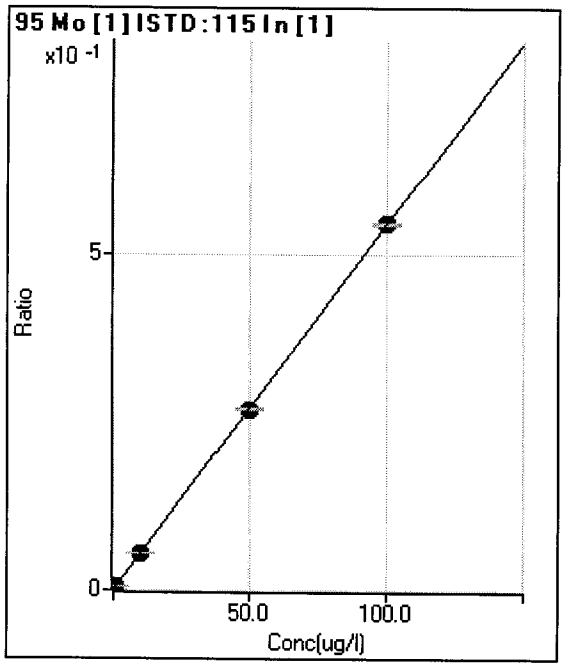
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.56	0.0002	P	87.2
2	☐	1.000	0.998	1135.64	0.0077	P	4.4
3	☐	10.000	10.296	11257.77	0.0775	P	5.5
4	☐	50.000	50.163	54321.42	0.3769	P	0.6
5	☐	100.000	99.627	108480.09	0.7484	P	0.6

y = 0.0075 * x + 1.7228E-004
R = 1.0000
DL = 0.05943
BEC = 0.02294

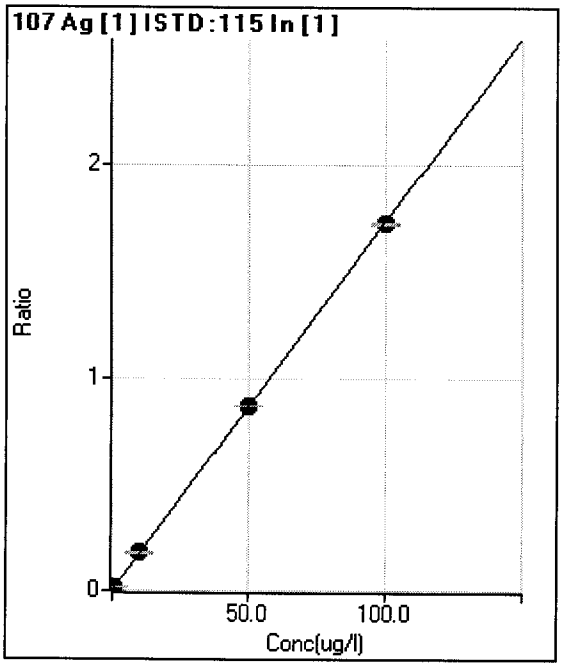
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	13.33	0.0001	P	50.4
2	☐	1.000	0.928	760.05	0.0051	P	4.9
3	☐	10.000	10.110	8009.00	0.0551	P	4.4
4	☐	50.000	49.608	38936.57	0.2702	P	1.7
5	☐	100.000	100.257	79133.08	0.5459	P	0.7

y = 0.0054 * x + 7.6716E-005
R = 1.0000
DL = 0.02465
BEC = 0.01409

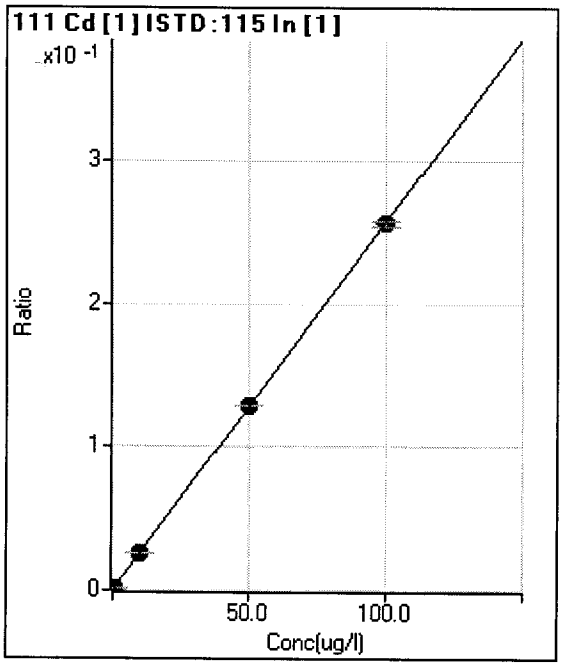
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0001	P	21.7
2	☐	1.000	0.996	2566.97	0.0173	P	2.9
3	☐	10.000	10.295	25938.24	0.1784	P	2.8
4	☐	50.000	50.205	125390.56	0.8700	P	0.3
5	☐	100.000	99.516	249956.58	1.7244	P	0.4

y = 0.0173 * x + 6.0565E-005
R = 1.0000
DL = 0.002219
BEC = 0.003495

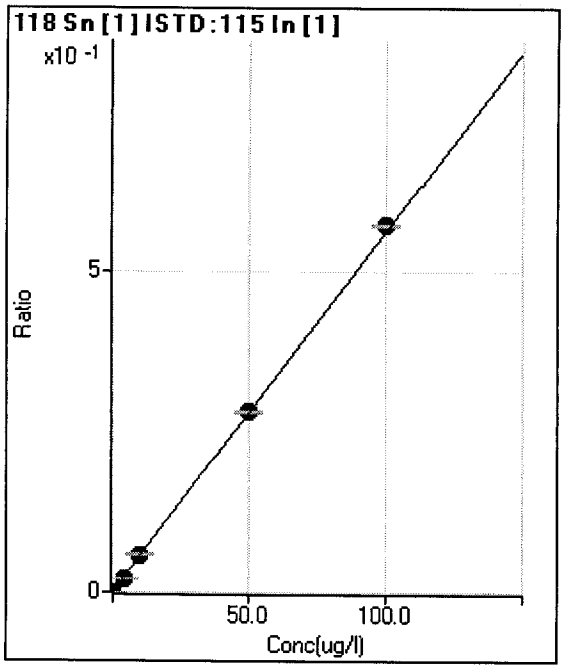
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	3.33	0.0000	P	100.3
2	☐	0.500	0.388	150.01	0.0010	P	16.3
3	☐	10.000	10.160	3801.72	0.0261	P	2.2
4	☐	50.000	50.274	18629.68	0.1293	P	0.7
5	☐	100.000	99.714	37154.94	0.2563	P	1.8

y = 0.0026 * x + 1.6319E-005
R = 1.0000
DL = 0.02604
BEC = 0.006348

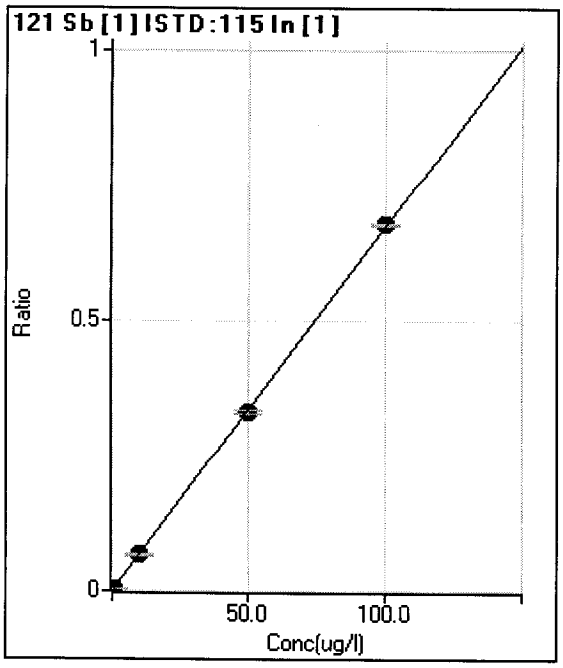
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.020	26.67	0.0002	P	33.3
2	☐	4.000	3.878	3226.01	0.0218	P	0.7
3	☐	10.000	10.455	8511.55	0.0586	P	3.4
4	☐	50.000	50.008	40333.37	0.2798	P	0.2
5	☐	100.000	101.983	82710.98	0.5706	P	0.5

y = 0.0056 * x + 6.7271E-005
R = 0.9999
DL = 0.03172
BEC = 0.01202

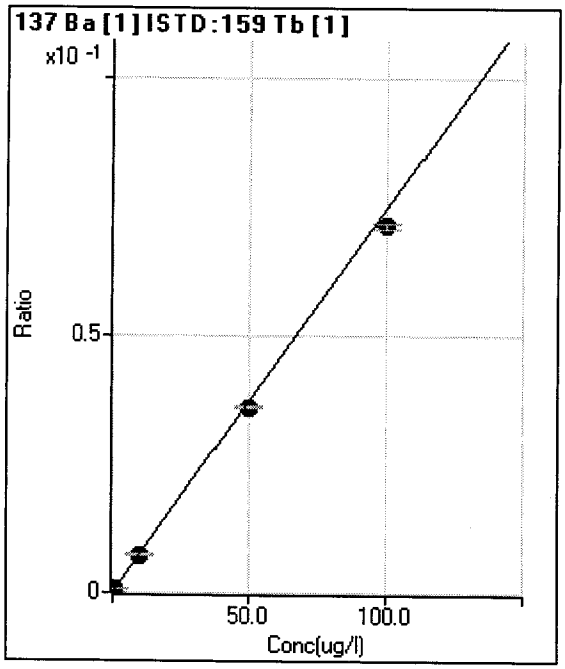
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.002	16.67	0.0001	P	34.7
2	☐	0.500	0.451	463.36	0.0031	P	16.5
3	☐	10.000	10.124	9902.42	0.0682	P	5.3
4	☐	50.000	49.135	47621.06	0.3304	P	1.5
5	☐	100.000	100.818	98260.10	0.6779	P	0.9

y = 0.0067 * x + 9.9475E-005
R = 0.9999
DL = 0.01716
BEC = 0.0148

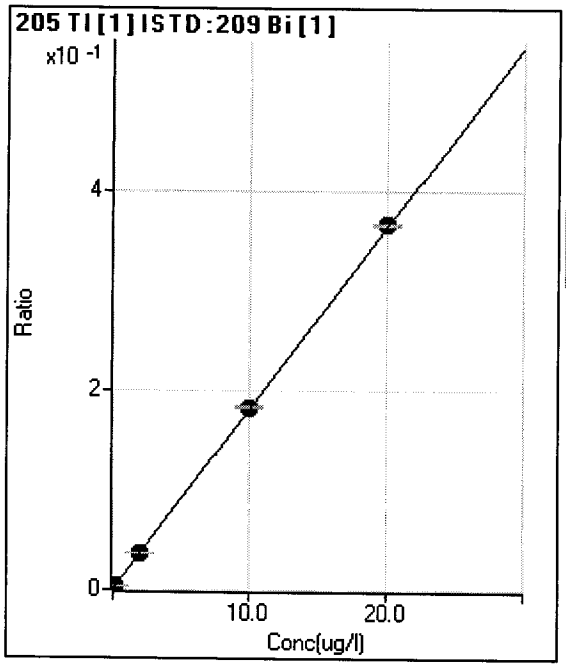
Weight: 1/y
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.010	5.56	0.0000	P	35.0
2	☐	1.000	1.023	404.46	0.0008	P	0.7
3	☐	10.000	9.688	3679.47	0.0073	P	3.6
4	☐	50.000	48.325	18474.13	0.0361	P	1.3
5	☐	100.000	95.632	36752.59	0.0715	P	1.6

y = 7.4735E-004 * x + 1.8183E-005
R = 1.0000
DL = 0.01492
BEC = 0.02433

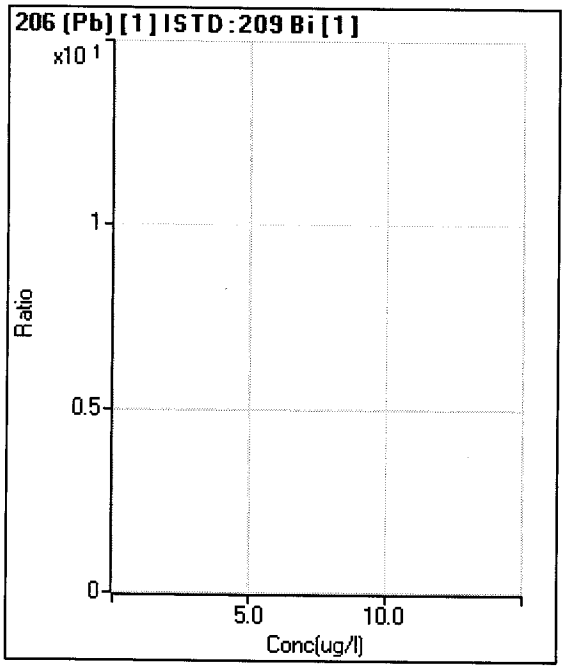
Weight: 1/SD^2
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.003	35.56	0.0001	P	22.1
2	☐	0.200	0.195	1672.38	0.0036	P	0.6
3	☐	2.000	2.016	16913.83	0.0366	P	1.2
4	☐	10.000	10.092	83081.11	0.1833	P	1.0
5	☐	20.000	20.193	165021.28	0.3668	P	0.4

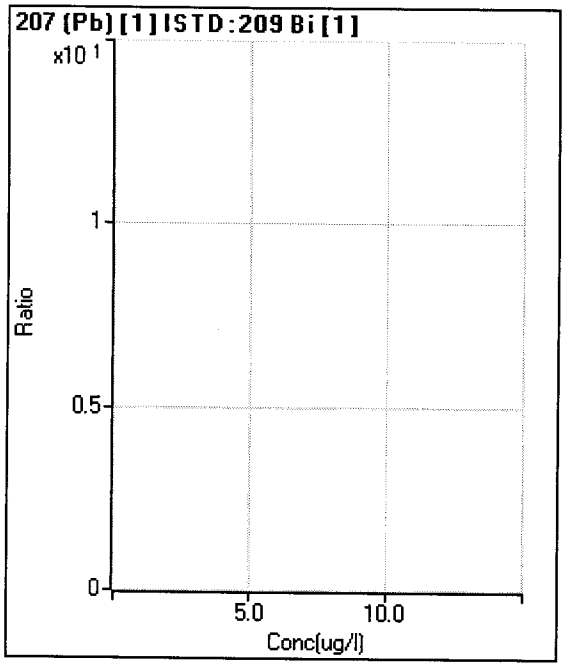
y = 0.0182 * x + 2.8192E-005
R = 1.0000
DL = 0.002734
BEC = 0.001552

Weight: 1/SD^2
Min Conc: <None>



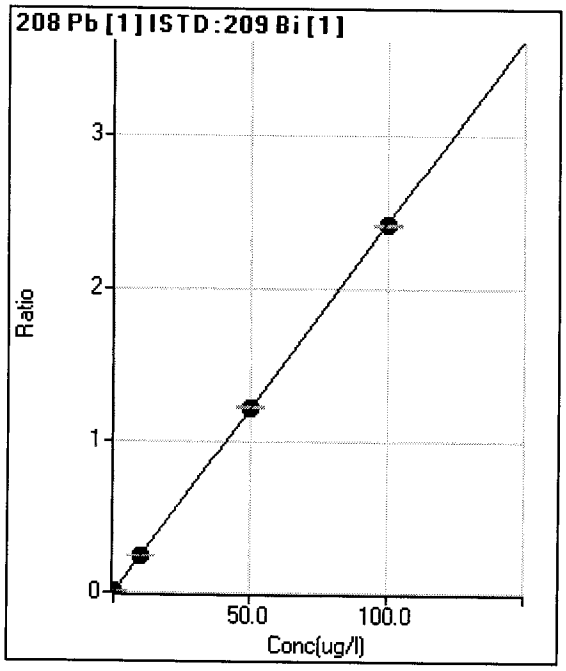
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			40.00	0.0001	P	13.9
2	☐			880.06	0.0019	P	3.4
3	☐			27715.37	0.0600	P	1.8
4	☐			134294.67	0.2963	P	0.3
5	☐			265312.43	0.5897	P	0.4

Excluded



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			38.89	0.0001	P	13.7
2	☐			746.72	0.0016	P	3.9
3	☐			25335.42	0.0549	P	1.5
4	☐			121957.79	0.2691	P	1.3
5	☐			240449.17	0.5344	P	0.5

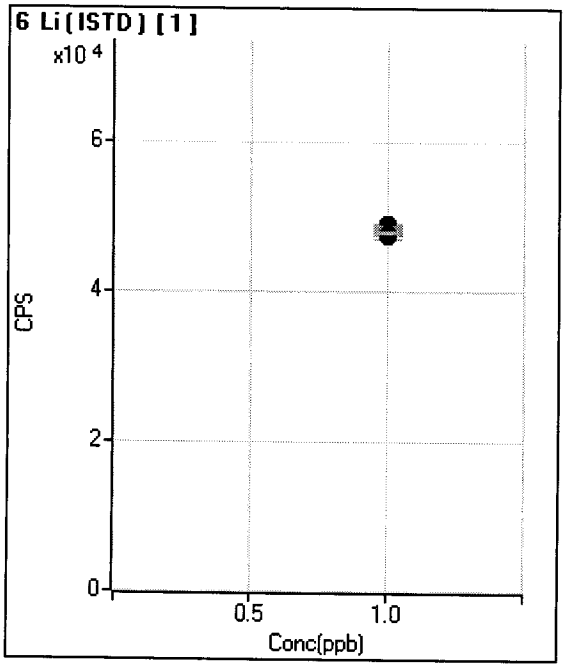
Excluded



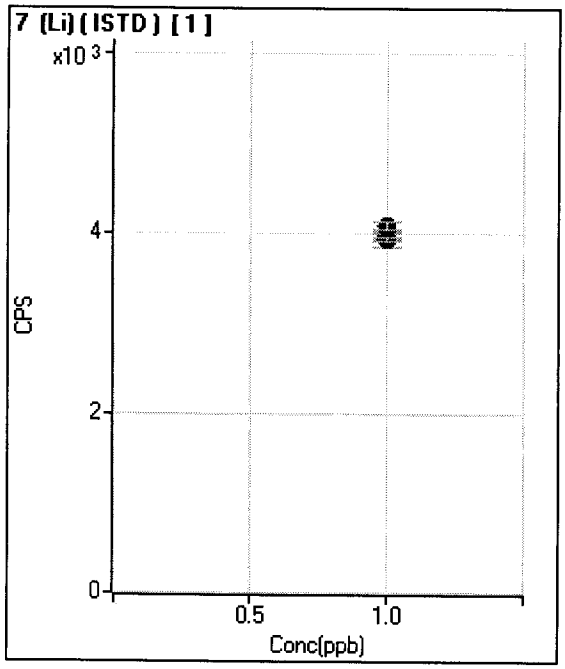
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.001	157.78	0.0003	P	17.4
2	☐	0.300	0.302	3606.98	0.0077	P	1.0
3	☐	10.000	10.142	113739.34	0.2464	P	1.7
4	☐	50.000	50.283	553014.81	1.2203	P	0.9
5	☐	100.000	99.405	1085261.15	2.4120	P	0.6

y = 0.0243 * x + 3.6492E-004
R = 1.0000
DL = 0.007131
BEC = 0.01504

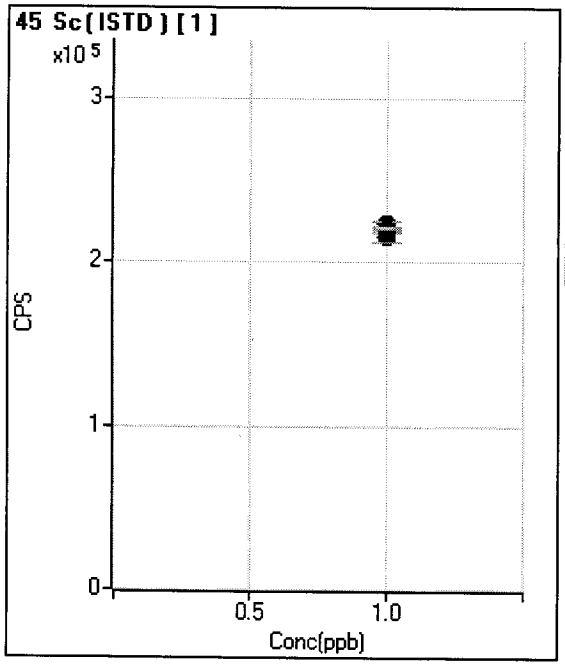
Weight: 1/SD^2
Min Conc: <None>



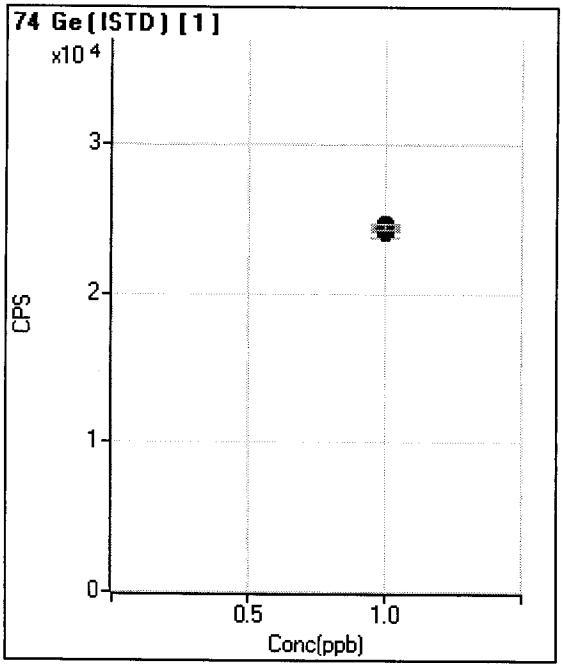
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		48997.53		P	0.7
2	☐	1.000		48677.81		P	1.1
3	☐	1.000		47861.94		P	3.0
4	☐	1.000		47572.07		P	0.0
5	☐	1.000		47860.11		P	0.4



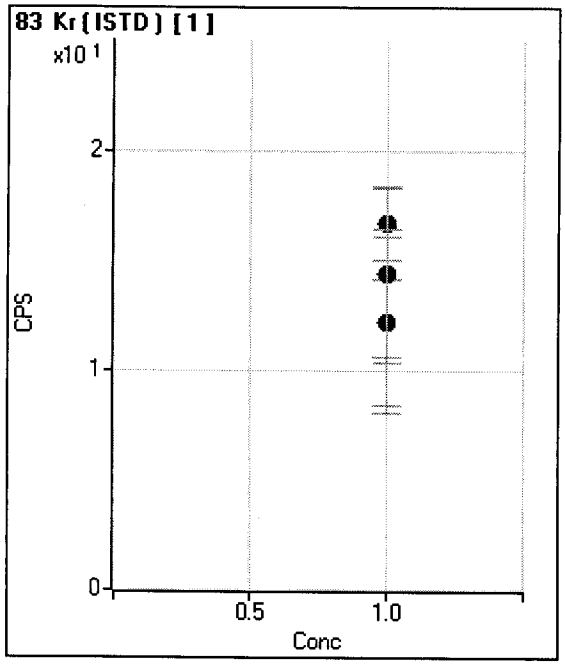
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4045.01		P	0.8
2	☐	1.000		3998.33		P	2.8
3	☐	1.000		3939.42		P	3.8
4	☐	1.000		3947.20		P	0.7
5	☐	1.000		4089.46		P	2.0



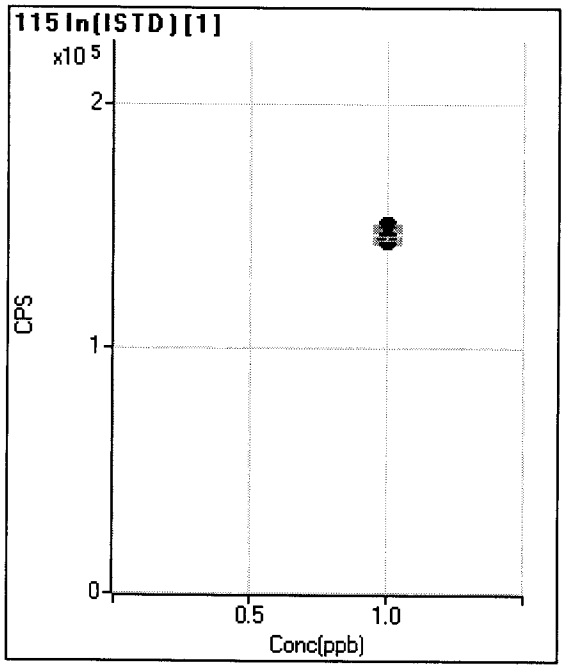
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		223564.79		P	1.4
2	☐	1.000		219876.58		P	1.5
3	☐	1.000		215943.83		P	3.0
4	☐	1.000		218573.93		P	0.4
5	☐	1.000		220839.79		P	0.4



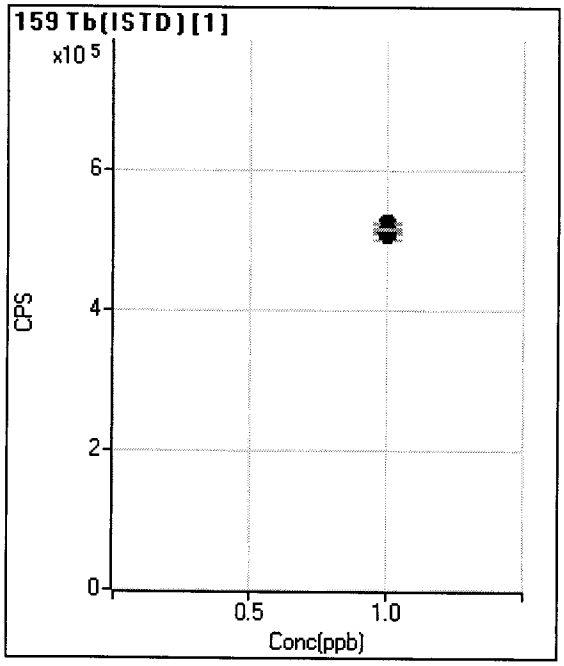
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		24592.26		P	0.6
2	☐	1.000		24546.63		P	0.4
3	☐	1.000		24169.44		P	3.4
4	☐	1.000		24213.90		P	1.0
5	☐	1.000		24388.62		P	1.5



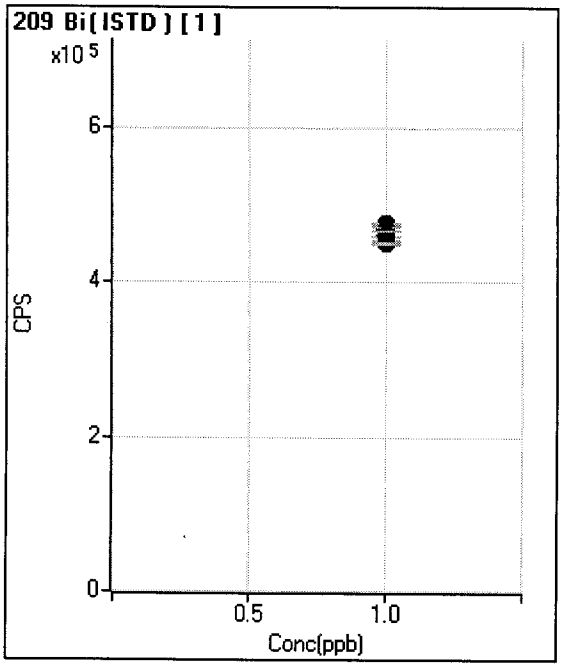
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		12.22		P	31.5
2	☐	1.000		16.67		P	20.0
3	☐	1.000		14.44		P	53.3
4	☐	1.000		12.22		P	63.0
5	☐	1.000		12.22		P	68.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		150315.67		P	0.5
2	☐	1.000		148225.66		P	1.2
3	☐	1.000		145448.00		P	3.5
4	☐	1.000		144132.74		P	0.7
5	☐	1.000		144954.69		P	0.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		523936.91		P	0.6
2	☐	1.000		516668.63		P	1.8
3	☐	1.000		507154.64		P	2.9
4	☐	1.000		511301.57		P	0.9
5	☐	1.000		514111.30		P	0.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		475056.21		P	0.6
2	☐	1.000		468222.03		P	1.5
3	☐	1.000		461672.55		P	1.9
4	☐	1.000		453209.53		P	0.5
5	☐	1.000		449941.79		P	0.5

Calibration Blank Report

Sample Name	**Cal Blank**
Data File Name	**142CALB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:01:44-04:00**
Type	**CalBlk**
VialNumber	**1101**
Dilution	**1**
Comment	
Operator	**LBD**

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Pb	208	209	1	158	17.97
Tl	205	209	1	36	21.64
Ba	137	159	1	6	34.70
Sb	121	115	1	17	34.64
Sn	118	115	1	27	33.06
Cd	111	115	1	3	100.05
Ag	107	115	1	9	21.63
Mo	95	115	1	13	49.99
Sr	88	115	1	26	86.84
Se	78	74	1	7	25.68
As	75	74	1	13	66.12
Zn	66	45	1	97	20.97
Cu	63	45	1	271	4.97
Ni	60	45	1	80	8.33
Co	59	45	1	19	50.96
Fe	56	45	1	1777	1.65
Mn	55	45	1	148	24.33
Cr	52	45	1	204	3.39
V	51	45	1	317	3.79
Ti	47	45	1	1	173.21
Ca	44	45	1	75	22.23
K	39	45	1	35027	0.47
Al	27	45	1	579	12.41
Mg	24	45	1	320	19.01
Na	23	45	1	37867	0.51
B	11	6	1	110	13.21
Be	9	6	1	1	173.21

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Bi	209	1	475056	0.60
Tb	159	1	523937	0.65
In	115	1	150316	0.54
Kr	83	1	12	31.50
Ge	74	1	24592	0.62
Sc	45	1	223565	1.44
Li	6	1	48998	0.70

Calibration Standard Report

Sample Name	**CAL1 2343254**
Data File Name	**143CALS.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:05:50-04:00**
Type	**CalStd**
VialNumber	**1102**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	29	39.28
B	11	6	1	1003	9.58
Na	23	45	1	77550	0.70
Mg	24	45	1	19612	2.97
Al	27	45	1	2610	0.65
K	39	45	1	47999	0.70
Ca	44	45	1	848	6.79
Ti	47	45	1	58	6.65
V	51	45	1	2084	3.53
Cr	52	45	1	2341	6.42
Mn	55	45	1	2580	4.92
Fe	56	45	1	54750	0.66
Co	59	45	1	2890	5.04
Ni	60	45	1	878	3.16
Cu	63	45	1	2501	2.92
Zn	66	45	1	1471	5.96
As	75	74	1	93	8.49
Se	78	74	1	17	17.17
Sr	88	115	1	1136	3.43
Mo	95	115	1	760	3.75
Ag	107	115	1	2567	2.16
Cd	111	115	1	150	15.55
Sn	118	115	1	3226	1.24
Sb	121	115	1	463	15.23
Ba	137	159	1	404	2.52
Tl	205	209	1	1672	2.07
(Pb)	206	209	1	880	2.65
(Pb)	207	209	1	747	2.93
Pb	208	209	1	3607	1.94

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li	6	1	48678	1.10	48998	99.3	60	120	
Sc	45	1	219877	1.46	223565	98.4	60	120	
Ge	74	1	24547	0.43	24592	99.8	60	120	
Kr	83	1	17	20.01	12	136.4	-1000	1000	
In	115	1	148226	1.22	150316	98.6	60	120	
Tb	159	1	516669	1.85	523937	98.6	60	120	
Bi	209	1	468222	1.48	475056	98.6	60	120	

TuneStep	TuneFile
1	helium.u

Calibration Standard Report

Sample Name	**CAL2 2343175**
Data File Name	**144CALS.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:09:56-04:00**
Type	**CalStd**
VialNumber	**1103**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	1498	2.11
B	11	6	1	1083	5.87
Na	23	45	1	807405	1.09
Mg	24	45	1	390993	0.40
Al	27	45	1	16999	0.18
K	39	45	1	283581	0.45
Ca	44	45	1	10962	0.19
Ti	47	45	1	620	10.21
V	51	45	1	17252	1.95
Cr	52	45	1	20781	0.85
Mn	55	45	1	122529	0.44
Fe	56	45	1	1724417	0.33
Co	59	45	1	29048	0.65
Ni	60	45	1	7967	1.50
Cu	63	45	1	20652	2.18
Zn	66	45	1	3360	1.50
As	75	74	1	1603	3.45
Se	78	74	1	152	3.46
Sr	88	115	1	11258	2.54
Mo	95	115	1	8009	1.40
Ag	107	115	1	25938	1.37
Cd	111	115	1	3802	4.56
Sn	118	115	1	8512	2.38
Sb	121	115	1	9902	2.72
Ba	137	159	1	3679	2.82
Tl	205	209	1	16914	1.81
(Pb)	206	209	1	27715	1.16
(Pb)	207	209	1	25335	1.06
Pb	208	209	1	113739	0.44

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li	6	1	47862	3.05	48998	97.7	60	120	
Sc	45	1	215944	3.03	223565	96.6	60	120	
Ge	74	1	24169	3.36	24592	98.3	60	120	
Kr	83	1	14	53.28	12	118.2	-1000	1000	
In	115	1	145448	3.48	150316	96.8	60	120	
Tb	159	1	507155	2.93	523937	96.8	60	120	
Bi	209	1	461673	1.94	475056	97.2	60	120	

TuneStep	TuneFile
1	helium.u

Calibration Standard Report

Sample Name	**CAL3 2343227**
Data File Name	**145CALS.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:14:01-04:00**
Type	**CalStd**
VialNumber	**1104**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	7491	2.16
B	11	6	1	4892	2.86
Na	23	45	1	3667019	0.30
Mg	24	45	1	1908467	0.34
Al	27	45	1	80815	0.70
K	39	45	1	1248621	1.29
Ca	44	45	1	53735	0.41
Ti	47	45	1	3130	3.46
V	51	45	1	83852	0.50
Cr	52	45	1	100892	0.10
Mn	55	45	1	597571	0.17
Fe	56	45	1	8170339	0.37
Co	59	45	1	142953	0.51
Ni	60	45	1	37602	0.37
Cu	63	45	1	98620	0.26
Zn	66	45	1	14568	0.71
As	75	74	1	8072	2.42
Se	78	74	1	715	2.27
Sr	88	115	1	54321	0.62
Mo	95	115	1	38937	1.19
Ag	107	115	1	125391	0.60
Cd	111	115	1	18630	1.34
Sn	118	115	1	40333	0.75
Sb	121	115	1	47621	0.81
Ba	137	159	1	18474	0.65
Tl	205	209	1	83081	0.51
(Pb)	206	209	1	134295	0.30
(Pb)	207	209	1	121958	0.88
Pb	208	209	1	553015	0.41

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li	6	1	47572	0.04	48998	97.1	60	120	
Sc	45	1	218574	0.39	223565	97.8	60	120	
Ge	74	1	24214	1.03	24592	98.5	60	120	
Kr	83	1	12	63.01	12	100.0	-1000	1000	
In	115	1	144133	0.75	150316	95.9	60	120	
Tb	159	1	511302	0.92	523937	97.6	60	120	
Bi	209	1	453210	0.54	475056	95.4	60	120	

TuneStep	TuneFile
1	helium.u

Calibration Standard Report

Sample Name	**CAL4 2343252**
Data File Name	**146CALS.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:18:03-04:00**
Type	**CalStd**
VialNumber	**1105**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	14683	0.62
B	11	6	1	9539	1.74
Na	23	45	1	7222563	0.74
Mg	24	45	1	3740890	0.71
Al	27	45	1	160913	0.74
K	39	45	1	2468536	0.92
Ca	44	45	1	107007	0.57
Ti	47	45	1	6238	3.39
V	51	45	1	169214	0.63
Cr	52	45	1	203176	0.56
Mn	55	45	1	1212338	1.15
Fe	56	45	1	16332141	0.53
Co	59	45	1	285123	0.48
Ni	60	45	1	74405	0.39
Cu	63	45	1	193171	0.38
Zn	66	45	1	27587	0.57
As	75	74	1	16236	0.81
Se	78	74	1	1407	2.35
Sr	88	115	1	108480	1.13
Mo	95	115	1	79133	1.01
Ag	107	115	1	249957	0.44
Cd	111	115	1	37155	1.14
Sn	118	115	1	82711	0.14
Sb	121	115	1	98260	0.89
Ba	137	159	1	36753	1.44
Tl	205	209	1	165021	0.38
(Pb)	206	209	1	265312	0.86
(Pb)	207	209	1	240449	0.97
Pb	208	209	1	1085261	1.03

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li	6	1	47860	0.37	48998	97.7	60	120	
Sc	45	1	220840	0.43	223565	98.8	60	120	
Ge	74	1	24389	1.50	24592	99.2	60	120	
Kr	83	1	12	68.66	12	100.0	-1000	1000	
In	115	1	144955	0.67	150316	96.4	60	120	
Tb	159	1	514111	0.49	523937	98.1	60	120	
Bi	209	1	449942	0.45	475056	94.7	60	120	

TuneStep	TuneFile
1	helium.u

Initial Calibration Verification (ICV) - US EPA Method 6020

Sample Name	**ICV 2260516**
Data File Name	**147_ICV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:22:05-04:00**
Type	**6-ICV**
VialNumber	**1201**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	Units	ExpectedValue	%Recovery	%QC Low	%QC High	QC Flag
Pb	208	209	1	39.65	ug/l	40	99.1	90	110	
Tl	205	209	1	7.86	ug/l	8	98.3	90	110	
Ba	137	159	1	38.15	ug/l	40	95.4	90	110	
Sb	121	115	1	40.14	ug/l	40	100.4	90	110	
Sn	118	115	1	40.72	ug/l	40	101.8	90	110	
Cd	111	115	1	38.71	ug/l	40	96.8	90	110	
Ag	107	115	1	39.99	ug/l	40	100.0	90	110	
Mo	95	115	1	38.68	ug/l	40	96.7	90	110	
Sr	88	115	1	39.20	ug/l	40	98.0	90	110	
Se	78	74	1	40.92	ug/l	40	102.3	90	110	
As	75	74	1	39.91	ug/l	40	99.8	90	110	
Zn	66	45	1	40.33	ug/l	40	100.8	90	110	
Cu	63	45	1	40.48	ug/l	40	101.2	90	110	
Ni	60	45	1	39.96	ug/l	40	99.9	90	110	
Co	59	45	1	39.62	ug/l	40	99.0	90	110	
Fe	56	45	1	3993.17	ug/l	4000	99.8	90	110	
Mn	55	45	1	393.49	ug/l	400	98.4	90	110	
Cr	52	45	1	40.55	ug/l	40	101.4	90	110	
V	51	45	1	39.81	ug/l	40	99.5	90	110	
Ti	47	45	1	41.28	ug/l	40	103.2	90	110	
Ca	44	45	1	4005.49	ug/l	4000	100.1	90	110	
K	39	45	1	4016.92	ug/l	4000	100.4	90	110	
Al	27	45	1	400.65	ug/l	400	100.2	90	110	
Mg	24	45	1	4029.17	ug/l	4000	100.7	90	110	
Na	23	45	1	4001.42	ug/l	4000	100.0	90	110	
B	11	6	1	84.47	ug/l	80	105.6	90	110	
Be	9	6	1	39.24	ug/l	40	98.1	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	465388	0.35	475056	98.0	60	120	
Tb	159	1	521969	0.93	523937	99.6	60	120	
In	115	1	148062	0.39	150316	98.5	60	120	
Kr	83	1	10	0.00	12	81.8	-1000	1000	
Ge	74	1	24704	0.73	24592	100.5	60	120	
Sc	45	1	223858	0.31	223565	100.1	60	120	
Li	6	1	48887	1.65	48998	99.8	60	120	

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**ICB**
Data File Name	**1486CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:26:08-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	144.27	ug/l	1.67	99.90	0.2	
B	11	6	1	1.46	34.23	ug/l	176.67	11.78	20	
Na	23	45	1	-3.38	-54.40	ug/l	34772.22	1.20	50	
Mg	24	45	1	0.59	19.81	ug/l	558.92	6.21	50	
Al	27	45	1	-1.44	-10.13	ug/l	621.14	6.45	10	
K	39	45	1	1.57	375.19	ug/l	35834.07	1.77	50	
Ca	44	45	1	-1.88	-73.18	ug/l	83.33	16.37	50	
Ti	47	45	1	0.02	312.52	ug/l	2.22	173.21	1	
V	51	45	1	0.03	76.83	ug/l	368.90	9.05	1	
Cr	52	45	1	0.01	96.67	ug/l	221.12	7.12	1	
Mn	55	45	1	0.15	25.56	ug/l	322.24	11.06	2	
Fe	56	45	1	0.80	10.65	ug/l	3260.39	2.10	30	
Co	59	45	1	0.02	29.06	ug/l	82.22	24.77	1	
Ni	60	45	1	-0.01	-147.24	ug/l	70.00	21.82	1	
Cu	63	45	1	-0.01	-107.58	ug/l	293.35	6.82	1	
Zn	66	45	1	-1.38	-4.63	ug/l	95.56	19.21	4	
As	75	74	1	0.03	107.01	ug/l	18.33	32.78	0.5	
Se	78	74	1	-0.19	-27.80	ug/l	5.28	12.08	0.5	
Sr	88	115	1	0.00	-1008.06	ug/l	24.44	41.66	1	
Mo	95	115	1	0.05	48.32	ug/l	52.22	37.40	1	
Ag	107	115	1	0.01	44.90	ug/l	28.89	29.04	1	
Cd	111	115	1	0.01	157.68	ug/l	6.67	99.98	0.5	
Sn	118	115	1	0.09	21.46	ug/l	84.45	16.43	4	
Sb	121	115	1	0.06	35.24	ug/l	71.12	29.77	0.5	
Ba	137	159	1	0.00	-576.37	ug/l	7.78	99.04	1	
Tl	205	209	1	0.04	25.86	ug/l	377.80	22.96	0.2	
Pb	208	209	1	0.01	21.27	ug/l	287.79	9.00	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	48749	2.17	48998	99.5	60	120	
Sc	45	1	218665	2.84	223565	97.8	60	120	
Ge	74	1	24735	2.91	24592	100.6	60	120	
Kr	83	1	12	31.50	12	100.0	-1000	1000	
In	115	1	147982	2.37	150316	98.4	60	120	
Tb	159	1	514885	3.32	523937	98.3	60	120	
Bi	209	1	467524	2.12	475056	98.4	60	120	

TuneStep	TuneFile
1	helium.u

Quality Control Sample (QCS) - US EPA Method 200.8

Sample Name	**CRI 2343254**
Data File Name	**149QCSR.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:30:14-04:00**
Type	**2-QCS**
VialNumber	**1102**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	Units	ExpectedValue	%Recovery	%QC Low	%QC High	QC Flag
Pb	208	209	1	0.31	ug/l	0.3	103.0	50	150	
Tl	205	209	1	0.21	ug/l	0.2	105.5	50	150	
Ba	137	159	1	0.99	ug/l	1	99.0	50	150	
Sb	121	115	1	0.53	ug/l	0.5	105.7	50	150	
Sn	118	115	1	3.78	ug/l	4	94.6	50	150	
Cd	111	115	1	0.51	ug/l	0.5	101.4	50	150	
Ag	107	115	1	0.99	ug/l	1	98.5	50	150	
Mo	95	115	1	0.93	ug/l	1	93.2	50	150	
Sr	88	115	1	1.02	ug/l	1	102.4	50	150	
Se	78	74	1	0.25	ug/l	0.5	50.9	50	150	
As	75	74	1	0.56	ug/l	0.5	111.3	50	150	
Zn	66	45	1	3.44	ug/l	4	86.0	50	150	
Cu	63	45	1	1.09	ug/l	1	109.1	50	150	
Ni	60	45	1	1.00	ug/l	1	100.4	50	150	
Co	59	45	1	1.03	ug/l	1	102.6	50	150	
Fe	56	45	1	31.81	ug/l	30	106.0	50	150	
Mn	55	45	1	2.12	ug/l	2	105.9	50	150	
Cr	52	45	1	1.00	ug/l	1	100.5	50	150	
V	51	45	1	0.96	ug/l	1	96.2	50	150	
Ti	47	45	1	1.04	ug/l	1	104.2	50	150	
Ca	44	45	1	70.36	ug/l	50	140.7	50	150	
K	39	45	1	48.42	ug/l	50	96.8	50	150	
Al	27	45	1	10.59	ug/l	10	105.9	50	150	
Mg	24	45	1	50.72	ug/l	50	101.4	50	150	
Na	23	45	1	48.45	ug/l	50	96.9	50	150	
B	11	6	1	20.69	ug/l	20	103.5	50	150	
Be	9	6	1	0.18	ug/l	0.2	89.3	50	150	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limiy	Upper Limit	QC Flag
Bi	209	1	465941	0.53	475056	98.1	60	120	
Tb	159	1	517505	0.72	523937	98.8	60	120	
In	115	1	149099	0.27	150316	99.2	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
Ge	74	1	24556	0.26	24592	99.9	60	120	
Sc	45	1	222737	0.89	223565	99.6	60	120	
Li	6	1	48329	0.33	48998	98.6	60	120	

Sample Report

Sample Name	**ICSA 2349980**
Data File Name	**150SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:34:21-04:00**
Type	**Sample**
VialNumber	**1202**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.28	0.28	ug/l	3600	
Tl	205	209	1	0.02	0.02	ug/l	720	
Ba	137	159	1	0.15	0.15	ug/l	3600	
Sb	121	115	1	0.09	0.09	ug/l	3600	
Sn	118	115	1	0.16	0.16	ug/l	3600	
Cd	111	115	1	0.59	0.59	ug/l	3600	
Ag	107	115	1	0.05	0.05	ug/l	180	
Mo	95	115	1	1025.61	1025.61	ug/l	1800	
Sr	88	115	1	1.03	1.03	ug/l	900	
Se	78	74	1	0.02	0.02	ug/l	3600	
As	75	74	1	0.17	0.17	ug/l	3600	
Zn	66	45	1	1.89	1.89	ug/l	900	
Cu	63	45	1	0.65	0.65	ug/l	900	
Ni	60	45	1	0.75	0.75	ug/l	900	
Co	59	45	1	0.03	0.03	ug/l	1800	
Fe	56	45	1	119224.66	119224.66	ug/l	360000	
Mn	55	45	1	0.34	0.34	ug/l	18000	
Cr	52	45	1	1.22	1.22	ug/l	3600	
V	51	45	1	0.05	0.05	ug/l	3600	
Ti	47	45	1	1027.70	1027.70	ug/l	3600	
Ca	44	45	1	146229.53	146229.53	ug/l	360000	
K	39	45	1	47338.30	47338.30	ug/l	360000	
Al	27	45	1	46362.35	46362.35	ug/l	36000	fail
Mg	24	45	1	47730.70	47730.70	ug/l	90000	
Na	23	45	1	121159.38	121159.38	ug/l	90000	fail
B	11	6	1	1.04	1.04	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	408641	0.93	475056	86.0	60	120	
Tb	159	1	494183	1.38	523937	94.3	60	120	
In	115	1	134294	0.53	150316	89.3	60	120	
Kr	83	1	11	91.66	12	90.9	-1000	1000	
Ge	74	1	22379	1.86	24592	91.0	60	120	
Sc	45	1	205650	0.85	223565	92.0	60	120	
Li	6	1	44235	0.25	48998	90.3	60	120	

Sample Report

Sample Name	**ICSAB 2349982**
Data File Name	**151SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:38:20-04:00**
Type	**Sample**
VialNumber	**1203**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.30	0.30	ug/l	3600	
Tl	205	209	1	0.01	0.01	ug/l	720	
Ba	137	159	1	0.28	0.28	ug/l	3600	
Sb	121	115	1	0.09	0.09	ug/l	3600	
Sn	118	115	1	0.10	0.10	ug/l	3600	
Cd	111	115	1	97.34	97.34	ug/l	3600	
Ag	107	115	1	189.81	189.81	ug/l	180	fail
Mo	95	115	1	1007.35	1007.35	ug/l	1800	
Sr	88	115	1	0.96	0.96	ug/l	900	
Se	78	74	1	97.91	97.91	ug/l	3600	
As	75	74	1	103.18	103.18	ug/l	3600	
Zn	66	45	1	96.32	96.32	ug/l	900	
Cu	63	45	1	187.46	187.46	ug/l	900	
Ni	60	45	1	189.46	189.46	ug/l	900	
Co	59	45	1	195.05	195.05	ug/l	1800	
Fe	56	45	1	119095.81	119095.81	ug/l	360000	
Mn	55	45	1	194.33	194.33	ug/l	18000	
Cr	52	45	1	199.89	199.89	ug/l	3600	
V	51	45	1	201.73	201.73	ug/l	3600	
Ti	47	45	1	1009.30	1009.30	ug/l	3600	
Ca	44	45	1	144477.62	144477.62	ug/l	360000	
K	39	45	1	46787.62	46787.62	ug/l	360000	
Al	27	45	1	46141.72	46141.72	ug/l	36000	fail
Mg	24	45	1	47609.07	47609.07	ug/l	90000	
Na	23	45	1	120719.86	120719.86	ug/l	90000	fail
B	11	6	1	0.39	0.39	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	409292	0.94	475056	86.2	60	120	
Tb	159	1	492707	0.48	523937	94.0	60	120	
In	115	1	133429	0.57	150316	88.8	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
Ge	74	1	22452	1.02	24592	91.3	60	120	
Sc	45	1	201569	0.49	223565	90.2	60	120	
Li	6	1	44036	0.73	48998	89.9	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**152SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:42:20-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.03	0.03	ug/l	3600	
Tl	205	209	1	0.02	0.02	ug/l	720	
Ba	137	159	1	0.06	0.06	ug/l	3600	
Sb	121	115	1	0.05	0.05	ug/l	3600	
Sn	118	115	1	0.08	0.08	ug/l	3600	
Cd	111	115	1	0.02	0.02	ug/l	3600	
Ag	107	115	1	0.03	0.03	ug/l	180	
Mo	95	115	1	0.59	0.59	ug/l	1800	
Sr	88	115	1	0.17	0.17	ug/l	900	
Se	78	74	1	0.05	0.05	ug/l	3600	
As	75	74	1	0.03	0.03	ug/l	3600	
Zn	66	45	1	-1.22	-1.22	ug/l	900	
Cu	63	45	1	0.10	0.10	ug/l	900	
Ni	60	45	1	0.03	0.03	ug/l	900	
Co	59	45	1	0.07	0.07	ug/l	1800	
Fe	56	45	1	27.21	27.21	ug/l	360000	
Mn	55	45	1	1.57	1.57	ug/l	18000	
Cr	52	45	1	0.07	0.07	ug/l	3600	
V	51	45	1	0.07	0.07	ug/l	3600	
Ti	47	45	1	0.27	0.27	ug/l	3600	
Ca	44	45	1	44.70	44.70	ug/l	360000	
K	39	45	1	1.78	1.78	ug/l	360000	
Al	27	45	1	11.22	11.22	ug/l	36000	
Mg	24	45	1	18.77	18.77	ug/l	90000	
Na	23	45	1	72.79	72.79	ug/l	90000	
B	11	6	1	0.10	0.10	ug/l	7200	
Be	9	6	1	0.03	0.03	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	488433	0.58	475056	102.8	60	120	
Tb	159	1	532079	0.39	523937	101.6	60	120	
In	115	1	150605	0.37	150316	100.2	60	120	
Kr	83	1	9	57.30	12	72.7	-1000	1000	
Ge	74	1	24861	0.62	24592	101.1	60	120	
Sc	45	1	216446	0.87	223565	96.8	60	120	
Li	6	1	50047	1.12	48998	102.1	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**153SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:46:28-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.03	0.03	ug/l	3600	
Tl	205	209	1	0.01	0.01	ug/l	720	
Ba	137	159	1	0.09	0.09	ug/l	3600	
Sb	121	115	1	0.03	0.03	ug/l	3600	
Sn	118	115	1	0.04	0.04	ug/l	3600	
Cd	111	115	1	0.02	0.02	ug/l	3600	
Ag	107	115	1	0.03	0.03	ug/l	180	
Mo	95	115	1	0.29	0.29	ug/l	1800	
Sr	88	115	1	0.18	0.18	ug/l	900	
Se	78	74	1	-0.05	-0.05	ug/l	3600	
As	75	74	1	0.05	0.05	ug/l	3600	
Zn	66	45	1	-1.23	-1.23	ug/l	900	
Cu	63	45	1	0.08	0.08	ug/l	900	
Ni	60	45	1	0.01	0.01	ug/l	900	
Co	59	45	1	0.06	0.06	ug/l	1800	
Fe	56	45	1	24.11	24.11	ug/l	360000	
Mn	55	45	1	1.53	1.53	ug/l	18000	
Cr	52	45	1	0.06	0.06	ug/l	3600	
V	51	45	1	0.05	0.05	ug/l	3600	
Ti	47	45	1	0.29	0.29	ug/l	3600	
Ca	44	45	1	46.14	46.14	ug/l	360000	
K	39	45	1	1.67	1.67	ug/l	360000	
Al	27	45	1	10.35	10.35	ug/l	36000	
Mg	24	45	1	18.52	18.52	ug/l	90000	
Na	23	45	1	61.20	61.20	ug/l	90000	
B	11	6	1	0.28	0.28	ug/l	7200	
Be	9	6	1	0.02	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	487831	0.49	475056	102.7	60	120	
Tb	159	1	540051	0.94	523937	103.1	60	120	
In	115	1	152345	0.56	150316	101.3	60	120	
Kr	83	1	9	108.30	12	72.7	-1000	1000	
Ge	74	1	25074	1.01	24592	102.0	60	120	
Sc	45	1	219372	1.00	223565	98.1	60	120	
Li	6	1	51384	0.72	48998	104.9	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**1546CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:50:34-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.32	0.34	ug/l	7470.69	0.96	50	96.6	90	110	
B	11	6	1	95.81	5.64	ug/l	4844.21	5.44	100	95.8	90	110	
Na	23	45	1	5141.57	1.61	ug/l	3705879.15	0.71	5000	102.8	90	110	
Mg	24	45	1	5153.85	0.91	ug/l	1907152.33	0.15	5000	103.1	90	110	
Al	27	45	1	487.74	1.25	ug/l	78010.83	1.04	500	97.5	90	110	
K	39	45	1	4996.79	0.75	ug/l	1226964.34	0.72	5000	99.9	90	110	
Ca	44	45	1	4999.96	1.34	ug/l	52372.07	1.12	5000	100.0	90	110	
Ti	47	45	1	50.85	7.60	ug/l	3109.30	7.04	50	101.7	90	110	
V	51	45	1	50.12	0.88	ug/l	82944.91	1.22	50	100.2	90	110	
Cr	52	45	1	50.12	1.06	ug/l	99726.73	1.09	50	100.2	90	110	
Mn	55	45	1	498.36	0.07	ug/l	587723.09	1.02	500	99.7	90	110	
Fe	56	45	1	5012.65	0.99	ug/l	8054659.81	0.49	5000	100.3	90	110	
Co	59	45	1	50.61	1.28	ug/l	141758.09	0.47	50	101.2	90	110	
Ni	60	45	1	50.73	0.54	ug/l	37269.11	1.48	50	101.5	90	110	
Cu	63	45	1	50.76	0.40	ug/l	97215.94	0.60	50	101.5	90	110	
Zn	66	45	1	51.47	2.83	ug/l	14225.72	1.76	50	102.9	90	110	
As	75	74	1	50.29	1.60	ug/l	8129.46	2.35	50	100.6	90	110	
Se	78	74	1	49.89	3.36	ug/l	708.21	2.68	50	99.8	90	110	
Sr	88	115	1	49.49	0.83	ug/l	54331.24	0.09	50	99.0	90	110	
Mo	95	115	1	48.81	0.76	ug/l	38845.13	0.33	50	97.6	90	110	
Ag	107	115	1	49.96	0.19	ug/l	126507.81	0.92	50	99.9	90	110	
Cd	111	115	1	50.16	1.58	ug/l	18845.56	2.39	50	100.3	90	110	
Sn	118	115	1	50.66	1.46	ug/l	41425.01	2.16	50	101.3	90	110	
Sb	121	115	1	50.32	0.43	ug/l	49444.66	1.25	50	100.6	90	110	
Ba	137	159	1	47.54	1.83	ug/l	18635.44	1.93	50	95.1	90	110	
Tl	205	209	1	10.05	0.76	ug/l	86063.92	0.52	10	100.5	90	110	
Pb	208	209	1	49.91	0.10	ug/l	570790.77	1.28	50	99.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49930	0.63	48998	101.9	60	120	
Sc	45	1	215511	0.98	223565	96.4	60	120	
Ge	74	1	24267	0.92	24592	98.7	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
In	115	1	146129	0.92	150316	97.2	60	120	
Tb	159	1	524269	0.42	523937	100.1	60	120	
Bi	209	1	471304	1.27	475056	99.2	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**1556CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:54:36-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	148.16	ug/l	1.67	99.90	0.2	
B	11	6	1	0.05	437.49	ug/l	113.34	10.60	20	
Na	23	45	1	-0.16	-243.62	ug/l	36707.60	1.02	50	
Mg	24	45	1	0.79	14.04	ug/l	626.70	6.47	50	
Al	27	45	1	-1.51	-33.82	ug/l	602.80	13.16	10	
K	39	45	1	-6.40	-5.49	ug/l	33545.78	0.09	50	
Ca	44	45	1	-2.86	-85.65	ug/l	72.22	35.25	50	
Ti	47	45	1	-0.02	0.00	ug/l	0.00	#DIV/0!	1	
V	51	45	1	0.02	231.96	ug/l	336.68	19.33	1	
Cr	52	45	1	0.02	57.01	ug/l	230.01	7.67	1	
Mn	55	45	1	0.04	44.43	ug/l	192.23	11.15	2	
Fe	56	45	1	1.02	4.78	ug/l	3582.13	1.94	30	
Co	59	45	1	0.01	71.92	ug/l	60.00	49.38	1	
Ni	60	45	1	-0.04	-47.26	ug/l	52.22	24.17	1	
Cu	63	45	1	0.03	21.57	ug/l	370.02	4.13	1	
Zn	66	45	1	-1.33	-7.08	ug/l	108.89	22.98	4	
As	75	74	1	-0.02	-63.23	ug/l	8.89	28.65	0.5	
Se	78	74	1	-0.04	-167.09	ug/l	7.22	14.50	0.5	
Sr	88	115	1	0.00	-23465.50	ug/l	25.56	60.23	1	
Mo	95	115	1	0.12	10.96	ug/l	107.78	9.94	1	
Ag	107	115	1	0.00	71.22	ug/l	14.45	26.66	1	
Cd	111	115	1	0.01	0.37	ug/l	6.67	0.00	0.5	
Sn	118	115	1	0.08	4.74	ug/l	76.67	4.34	4	
Sb	121	115	1	0.07	38.64	ug/l	88.90	32.33	0.5	
Ba	137	159	1	-0.01	-75.77	ug/l	4.45	86.60	1	
Tl	205	209	1	0.01	7.93	ug/l	107.78	7.14	0.2	
Pb	208	209	1	0.01	33.21	ug/l	272.23	12.08	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50616	1.00	48998	103.3	60	120	
Sc	45	1	216188	0.27	223565	96.7	60	120	
Ge	74	1	24277	0.90	24592	98.7	60	120	
Kr	83	1	11	86.60	12	90.9	-1000	1000	
In	115	1	148862	0.24	150316	99.0	60	120	
Tb	159	1	524722	0.41	523937	100.1	60	120	
Bi	209	1	479007	0.27	475056	100.8	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**MB 460-173566/1-A@10**
Data File Name	**1566CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T01:58:42-04:00**
Type	**6-CCB**
VialNumber	**2101**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	0.00	ug/l	0.00	#DIV/0!	0.2	
B	11	6	1	0.53	1117.25	ug/l	132.23	16.21	20	
Na	23	45	1	5.09	589.20	ug/l	37947.10	1.05	50	
Mg	24	45	1	0.28	392.19	ug/l	408.91	4.71	50	
Al	27	45	1	1.00	222.92	ug/l	938.94	2.69	10	
K	39	45	1	5.10	1900.33	ug/l	34027.87	0.47	50	
Ca	44	45	1	1.23	2413.40	ug/l	107.23	22.06	50	
Ti	47	45	1	-0.02	0.00	ug/l	0.00	#DIV/0!	1	
V	51	45	1	0.19	27.39	ug/l	583.37	5.08	1	
Cr	52	45	1	0.05	199.00	ug/l	284.46	12.03	1	
Mn	55	45	1	-0.02	-583.08	ug/l	113.34	7.78	2	
Fe	56	45	1	0.66	142.07	ug/l	2807.52	1.71	30	
Co	59	45	1	0.01	160.83	ug/l	43.33	7.70	1	
Ni	60	45	1	-0.04	-332.87	ug/l	43.33	27.74	1	
Cu	63	45	1	0.08	384.01	ug/l	426.69	11.35	1	
Zn	66	45	1	-1.15	-85.94	ug/l	148.89	21.74	4	
As	75	74	1	0.03	469.64	ug/l	17.22	14.78	0.5	
Se	78	74	1	-0.16	-551.74	ug/l	5.28	18.16	0.5	
Sr	88	115	1	0.02	480.32	ug/l	48.89	28.39	1	
Mo	95	115	1	0.08	272.50	ug/l	74.45	24.66	1	
Ag	107	115	1	0.00	-710.12	ug/l	5.56	34.70	1	
Cd	111	115	1	0.00	-1872.43	ug/l	1.11	173.21	0.5	
Sn	118	115	1	0.08	342.41	ug/l	68.89	28.35	4	
Sb	121	115	1	0.02	461.43	ug/l	30.00	29.40	0.5	
Ba	137	159	1	0.01	2208.65	ug/l	12.22	56.76	1	
Tl	205	209	1	0.00	422.22	ug/l	50.00	26.67	0.2	
Pb	208	209	1	0.00	320.66	ug/l	203.34	1.64	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49147	4.83	48998	100.3	60	120	
Sc	45	1	203165	5.80	223565	90.9	60	120	
Ge	74	1	22953	6.47	24592	93.3	60	120	
Kr	83	1	12	78.69	12	100.0	-1000	1000	
In	115	1	140441	5.96	150316	93.4	60	120	
Tb	159	1	502244	6.14	523937	95.9	60	120	
Bi	209	1	457842	5.20	475056	96.4	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**LCS 460-173566/2-A@10**
Data File Name	**157SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:02:47-04:00**
Type	**Sample**
VialNumber	**2102**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	2.47	24.72	ug/l	3600	
Tl	205	209	1	1.90	18.97	ug/l	720	
Ba	137	159	1	4.65	46.49	ug/l	3600	
Sb	121	115	1	2.53	25.27	ug/l	3600	
Sn	118	115	1	5.09	50.88	ug/l	3600	
Cd	111	115	1	2.57	25.66	ug/l	3600	
Ag	107	115	1	2.51	25.10	ug/l	180	
Mo	95	115	1	4.81	48.14	ug/l	1800	
Sr	88	115	1	4.78	47.81	ug/l	900	
Se	78	74	1	4.64	46.45	ug/l	3600	
As	75	74	1	5.08	50.76	ug/l	3600	
Zn	66	45	1	24.43	244.28	ug/l	900	
Cu	63	45	1	5.12	51.18	ug/l	900	
Ni	60	45	1	5.11	51.12	ug/l	900	
Co	59	45	1	2.51	25.14	ug/l	1800	
Fe	56	45	1	259.00	2589.98	ug/l	360000	
Mn	55	45	1	24.94	249.39	ug/l	18000	
Cr	52	45	1	5.05	50.46	ug/l	3600	
V	51	45	1	4.99	49.86	ug/l	3600	
Ti	47	45	1	5.00	49.98	ug/l	3600	
Ca	44	45	1	240.43	2404.29	ug/l	360000	
K	39	45	1	243.27	2432.74	ug/l	360000	
Al	27	45	1	242.43	2424.25	ug/l	36000	
Mg	24	45	1	259.02	2590.25	ug/l	90000	
Na	23	45	1	261.25	2612.52	ug/l	90000	
B	11	6	1	48.88	488.75	ug/l	7200	
Be	9	6	1	2.37	23.66	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	479986	0.87	475056	101.0	60	120	
Tb	159	1	525010	1.16	523937	100.2	60	120	
In	115	1	147087	0.88	150316	97.9	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
Ge	74	1	23951	0.62	24592	97.4	60	120	
Sc	45	1	216256	1.05	223565	96.7	60	120	
Li	6	1	51275	0.74	48998	104.6	60	120	

Sample Report

Sample Name	**PDS 460-60126-A-1-G@10**
Data File Name	**158SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:06:52-04:00**
Type	**Sample**
VialNumber	**2103**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.77	57.66	ug/l	3600	
Tl	205	209	1	4.22	42.23	ug/l	720	
Ba	137	159	1	52.14	521.43	ug/l	3600	
Sb	121	115	1	5.33	53.32	ug/l	3600	
Sn	118	115	1	10.70	106.98	ug/l	3600	
Cd	111	115	1	5.54	55.39	ug/l	3600	
Ag	107	115	1	5.14	51.40	ug/l	180	
Mo	95	115	1	11.25	112.53	ug/l	1800	
Sr	88	115	1	195.65	1956.48	ug/l	900	
Se	78	74	1	10.54	105.41	ug/l	3600	
As	75	74	1	10.69	106.90	ug/l	3600	
Zn	66	45	1	53.43	534.25	ug/l	900	
Cu	63	45	1	10.85	108.45	ug/l	900	
Ni	60	45	1	10.85	108.49	ug/l	900	
Co	59	45	1	5.33	53.33	ug/l	1800	
Fe	56	45	1	558.47	5584.65	ug/l	360000	
Mn	55	45	1	53.78	537.84	ug/l	18000	
Cr	52	45	1	11.44	114.37	ug/l	3600	
V	51	45	1	11.42	114.16	ug/l	3600	
Ti	47	45	1	10.74	107.42	ug/l	3600	
Ca	44	45	1	19271.64	192716.38	ug/l	360000	
K	39	45	1	2201.09	22010.93	ug/l	360000	
Al	27	45	1	1134.17	11341.74	ug/l	36000	
Mg	24	45	1	566.81	5668.11	ug/l	90000	
Na	23	45	1	1254.94	12549.40	ug/l	90000	
B	11	6	1	109.44	1094.41	ug/l	7200	
Be	9	6	1	5.33	53.26	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	440483	6.27	475056	92.7	60	120	
Tb	159	1	487218	6.11	523937	93.0	60	120	
In	115	1	136278	6.75	150316	90.7	60	120	
Kr	83	1	20	28.87	12	163.6	-1000	1000	
Ge	74	1	22335	6.57	24592	90.8	60	120	
Sc	45	1	198949	6.31	223565	89.0	60	120	
Li	6	1	47389	6.39	48998	96.7	60	120	

Sample Report

Sample Name	**460-60126-A-1-I MS@10**
Data File Name	**159SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:10:56-04:00**
Type	**Sample**
VialNumber	**2104**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	2.92	29.16	ug/l	3600	
Tl	205	209	1	1.91	19.08	ug/l	720	
Ba	137	159	1	44.26	442.64	ug/l	3600	
Sb	121	115	1	2.44	24.42	ug/l	3600	
Sn	118	115	1	4.94	49.45	ug/l	3600	
Cd	111	115	1	2.30	23.02	ug/l	3600	
Ag	107	115	1	2.48	24.84	ug/l	180	
Mo	95	115	1	5.64	56.37	ug/l	1800	
Sr	88	115	1	179.92	1799.18	ug/l	900	
Se	78	74	1	4.72	47.24	ug/l	3600	
As	75	74	1	5.07	50.72	ug/l	3600	
Zn	66	45	1	23.58	235.79	ug/l	900	
Cu	63	45	1	5.04	50.42	ug/l	900	
Ni	60	45	1	5.01	50.09	ug/l	900	
Co	59	45	1	2.44	24.35	ug/l	1800	
Fe	56	45	1	259.03	2590.35	ug/l	360000	
Mn	55	45	1	24.65	246.52	ug/l	18000	
Cr	52	45	1	5.60	56.03	ug/l	3600	
V	51	45	1	5.52	55.18	ug/l	3600	
Ti	47	45	1	5.53	55.30	ug/l	3600	
Ca	44	45	1	18034.00	180340.01	ug/l	360000	
K	39	45	1	1814.98	18149.85	ug/l	360000	
Al	27	45	1	826.64	8266.42	ug/l	36000	
Mg	24	45	1	263.30	2633.02	ug/l	90000	
Na	23	45	1	917.99	9179.89	ug/l	90000	
B	11	6	1	57.53	575.29	ug/l	7200	
Be	9	6	1	2.35	23.53	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	468027	0.97	475056	98.5	60	120	
Tb	159	1	516614	0.45	523937	98.6	60	120	
In	115	1	144622	1.24	150316	96.2	60	120	
Kr	83	1	8	49.52	12	63.6	-1000	1000	
Ge	74	1	23575	1.03	24592	95.9	60	120	
Sc	45	1	211940	1.02	223565	94.8	60	120	
Li	6	1	50231	0.86	48998	102.5	60	120	

Sample Report

Sample Name	**460-60126-A-1-H DU@10**
Data File Name	**160SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:15:03-04:00**
Type	**Sample**
VialNumber	**2105**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.55	5.52	ug/l	3600	
Tl	205	209	1	0.02	0.24	ug/l	720	
Ba	137	159	1	42.08	420.77	ug/l	3600	
Sb	121	115	1	0.06	0.60	ug/l	3600	
Sn	118	115	1	0.07	0.74	ug/l	3600	
Cd	111	115	1	0.01	0.10	ug/l	3600	
Ag	107	115	1	0.00	-0.03	ug/l	180	
Mo	95	115	1	0.76	7.60	ug/l	1800	
Sr	88	115	1	188.94	1889.42	ug/l	900	
Se	78	74	1	0.17	1.70	ug/l	3600	
As	75	74	1	0.22	2.21	ug/l	3600	
Zn	66	45	1	-0.85	-8.49	ug/l	900	
Cu	63	45	1	0.27	2.67	ug/l	900	
Ni	60	45	1	0.09	0.88	ug/l	900	
Co	59	45	1	0.02	0.24	ug/l	1800	
Fe	56	45	1	6.35	63.54	ug/l	360000	
Mn	55	45	1	0.30	2.97	ug/l	18000	
Cr	52	45	1	0.73	7.26	ug/l	3600	
V	51	45	1	0.65	6.54	ug/l	3600	
Ti	47	45	1	0.40	4.00	ug/l	3600	
Ca	44	45	1	19048.90	190489.00	ug/l	360000	
K	39	45	1	1688.89	16888.90	ug/l	360000	
Al	27	45	1	621.15	6211.48	ug/l	36000	
Mg	24	45	1	8.62	86.18	ug/l	90000	
Na	23	45	1	708.96	7089.65	ug/l	90000	
B	11	6	1	8.28	82.85	ug/l	7200	
Be	9	6	1	0.00	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	437097	9.28	475056	92.0	60	120	
Tb	159	1	485073	10.50	523937	92.6	60	120	
In	115	1	135658	10.06	150316	90.2	60	120	
Kr	83	1	4	86.60	12	36.4	-1000	1000	
Ge	74	1	22242	9.84	24592	90.4	60	120	
Sc	45	1	199618	10.85	223565	89.3	60	120	
Li	6	1	47726	9.86	48998	97.4	60	120	

Sample Report

Sample Name	**460-60126-A-1-G@10**
Data File Name	**161SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:19:09-04:00**
Type	**Sample**
VialNumber	**2106**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.47	4.66	ug/l	3600	
Tl	205	209	1	0.01	0.11	ug/l	720	
Ba	137	159	1	38.75	387.48	ug/l	3600	
Sb	121	115	1	0.06	0.64	ug/l	3600	
Sn	118	115	1	0.04	0.41	ug/l	3600	
Cd	111	115	1	0.01	0.06	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.76	7.56	ug/l	1800	
Sr	88	115	1	172.46	1724.62	ug/l	900	
Se	78	74	1	0.01	0.10	ug/l	3600	
As	75	74	1	0.19	1.92	ug/l	3600	
Zn	66	45	1	-0.86	-8.60	ug/l	900	
Cu	63	45	1	0.24	2.37	ug/l	900	
Ni	60	45	1	0.10	0.97	ug/l	900	
Co	59	45	1	0.02	0.23	ug/l	1800	
Fe	56	45	1	5.23	52.34	ug/l	360000	
Mn	55	45	1	0.23	2.25	ug/l	18000	
Cr	52	45	1	0.61	6.12	ug/l	3600	
V	51	45	1	0.56	5.60	ug/l	3600	
Ti	47	45	1	0.32	3.16	ug/l	3600	
Ca	44	45	1	17462.22	174622.21	ug/l	360000	
K	39	45	1	1533.22	15332.15	ug/l	360000	
Al	27	45	1	572.61	5726.06	ug/l	36000	
Mg	24	45	1	7.89	78.87	ug/l	90000	
Na	23	45	1	640.21	6402.10	ug/l	90000	
B	11	6	1	6.91	69.14	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	469880	0.17	475056	98.9	60	120	
Tb	159	1	522662	0.26	523937	99.8	60	120	
In	115	1	145239	0.78	150316	96.6	60	120	
Kr	83	1	7	0.00	12	54.6	-1000	1000	
Ge	74	1	23722	1.06	24592	96.5	60	120	
Sc	45	1	212461	0.38	223565	95.0	60	120	
Li	6	1	50170	0.94	48998	102.4	60	120	

Sample Report

Sample Name	**SD 460-60126-A-1-G@50**
Data File Name	**162SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:23:15-04:00**
Type	**Sample**
VialNumber	**2107**
Dilution	**50**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.09	4.64	ug/l	3600	
Tl	205	209	1	0.00	0.25	ug/l	720	
Ba	137	159	1	8.09	404.62	ug/l	3600	
Sb	121	115	1	0.03	1.26	ug/l	3600	
Sn	118	115	1	0.03	1.27	ug/l	3600	
Cd	111	115	1	0.00	-0.17	ug/l	3600	
Ag	107	115	1	0.00	-0.13	ug/l	180	
Mo	95	115	1	0.16	7.93	ug/l	1800	
Sr	88	115	1	35.40	1770.15	ug/l	900	
Se	78	74	1	0.02	0.80	ug/l	3600	
As	75	74	1	0.07	3.62	ug/l	3600	
Zn	66	45	1	-1.03	-51.62	ug/l	900	
Cu	63	45	1	0.06	3.03	ug/l	900	
Ni	60	45	1	-0.02	-0.88	ug/l	900	
Co	59	45	1	0.01	0.34	ug/l	1800	
Fe	56	45	1	1.05	52.58	ug/l	360000	
Mn	55	45	1	0.00	0.17	ug/l	18000	
Cr	52	45	1	0.16	7.94	ug/l	3600	
V	51	45	1	0.16	8.21	ug/l	3600	
Ti	47	45	1	0.08	4.09	ug/l	3600	
Ca	44	45	1	3620.95	181047.30	ug/l	360000	
K	39	45	1	318.79	15939.54	ug/l	360000	
Al	27	45	1	116.51	5825.35	ug/l	36000	
Mg	24	45	1	1.86	92.92	ug/l	90000	
Na	23	45	1	129.40	6469.80	ug/l	90000	
B	11	6	1	1.21	60.46	ug/l	7200	
Be	9	6	1	0.00	0.20	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	463616	5.55	475056	97.6	60	120	
Tb	159	1	507066	6.24	523937	96.8	60	120	
In	115	1	143892	6.21	150316	95.7	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
Ge	74	1	23763	5.52	24592	96.6	60	120	
Sc	45	1	211367	6.17	223565	94.5	60	120	
Li	6	1	49152	6.34	48998	100.3	60	120	

Sample Report

Sample Name	**460-59758-A-1-D@10**
Data File Name	**163SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:27:21-04:00**
Type	**Sample**
VialNumber	**2108**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.33	3.31	ug/l	3600	
Tl	205	209	1	0.01	0.07	ug/l	720	
Ba	137	159	1	6.86	68.56	ug/l	3600	
Sb	121	115	1	0.04	0.39	ug/l	3600	
Sn	118	115	1	0.08	0.83	ug/l	3600	
Cd	111	115	1	0.00	0.00	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.23	2.30	ug/l	1800	
Sr	88	115	1	5.91	59.09	ug/l	900	
Se	78	74	1	-0.09	-0.88	ug/l	3600	
As	75	74	1	0.40	4.03	ug/l	3600	
Zn	66	45	1	0.67	6.73	ug/l	900	
Cu	63	45	1	0.68	6.82	ug/l	900	
Ni	60	45	1	0.40	4.00	ug/l	900	
Co	59	45	1	0.18	1.76	ug/l	1800	
Fe	56	45	1	491.25	4912.49	ug/l	360000	
Mn	55	45	1	5.99	59.90	ug/l	18000	
Cr	52	45	1	0.61	6.11	ug/l	3600	
V	51	45	1	1.41	14.11	ug/l	3600	
Ti	47	45	1	16.17	161.65	ug/l	3600	
Ca	44	45	1	1247.08	12470.85	ug/l	360000	
K	39	45	1	186.61	1866.10	ug/l	360000	
Al	27	45	1	470.77	4707.74	ug/l	36000	
Mg	24	45	1	352.94	3529.44	ug/l	90000	
Na	23	45	1	1565.88	15658.84	ug/l	90000	
B	11	6	1	19.87	198.68	ug/l	7200	
Be	9	6	1	0.02	0.18	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	469973	0.21	475056	98.9	60	120	
Tb	159	1	514776	0.16	523937	98.3	60	120	
In	115	1	143774	0.71	150316	95.6	60	120	
Kr	83	1	16	65.47	12	127.3	-1000	1000	
Ge	74	1	23536	0.53	24592	95.7	60	120	
Sc	45	1	208554	0.51	223565	93.3	60	120	
Li	6	1	49517	0.15	48998	101.1	60	120	

Sample Report

Sample Name	**460-59758-A-2-D@10**
Data File Name	**164SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:31:26-04:00**
Type	**Sample**
VialNumber	**2109**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.22	2.21	ug/l	3600	
Tl	205	209	1	0.00	0.05	ug/l	720	
Ba	137	159	1	2.21	22.11	ug/l	3600	
Sb	121	115	1	0.03	0.29	ug/l	3600	
Sn	118	115	1	0.08	0.78	ug/l	3600	
Cd	111	115	1	0.01	0.15	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.25	2.54	ug/l	1800	
Sr	88	115	1	3.30	33.02	ug/l	900	
Se	78	74	1	-0.10	-0.97	ug/l	3600	
As	75	74	1	0.12	1.17	ug/l	3600	
Zn	66	45	1	-0.66	-6.63	ug/l	900	
Cu	63	45	1	0.25	2.52	ug/l	900	
Ni	60	45	1	0.13	1.25	ug/l	900	
Co	59	45	1	0.07	0.67	ug/l	1800	
Fe	56	45	1	228.79	2287.88	ug/l	360000	
Mn	55	45	1	1.31	13.07	ug/l	18000	
Cr	52	45	1	0.70	7.01	ug/l	3600	
V	51	45	1	0.82	8.16	ug/l	3600	
Ti	47	45	1	9.58	95.79	ug/l	3600	
Ca	44	45	1	1077.65	10776.55	ug/l	360000	
K	39	45	1	77.86	778.63	ug/l	360000	
Al	27	45	1	237.37	2373.68	ug/l	36000	
Mg	24	45	1	293.16	2931.60	ug/l	90000	
Na	23	45	1	1143.53	11435.29	ug/l	90000	
B	11	6	1	2.76	27.63	ug/l	7200	
Be	9	6	1	0.00	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	467824	0.96	475056	98.5	60	120	
Tb	159	1	515432	0.56	523937	98.4	60	120	
In	115	1	142642	1.49	150316	94.9	60	120	
Kr	83	1	13	25.01	12	109.1	-1000	1000	
Ge	74	1	23385	0.96	24592	95.1	60	120	
Sc	45	1	209364	0.70	223565	93.6	60	120	
Li	6	1	49886	0.25	48998	101.8	60	120	

Sample Report

Sample Name	**460-59759-A-1-F@10**
Data File Name	**165SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:35:31-04:00**
Type	**Sample**
VialNumber	**2110**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	0.61	ug/l	3600	
Tl	205	209	1	0.00	0.03	ug/l	720	
Ba	137	159	1	0.74	7.39	ug/l	3600	
Sb	121	115	1	0.01	0.07	ug/l	3600	
Sn	118	115	1	0.05	0.54	ug/l	3600	
Cd	111	115	1	0.00	0.00	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.34	3.39	ug/l	1800	
Sr	88	115	1	1.19	11.91	ug/l	900	
Se	78	74	1	-0.09	-0.94	ug/l	3600	
As	75	74	1	0.13	1.34	ug/l	3600	
Zn	66	45	1	-0.93	-9.31	ug/l	900	
Cu	63	45	1	0.12	1.23	ug/l	900	
Ni	60	45	1	0.02	0.19	ug/l	900	
Co	59	45	1	0.03	0.33	ug/l	1800	
Fe	56	45	1	93.61	936.09	ug/l	360000	
Mn	55	45	1	0.45	4.52	ug/l	18000	
Cr	52	45	1	0.34	3.43	ug/l	3600	
V	51	45	1	0.35	3.52	ug/l	3600	
Ti	47	45	1	1.48	14.79	ug/l	3600	
Ca	44	45	1	816.57	8165.65	ug/l	360000	
K	39	45	1	47.28	472.80	ug/l	360000	
Al	27	45	1	64.86	648.62	ug/l	36000	
Mg	24	45	1	91.01	910.10	ug/l	90000	
Na	23	45	1	2912.85	29128.52	ug/l	90000	
B	11	6	1	7.46	74.58	ug/l	7200	
Be	9	6	1	0.00	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	473224	0.48	475056	99.6	60	120	
Tb	159	1	521576	0.90	523937	99.5	60	120	
In	115	1	146419	0.08	150316	97.4	60	120	
Kr	83	1	14	48.02	12	118.2	-1000	1000	
Ge	74	1	23856	1.13	24592	97.0	60	120	
Sc	45	1	212272	0.15	223565	94.9	60	120	
Li	6	1	50660	1.22	48998	103.4	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**1666CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:39:36-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.69	0.48	ug/l	7411.78	0.94	50	97.4	90	110	
B	11	6	1	101.19	2.65	ug/l	5032.04	3.21	100	101.2	90	110	
Na	23	45	1	5102.20	2.28	ug/l	3658794.53	0.74	5000	102.0	90	110	
Mg	24	45	1	5120.56	1.39	ug/l	1885168.10	0.65	5000	102.4	90	110	
Al	27	45	1	486.11	1.58	ug/l	77352.53	0.22	500	97.2	90	110	
K	39	45	1	4989.82	1.62	ug/l	1218996.71	0.66	5000	99.8	90	110	
Ca	44	45	1	5053.88	1.23	ug/l	52665.88	0.66	5000	101.1	90	110	
Ti	47	45	1	48.91	3.00	ug/l	2977.04	3.69	50	97.8	90	110	
V	51	45	1	49.92	2.56	ug/l	82188.62	1.21	50	99.8	90	110	
Cr	52	45	1	49.84	1.76	ug/l	98644.62	0.58	50	99.7	90	110	
Mn	55	45	1	493.43	1.94	ug/l	578867.56	0.50	500	98.7	90	110	
Fe	56	45	1	4949.85	1.78	ug/l	7912757.73	0.26	5000	99.0	90	110	
Co	59	45	1	49.75	2.07	ug/l	138617.04	0.97	50	99.5	90	110	
Ni	60	45	1	49.60	1.50	ug/l	36253.39	0.44	50	99.2	90	110	
Cu	63	45	1	50.09	1.57	ug/l	95443.61	1.07	50	100.2	90	110	
Zn	66	45	1	51.60	0.64	ug/l	14190.10	1.07	50	103.2	90	110	
As	75	74	1	49.10	1.37	ug/l	7808.73	0.55	50	98.2	90	110	
Se	78	74	1	48.27	1.06	ug/l	674.60	1.50	50	96.5	90	110	
Sr	88	115	1	49.44	0.61	ug/l	53078.24	0.85	50	98.9	90	110	
Mo	95	115	1	49.12	1.22	ug/l	38224.66	1.01	50	98.2	90	110	
Ag	107	115	1	50.42	0.98	ug/l	124855.23	0.56	50	100.8	90	110	
Cd	111	115	1	50.19	1.14	ug/l	18440.57	1.56	50	100.4	90	110	
Sn	118	115	1	50.83	1.27	ug/l	40646.22	1.03	50	101.7	90	110	
Sb	121	115	1	49.94	1.18	ug/l	47984.48	0.99	50	99.9	90	110	
Ba	137	159	1	47.36	0.93	ug/l	18167.05	0.33	50	94.7	90	110	
Tl	205	209	1	10.10	1.51	ug/l	84556.56	0.97	10	101.0	90	110	
Pb	208	209	1	50.18	0.63	ug/l	561390.03	0.31	50	100.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49157	0.64	48998	100.3	60	120	
Sc	45	1	214426	1.51	223565	95.9	60	120	
Ge	74	1	23878	0.98	24592	97.1	60	120	
Kr	83	1	17	34.65	12	136.3	-1000	1000	
In	115	1	142896	0.47	150316	95.1	60	120	
Tb	159	1	513046	0.69	523937	97.9	60	120	
Bi	209	1	461009	0.63	475056	97.0	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**1676CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:43:39-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	168.49	ug/l	1.11	86.60	0.2	
B	11	6	1	-0.05	-639.54	ug/l	105.56	14.24	20	
Na	23	45	1	-4.49	-29.76	ug/l	33458.39	1.44	50	
Mg	24	45	1	0.93	13.98	ug/l	674.48	6.43	50	
Al	27	45	1	-1.48	-15.92	ug/l	605.58	7.04	10	
K	39	45	1	0.12	3081.82	ug/l	34955.30	1.06	50	
Ca	44	45	1	-2.62	-56.84	ug/l	74.44	20.32	50	
Ti	47	45	1	0.00	1226.58	ug/l	1.11	173.21	1	
V	51	45	1	0.00	1073.50	ug/l	310.01	8.40	1	
Cr	52	45	1	0.02	57.25	ug/l	242.23	9.16	1	
Mn	55	45	1	0.10	10.75	ug/l	262.23	6.40	2	
Fe	56	45	1	0.94	3.37	ug/l	3444.32	1.40	30	
Co	59	45	1	0.01	16.98	ug/l	52.22	9.75	1	
Ni	60	45	1	-0.05	-26.97	ug/l	45.56	21.13	1	
Cu	63	45	1	-0.01	-210.17	ug/l	290.01	10.02	1	
Zn	66	45	1	-1.41	-4.76	ug/l	86.67	19.23	4	
As	75	74	1	0.01	463.74	ug/l	14.44	56.92	0.5	
Se	78	74	1	-0.17	-49.64	ug/l	5.42	20.31	0.5	
Sr	88	115	1	0.01	77.09	ug/l	37.78	25.47	1	
Mo	95	115	1	0.05	33.45	ug/l	47.78	24.50	1	
Ag	107	115	1	0.01	96.08	ug/l	24.44	61.49	1	
Cd	111	115	1	0.01	76.48	ug/l	6.67	50.03	0.5	
Sn	118	115	1	0.08	17.00	ug/l	72.23	13.33	4	
Sb	121	115	1	0.06	45.18	ug/l	75.56	35.66	0.5	
Ba	137	159	1	0.02	46.30	ug/l	17.78	21.66	1	
Tl	205	209	1	0.01	17.89	ug/l	112.23	16.36	0.2	
Pb	208	209	1	0.01	16.44	ug/l	266.68	6.50	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49568	2.05	48998	101.2	60	120	
Sc	45	1	215317	1.53	223565	96.3	60	120	
Ge	74	1	24053	1.14	24592	97.8	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
In	115	1	146189	1.34	150316	97.3	60	120	
Tb	159	1	515114	0.96	523937	98.3	60	120	
Bi	209	1	472174	0.74	475056	99.4	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**200-17642-A-2-F@10**
Data File Name	**168SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:47:45-04:00**
Type	**Sample**
VialNumber	**2111**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	2.04	20.37	ug/l	3600	
Tl	205	209	1	0.01	0.09	ug/l	720	
Ba	137	159	1	3.29	32.95	ug/l	3600	
Sb	121	115	1	0.13	1.31	ug/l	3600	
Sn	118	115	1	0.11	1.13	ug/l	3600	
Cd	111	115	1	0.01	0.12	ug/l	3600	
Ag	107	115	1	0.00	0.04	ug/l	180	
Mo	95	115	1	0.13	1.25	ug/l	1800	
Sr	88	115	1	4.97	49.69	ug/l	900	
Se	78	74	1	0.14	1.42	ug/l	3600	
As	75	74	1	0.86	8.56	ug/l	3600	
Zn	66	45	1	2.20	21.98	ug/l	900	
Cu	63	45	1	1.35	13.49	ug/l	900	
Ni	60	45	1	0.43	4.29	ug/l	900	
Co	59	45	1	0.11	1.08	ug/l	1800	
Fe	56	45	1	1227.65	12276.46	ug/l	360000	
Mn	55	45	1	2.64	26.44	ug/l	18000	
Cr	52	45	1	1.91	19.08	ug/l	3600	
V	51	45	1	2.64	26.44	ug/l	3600	
Ti	47	45	1	10.32	103.25	ug/l	3600	
Ca	44	45	1	1415.22	14152.16	ug/l	360000	
K	39	45	1	371.18	3711.81	ug/l	360000	
Al	27	45	1	477.96	4779.64	ug/l	36000	
Mg	24	45	1	217.70	2177.00	ug/l	90000	
Na	23	45	1	337.45	3374.47	ug/l	90000	
B	11	6	1	22.82	228.18	ug/l	7200	
Be	9	6	1	0.03	0.29	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	473066	0.39	475056	99.6	60	120	
Tb	159	1	519621	0.17	523937	99.2	60	120	
In	115	1	144945	0.92	150316	96.4	60	120	
Kr	83	1	9	57.30	12	72.7	-1000	1000	
Ge	74	1	23671	1.45	24592	96.3	60	120	
Sc	45	1	211405	0.79	223565	94.6	60	120	
Li	6	1	49825	0.99	48998	101.7	60	120	

Sample Report

Sample Name	**200-17642-A-3-F@10**
Data File Name	**169SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:51:51-04:00**
Type	**Sample**
VialNumber	**2112**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.37	3.69	ug/l	3600	
Tl	205	209	1	0.01	0.06	ug/l	720	
Ba	137	159	1	3.43	34.29	ug/l	3600	
Sb	121	115	1	0.10	0.97	ug/l	3600	
Sn	118	115	1	0.10	0.98	ug/l	3600	
Cd	111	115	1	0.00	-0.03	ug/l	3600	
Ag	107	115	1	0.00	0.04	ug/l	180	
Mo	95	115	1	0.29	2.91	ug/l	1800	
Sr	88	115	1	6.82	68.16	ug/l	900	
Se	78	74	1	0.08	0.82	ug/l	3600	
As	75	74	1	0.82	8.25	ug/l	3600	
Zn	66	45	1	-0.10	-1.03	ug/l	900	
Cu	63	45	1	1.09	10.94	ug/l	900	
Ni	60	45	1	1.00	10.03	ug/l	900	
Co	59	45	1	0.09	0.87	ug/l	1800	
Fe	56	45	1	373.14	3731.36	ug/l	360000	
Mn	55	45	1	1.24	12.38	ug/l	18000	
Cr	52	45	1	0.51	5.06	ug/l	3600	
V	51	45	1	1.47	14.68	ug/l	3600	
Ti	47	45	1	6.62	66.22	ug/l	3600	
Ca	44	45	1	5465.26	54652.59	ug/l	360000	
K	39	45	1	310.29	3102.85	ug/l	360000	
Al	27	45	1	177.34	1773.37	ug/l	36000	
Mg	24	45	1	424.44	4244.45	ug/l	90000	
Na	23	45	1	387.62	3876.22	ug/l	90000	
B	11	6	1	20.87	208.74	ug/l	7200	
Be	9	6	1	0.01	0.07	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	470477	1.15	475056	99.0	60	120	
Tb	159	1	517897	1.51	523937	98.8	60	120	
In	115	1	145144	1.97	150316	96.6	60	120	
Kr	83	1	19	61.96	12	154.5	-1000	1000	
Ge	74	1	23300	1.31	24592	94.7	60	120	
Sc	45	1	210555	1.38	223565	94.2	60	120	
Li	6	1	49645	0.37	48998	101.3	60	120	

Sample Report

Sample Name	**LB 460-173265/1-D@10**
Data File Name	**170SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T02:55:56-04:00**
Type	**Sample**
VialNumber	**2201**
Dilution	**10**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.17	ug/l	3600	
Tl	205	209	1	0.00	0.03	ug/l	720	
Ba	137	159	1	0.01	0.10	ug/l	3600	
Sb	121	115	1	0.00	0.02	ug/l	3600	
Sn	118	115	1	0.07	0.73	ug/l	3600	
Cd	111	115	1	0.00	-0.01	ug/l	3600	
Ag	107	115	1	0.00	-0.03	ug/l	180	
Mo	95	115	1	0.01	0.08	ug/l	1800	
Sr	88	115	1	0.02	0.17	ug/l	900	
Se	78	74	1	-0.07	-0.70	ug/l	3600	
As	75	74	1	0.07	0.72	ug/l	3600	
Zn	66	45	1	-0.90	-8.98	ug/l	900	
Cu	63	45	1	0.10	1.01	ug/l	900	
Ni	60	45	1	0.02	0.18	ug/l	900	
Co	59	45	1	0.01	0.08	ug/l	1800	
Fe	56	45	1	0.69	6.95	ug/l	360000	
Mn	55	45	1	-0.03	-0.31	ug/l	18000	
Cr	52	45	1	0.09	0.93	ug/l	3600	
V	51	45	1	0.23	2.30	ug/l	3600	
Ti	47	45	1	0.06	0.58	ug/l	3600	
Ca	44	45	1	4.15	41.53	ug/l	360000	
K	39	45	1	2.19	21.86	ug/l	360000	
Al	27	45	1	1.29	12.90	ug/l	36000	
Mg	24	45	1	2.10	21.02	ug/l	90000	
Na	23	45	1	1.40	13.95	ug/l	90000	
B	11	6	1	0.55	5.55	ug/l	7200	
Be	9	6	1	0.00	-0.03	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	474357	1.00	475056	99.9	60	120	
Tb	159	1	522205	0.84	523937	99.7	60	120	
In	115	1	147560	0.20	150316	98.2	60	120	
Kr	83	1	10	57.72	12	81.8	-1000	1000	
Ge	74	1	23711	0.91	24592	96.4	60	120	
Sc	45	1	213456	0.59	223565	95.5	60	120	
Li	6	1	50408	1.26	48998	102.9	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**1716CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:00:03-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.63	2.10	ug/l	7464.02	1.23	50	97.3	90	110	
B	11	6	1	95.85	1.22	ug/l	4811.97	1.96	100	95.8	90	110	
Na	23	45	1	5107.88	0.46	ug/l	3701330.88	0.23	5000	102.2	90	110	
Mg	24	45	1	5113.78	1.11	ug/l	1902233.10	0.73	5000	102.3	90	110	
Al	27	45	1	492.75	0.90	ug/l	79215.50	0.35	500	98.6	90	110	
K	39	45	1	5036.36	1.30	ug/l	1242832.30	0.78	5000	100.7	90	110	
Ca	44	45	1	5055.18	0.71	ug/l	53227.05	0.61	5000	101.1	90	110	
Ti	47	45	1	49.25	1.31	ug/l	3028.17	1.72	50	98.5	90	110	
V	51	45	1	50.00	0.68	ug/l	83184.85	0.44	50	100.0	90	110	
Cr	52	45	1	50.35	0.43	ug/l	100700.77	0.15	50	100.7	90	110	
Mn	55	45	1	491.46	0.72	ug/l	582588.93	0.28	500	98.3	90	110	
Fe	56	45	1	4962.65	0.90	ug/l	8016299.18	1.01	5000	99.3	90	110	
Co	59	45	1	50.16	0.32	ug/l	141227.41	0.28	50	100.3	90	110	
Ni	60	45	1	50.36	0.58	ug/l	37185.66	0.78	50	100.7	90	110	
Cu	63	45	1	50.14	0.60	ug/l	96539.86	0.14	50	100.3	90	110	
Zn	66	45	1	51.51	2.00	ug/l	14310.28	1.39	50	103.0	90	110	
As	75	74	1	49.56	0.50	ug/l	7926.57	1.42	50	99.1	90	110	
Se	78	74	1	50.81	2.02	ug/l	713.49	1.88	50	101.6	90	110	
Sr	88	115	1	49.76	1.34	ug/l	54284.69	0.97	50	99.5	90	110	
Mo	95	115	1	49.21	1.66	ug/l	38913.12	1.86	50	98.4	90	110	
Ag	107	115	1	50.09	0.44	ug/l	126014.02	0.25	50	100.2	90	110	
Cd	111	115	1	49.88	1.64	ug/l	18618.60	1.29	50	99.8	90	110	
Sn	118	115	1	50.17	0.66	ug/l	40765.63	0.45	50	100.3	90	110	
Sb	121	115	1	49.18	0.87	ug/l	48021.27	1.37	50	98.4	90	110	
Ba	137	159	1	46.94	1.58	ug/l	18219.43	0.80	50	93.9	90	110	
Tl	205	209	1	10.12	0.90	ug/l	84945.05	0.35	10	101.2	90	110	
Pb	208	209	1	49.77	0.68	ug/l	558039.74	0.64	50	99.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49572	0.86	48998	101.2	60	120	
Sc	45	1	216634	0.53	223565	96.9	60	120	
Ge	74	1	24011	1.06	24592	97.6	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
In	115	1	145196	0.69	150316	96.6	60	120	
Tb	159	1	519077	0.80	523937	99.1	60	120	
Bi	209	1	462013	0.72	475056	97.3	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**1726CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:04:04-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	0.43	ug/l	1.67	0.00	0.2	
B	11	6	1	0.08	373.34	ug/l	114.45	13.76	20	
Na	23	45	1	-7.03	-10.17	ug/l	32479.76	1.66	50	
Mg	24	45	1	0.73	23.90	ug/l	618.92	11.51	50	
Al	27	45	1	-1.61	-5.44	ug/l	598.91	3.08	10	
K	39	45	1	-0.61	-305.82	ug/l	35687.02	0.48	50	
Ca	44	45	1	-2.50	-67.29	ug/l	77.78	23.89	50	
Tl	47	45	1	0.00	1705.54	ug/l	1.11	173.21	1	
V	51	45	1	-0.02	-71.71	ug/l	277.79	9.17	1	
Cr	52	45	1	0.03	50.22	ug/l	263.34	12.07	1	
Mn	55	45	1	0.12	24.44	ug/l	294.46	11.40	2	
Fe	56	45	1	0.97	10.06	ug/l	3571.01	4.46	30	
Co	59	45	1	0.02	18.47	ug/l	76.67	13.04	1	
Ni	60	45	1	-0.04	-22.27	ug/l	53.34	10.82	1	
Cu	63	45	1	0.00	1069.59	ug/l	313.35	10.80	1	
Zn	66	45	1	-1.42	-1.60	ug/l	86.67	6.66	4	
As	75	74	1	-0.02	-99.79	ug/l	9.44	36.71	0.5	
Se	78	74	1	-0.18	-66.02	ug/l	5.28	32.93	0.5	
Sr	88	115	1	0.00	433.56	ug/l	27.78	34.63	1	
Mo	95	115	1	0.04	50.02	ug/l	46.67	37.79	1	
Ag	107	115	1	0.00	41.91	ug/l	21.11	24.12	1	
Cd	111	115	1	0.00	-961.66	ug/l	2.22	86.60	0.5	
Sn	118	115	1	0.06	30.87	ug/l	61.11	25.78	4	
Sb	121	115	1	0.08	12.85	ug/l	93.34	10.71	0.5	
Ba	137	159	1	0.00	249.35	ug/l	11.11	34.61	1	
Tl	205	209	1	0.01	21.56	ug/l	96.67	19.20	0.2	
Pb	208	209	1	0.01	52.62	ug/l	278.90	18.57	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50389	0.29	48998	102.8	60	120	
Sc	45	1	220883	0.81	223565	98.8	60	120	
Ge	74	1	24400	0.59	24592	99.2	60	120	
Kr	83	1	4	173.21	12	36.4	-1000	1000	
In	115	1	148355	0.10	150316	98.7	60	120	
Tb	159	1	526113	0.22	523937	100.4	60	120	
Bi	209	1	479622	1.07	475056	101.0	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**MB 460-172900/1-A@5**
Data File Name	**1736CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:08:09-04:00**
Type	**6-CCB**
VialNumber	**2202**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	68866.43	ug/l	0.56	173.21	0.2	
B	11	6	1	-0.36	-95.23	ug/l	93.34	3.57	20	
Na	23	45	1	-5.40	-69.98	ug/l	33111.08	1.69	50	
Mg	24	45	1	0.19	260.25	ug/l	406.69	9.24	50	
Al	27	45	1	0.98	138.03	ug/l	1002.83	4.37	10	
K	39	45	1	1.50	217.79	ug/l	35604.74	0.42	50	
Ca	44	45	1	3.48	150.76	ug/l	139.45	7.96	50	
Ti	47	45	1	0.02	1542.13	ug/l	2.22	173.21	1	
V	51	45	1	0.13	105.45	ug/l	523.36	8.57	1	
Cr	52	45	1	0.02	259.54	ug/l	244.46	9.58	1	
Mn	55	45	1	0.00	9708.49	ug/l	145.56	8.67	2	
Fe	56	45	1	0.04	202.60	ug/l	2002.38	1.13	30	
Co	59	45	1	0.01	175.56	ug/l	53.34	22.54	1	
Ni	60	45	1	-0.03	-545.08	ug/l	60.00	34.69	1	
Cu	63	45	1	0.02	694.30	ug/l	338.90	13.78	1	
Zn	66	45	1	-1.22	-13.27	ug/l	140.01	6.30	4	
As	75	74	1	0.06	252.12	ug/l	22.22	21.64	0.5	
Se	78	74	1	-0.14	-517.19	ug/l	5.84	32.71	0.5	
Sr	88	115	1	0.03	27.54	ug/l	62.23	3.10	1	
Mo	95	115	1	0.01	427.07	ug/l	21.11	39.75	1	
Ag	107	115	1	0.00	-297.36	ug/l	3.33	100.05	1	
Cd	111	115	1	0.00	-5281.28	ug/l	2.22	86.60	0.5	
Sn	118	115	1	0.08	30.09	ug/l	72.22	5.33	4	
Sb	121	115	1	0.03	458.79	ug/l	45.56	62.24	0.5	
Ba	137	159	1	0.01	384.83	ug/l	14.45	26.66	1	
Tl	205	209	1	0.00	76.76	ug/l	44.44	11.46	0.2	
Pb	208	209	1	0.00	252.29	ug/l	224.45	10.95	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50840	0.11	48998	103.8	60	120	
Sc	45	1	217211	0.09	223565	97.2	60	120	
Ge	74	1	23983	0.65	24592	97.5	60	120	
Kr	83	1	10	57.72	12	81.8	-1000	1000	
In	115	1	147380	0.37	150316	98.0	60	120	
Tb	159	1	518349	0.31	523937	98.9	60	120	
Bi	209	1	473752	0.72	475056	99.7	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**PDS 460-59853-E-2-C@5**
Data File Name	**174SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:12:14-04:00**
Type	**Sample**
VialNumber	**2203**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	6.68	33.41	ug/l	3600	
Tl	205	209	1	4.01	20.03	ug/l	720	
Ba	137	159	1	131.30	656.48	ug/l	3600	
Sb	121	115	1	5.23	26.14	ug/l	3600	
Sn	118	115	1	9.95	49.75	ug/l	3600	
Cd	111	115	1	4.93	24.65	ug/l	3600	
Ag	107	115	1	4.68	23.40	ug/l	180	
Mo	95	115	1	9.72	48.61	ug/l	1800	
Sr	88	115	1	289.07	1445.37	ug/l	900	
Se	78	74	1	9.91	49.57	ug/l	3600	
As	75	74	1	10.30	51.50	ug/l	3600	
Zn	66	45	1	54.31	271.53	ug/l	900	
Cu	63	45	1	10.20	51.02	ug/l	900	
Ni	60	45	1	12.88	64.38	ug/l	900	
Co	59	45	1	5.40	27.00	ug/l	1800	
Fe	56	45	1	8930.61	44653.04	ug/l	360000	
Mn	55	45	1	618.20	3091.01	ug/l	18000	
Cr	52	45	1	12.10	60.48	ug/l	3600	
V	51	45	1	10.87	54.34	ug/l	3600	
Ti	47	45	1	12.95	64.76	ug/l	3600	
Ca	44	45	1	67833.25	339166.23	ug/l	360000	
K	39	45	1	3675.55	18377.77	ug/l	360000	
Al	27	45	1	604.51	3022.56	ug/l	36000	
Mg	24	45	1	8334.53	41672.66	ug/l	90000	
Na	23	45	1	27306.62	136533.08	ug/l	90000	
B	11	6	1	222.10	1110.50	ug/l	7200	
Be	9	6	1	5.19	25.95	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	445078	0.42	475056	93.7	60	120	
Tb	159	1	522077	0.67	523937	99.6	60	120	
In	115	1	143598	0.55	150316	95.5	60	120	
Kr	83	1	16	12.40	12	127.3	-1000	1000	
Ge	74	1	24068	0.15	24592	97.9	60	120	
Sc	45	1	217712	0.48	223565	97.4	60	120	
Li	6	1	50026	0.24	48998	102.1	60	120	

Sample Report

Sample Name	**460-59853-E-2-C@5**
Data File Name	**175SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:16:16-04:00**
Type	**Sample**
VialNumber	**2204**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.66	8.32	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	120.54	602.71	ug/l	3600	
Sb	121	115	1	0.15	0.77	ug/l	3600	
Sn	118	115	1	0.17	0.85	ug/l	3600	
Cd	111	115	1	0.02	0.09	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.09	0.44	ug/l	1800	
Sr	88	115	1	280.63	1403.15	ug/l	900	
Se	78	74	1	0.01	0.06	ug/l	3600	
As	75	74	1	0.22	1.10	ug/l	3600	
Zn	66	45	1	5.93	29.67	ug/l	900	
Cu	63	45	1	0.76	3.79	ug/l	900	
Ni	60	45	1	3.28	16.42	ug/l	900	
Co	59	45	1	0.68	3.42	ug/l	1800	
Fe	56	45	1	8479.37	42396.83	ug/l	360000	
Mn	55	45	1	571.45	2857.24	ug/l	18000	
Cr	52	45	1	2.33	11.65	ug/l	3600	
V	51	45	1	1.04	5.18	ug/l	3600	
Ti	47	45	1	2.36	11.82	ug/l	3600	
Ca	44	45	1	67437.07	337185.37	ug/l	360000	
K	39	45	1	3212.25	16061.25	ug/l	360000	
Al	27	45	1	117.18	585.92	ug/l	36000	
Mg	24	45	1	7912.34	39561.71	ug/l	90000	
Na	23	45	1	26823.43	134117.17	ug/l	90000	
B	11	6	1	126.54	632.69	ug/l	7200	
Be	9	6	1	0.07	0.36	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	445860	0.37	475056	93.9	60	120	
Tb	159	1	520235	0.44	523937	99.3	60	120	
In	115	1	143536	0.28	150316	95.5	60	120	
Kr	83	1	11	75.52	12	90.9	-1000	1000	
Ge	74	1	24048	0.62	24592	97.8	60	120	
Sc	45	1	218935	0.37	223565	97.9	60	120	
Li	6	1	50204	0.76	48998	102.5	60	120	

Sample Report

Sample Name	**460-59910-D-1-B@5**
Data File Name	**176SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:20:19-04:00**
Type	**Sample**
VialNumber	**2205**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.69	3.43	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	3.77	18.85	ug/l	3600	
Sb	121	115	1	0.63	3.17	ug/l	3600	
Sn	118	115	1	4.17	20.83	ug/l	3600	
Cd	111	115	1	0.01	0.04	ug/l	3600	
Ag	107	115	1	0.01	0.04	ug/l	180	
Mo	95	115	1	5.27	26.35	ug/l	1800	
Sr	88	115	1	44.64	223.22	ug/l	900	
Se	78	74	1	0.34	1.70	ug/l	3600	
As	75	74	1	0.70	3.49	ug/l	3600	
Zn	66	45	1	31.98	159.90	ug/l	900	
Cu	63	45	1	4.18	20.89	ug/l	900	
Ni	60	45	1	2.13	10.66	ug/l	900	
Co	59	45	1	0.44	2.22	ug/l	1800	
Fe	56	45	1	405.23	2026.14	ug/l	360000	
Mn	55	45	1	11.46	57.29	ug/l	18000	
Cr	52	45	1	17.92	89.62	ug/l	3600	
V	51	45	1	12.95	64.74	ug/l	3600	
Ti	47	45	1	19.27	96.37	ug/l	3600	
Ca	44	45	1	6157.36	30786.78	ug/l	360000	
K	39	45	1	90821.24	454106.20	ug/l	360000	
Al	27	45	1	666.86	3334.30	ug/l	36000	
Mg	24	45	1	781.32	3906.60	ug/l	90000	
Na	23	45	1	24989.32	124946.61	ug/l	90000	
B	11	6	1	60.36	301.82	ug/l	7200	
Be	9	6	1	0.01	0.06	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	446432	0.94	475056	94.0	60	120	
Tb	159	1	518408	1.23	523937	98.9	60	120	
In	115	1	143929	0.82	150316	95.8	60	120	
Kr	83	1	10	100.00	12	81.8	-1000	1000	
Ge	74	1	23837	0.11	24592	96.9	60	120	
Sc	45	1	215915	0.77	223565	96.6	60	120	
Li	6	1	47973	1.05	48998	97.9	60	120	

Sample Report

Sample Name	**460-59917-A-1-A@5**
Data File Name	**177SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:24:24-04:00**
Type	**Sample**
VialNumber	**2206**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.84	9.22	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	16.69	83.44	ug/l	3600	
Sb	121	115	1	0.17	0.86	ug/l	3600	
Sn	118	115	1	0.28	1.41	ug/l	3600	
Cd	111	115	1	0.03	0.16	ug/l	3600	
Ag	107	115	1	0.10	0.50	ug/l	180	
Mo	95	115	1	1.08	5.39	ug/l	1800	
Sr	88	115	1	30.77	153.83	ug/l	900	
Se	78	74	1	0.06	0.32	ug/l	3600	
As	75	74	1	0.40	2.01	ug/l	3600	
Zn	66	45	1	34.23	171.14	ug/l	900	
Cu	63	45	1	11.03	55.16	ug/l	900	
Ni	60	45	1	1.02	5.10	ug/l	900	
Co	59	45	1	0.28	1.39	ug/l	1800	
Fe	56	45	1	444.85	2224.23	ug/l	360000	
Mn	55	45	1	33.27	166.35	ug/l	18000	
Cr	52	45	1	0.92	4.58	ug/l	3600	
V	51	45	1	0.56	2.82	ug/l	3600	
Ti	47	45	1	2.28	11.41	ug/l	3600	
Ca	44	45	1	6350.84	31754.20	ug/l	360000	
K	39	45	1	3130.21	15651.05	ug/l	360000	
Al	27	45	1	266.42	1332.10	ug/l	36000	
Mg	24	45	1	2659.17	13295.86	ug/l	90000	
Na	23	45	1	13831.84	69159.22	ug/l	90000	
B	11	6	1	50.32	251.58	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	468110	0.72	475056	98.5	60	120	
Tb	159	1	518028	0.87	523937	98.9	60	120	
In	115	1	145567	0.85	150316	96.8	60	120	
Kr	83	1	11	34.61	12	90.9	-1000	1000	
Ge	74	1	24342	0.72	24592	99.0	60	120	
Sc	45	1	215002	1.10	223565	96.2	60	120	
Li	6	1	49266	0.55	48998	100.5	60	120	

Sample Report

Sample Name	**460-59917-A-2-B@5**
Data File Name	**178SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:28:30-04:00**
Type	**Sample**
VialNumber	**2207**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.23	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	5.55	27.73	ug/l	3600	
Sb	121	115	1	0.04	0.19	ug/l	3600	
Sn	118	115	1	0.14	0.69	ug/l	3600	
Cd	111	115	1	0.04	0.18	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.82	4.11	ug/l	1800	
Sr	88	115	1	33.90	169.48	ug/l	900	
Se	78	74	1	-0.08	-0.41	ug/l	3600	
As	75	74	1	0.33	1.63	ug/l	3600	
Zn	66	45	1	0.96	4.80	ug/l	900	
Cu	63	45	1	0.56	2.79	ug/l	900	
Ni	60	45	1	0.80	4.00	ug/l	900	
Co	59	45	1	0.20	1.00	ug/l	1800	
Fe	56	45	1	60.35	301.76	ug/l	360000	
Mn	55	45	1	33.91	169.57	ug/l	18000	
Cr	52	45	1	0.17	0.86	ug/l	3600	
V	51	45	1	0.30	1.48	ug/l	3600	
Ti	47	45	1	0.20	1.02	ug/l	3600	
Ca	44	45	1	6839.15	34195.76	ug/l	360000	
K	39	45	1	4152.34	20761.69	ug/l	360000	
Al	27	45	1	2.77	13.84	ug/l	36000	
Mg	24	45	1	2961.05	14805.23	ug/l	90000	
Na	23	45	1	16674.75	83373.76	ug/l	90000	
B	11	6	1	77.34	386.72	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	462240	1.31	475056	97.3	60	120	
Tb	159	1	518604	1.49	523937	99.0	60	120	
In	115	1	144693	2.13	150316	96.3	60	120	
Kr	83	1	10	57.75	12	81.8	-1000	1000	
Ge	74	1	23769	2.07	24592	96.7	60	120	
Sc	45	1	213950	1.15	223565	95.7	60	120	
Li	6	1	48913	0.50	48998	99.8	60	120	

Sample Report

Sample Name	**460-59975-C-1-B@5**
Data File Name	**179SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:32:37-04:00**
Type	**Sample**
VialNumber	**2208**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.06	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	0.09	0.47	ug/l	3600	
Sb	121	115	1	0.02	0.10	ug/l	3600	
Sn	118	115	1	0.07	0.34	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.01	0.05	ug/l	1800	
Sr	88	115	1	0.05	0.24	ug/l	900	
Se	78	74	1	-0.22	-1.12	ug/l	3600	
As	75	74	1	0.05	0.25	ug/l	3600	
Zn	66	45	1	0.16	0.79	ug/l	900	
Cu	63	45	1	0.10	0.50	ug/l	900	
Ni	60	45	1	0.01	0.03	ug/l	900	
Co	59	45	1	0.01	0.03	ug/l	1800	
Fe	56	45	1	5.53	27.65	ug/l	360000	
Mn	55	45	1	0.35	1.73	ug/l	18000	
Cr	52	45	1	0.04	0.18	ug/l	3600	
V	51	45	1	0.18	0.89	ug/l	3600	
Tl	47	45	1	0.28	1.38	ug/l	3600	
Ca	44	45	1	6.31	31.55	ug/l	360000	
K	39	45	1	4.17	20.84	ug/l	360000	
Al	27	45	1	3.05	15.24	ug/l	36000	
Mg	24	45	1	1.24	6.18	ug/l	90000	
Na	23	45	1	0.94	4.70	ug/l	90000	
B	11	6	1	2.19	10.96	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	472096	3.96	475056	99.4	60	120	
Tb	159	1	519684	4.40	523937	99.2	60	120	
In	115	1	146117	4.27	150316	97.2	60	120	
Kr	83	1	9	21.63	12	72.7	-1000	1000	
Ge	74	1	23951	4.77	24592	97.4	60	120	
Sc	45	1	215852	4.76	223565	96.6	60	120	
Li	6	1	50129	3.52	48998	102.3	60	120	

Sample Report

Sample Name	**460-59975-D-3-B@5**
Data File Name	**180SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:36:43-04:00**
Type	**Sample**
VialNumber	**2209**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.92	4.61	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	177.51	887.56	ug/l	3600	
Sb	121	115	1	0.05	0.24	ug/l	3600	
Sn	118	115	1	0.21	1.05	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.11	0.53	ug/l	1800	
Sr	88	115	1	205.29	1026.45	ug/l	900	
Se	78	74	1	-0.05	-0.27	ug/l	3600	
As	75	74	1	0.32	1.60	ug/l	3600	
Zn	66	45	1	2.27	11.33	ug/l	900	
Cu	63	45	1	0.27	1.37	ug/l	900	
Ni	60	45	1	1.81	9.03	ug/l	900	
Co	59	45	1	0.22	1.09	ug/l	1800	
Fe	56	45	1	3920.87	19604.35	ug/l	360000	
Mn	55	45	1	214.38	1071.88	ug/l	18000	
Cr	52	45	1	0.90	4.52	ug/l	3600	
V	51	45	1	0.56	2.79	ug/l	3600	
Ti	47	45	1	0.78	3.89	ug/l	3600	
Ca	44	45	1	43796.40	218982.01	ug/l	360000	
K	39	45	1	2307.51	11537.54	ug/l	360000	
Al	27	45	1	16.67	83.34	ug/l	36000	
Mg	24	45	1	7408.85	37044.26	ug/l	90000	
Na	23	45	1	27196.54	135982.72	ug/l	90000	
B	11	6	1	101.97	509.83	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	441423	1.15	475056	92.9	60	120	
Tb	159	1	511096	1.40	523937	97.5	60	120	
In	115	1	140505	1.31	150316	93.5	60	120	
Kr	83	1	10	0.00	12	81.8	-1000	1000	
Ge	74	1	23366	1.79	24592	95.0	60	120	
Sc	45	1	212213	2.31	223565	94.9	60	120	
Li	6	1	48550	1.16	48998	99.1	60	120	

Sample Report

Sample Name	**460-59975-D-4-B@5**
Data File Name	**181SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:40:45-04:00**
Type	**Sample**
VialNumber	**2210**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	8.43	42.16	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	28.54	142.69	ug/l	3600	
Sb	121	115	1	0.17	0.86	ug/l	3600	
Sn	118	115	1	0.93	4.64	ug/l	3600	
Cd	111	115	1	0.31	1.56	ug/l	3600	
Ag	107	115	1	0.09	0.43	ug/l	180	
Mo	95	115	1	0.42	2.11	ug/l	1800	
Sr	88	115	1	183.19	915.94	ug/l	900	
Se	78	74	1	0.83	4.14	ug/l	3600	
As	75	74	1	1.12	5.62	ug/l	3600	
Zn	66	45	1	61.89	309.45	ug/l	900	
Cu	63	45	1	15.74	78.68	ug/l	900	
Ni	60	45	1	17.81	89.04	ug/l	900	
Co	59	45	1	7.74	38.72	ug/l	1800	
Fe	56	45	1	32392.52	161962.62	ug/l	360000	
Mn	55	45	1	2688.81	13444.06	ug/l	18000	
Cr	52	45	1	12.69	63.47	ug/l	3600	
V	51	45	1	6.78	33.88	ug/l	3600	
Ti	47	45	1	3.17	15.83	ug/l	3600	
Ca	44	45	1	52020.04	260100.21	ug/l	360000	
K	39	45	1	1829.89	9149.45	ug/l	360000	
Al	27	45	1	3683.18	18415.91	ug/l	36000	
Mg	24	45	1	11766.72	58833.61	ug/l	90000	
Na	23	45	1	16520.98	82604.90	ug/l	90000	
B	11	6	1	42.96	214.80	ug/l	7200	
Be	9	6	1	1.29	6.44	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	452208	0.74	475056	95.2	60	120	
Tb	159	1	519855	1.01	523937	99.2	60	120	
In	115	1	142431	0.71	150316	94.8	60	120	
Kr	83	1	30	22.23	12	245.4	-1000	1000	
Ge	74	1	23394	1.62	24592	95.1	60	120	
Sc	45	1	211725	0.39	223565	94.7	60	120	
Li	6	1	49046	1.89	48998	100.1	60	120	

Sample Report

Sample Name	**460-59975-D-6-B@5**
Data File Name	**182SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:44:48-04:00**
Type	**Sample**
VialNumber	**2211**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	2.68	13.39	ug/l	3600	
Tl	205	209	1	0.04	0.18	ug/l	720	
Ba	137	159	1	2.33	11.63	ug/l	3600	
Sb	121	115	1	0.01	0.06	ug/l	3600	
Sn	118	115	1	0.06	0.31	ug/l	3600	
Cd	111	115	1	2.56	12.80	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.01	0.06	ug/l	1800	
Sr	88	115	1	133.26	666.31	ug/l	900	
Se	78	74	1	13.75	68.73	ug/l	3600	
As	75	74	1	3.61	18.06	ug/l	3600	
Zn	66	45	1	851.27	4256.37	ug/l	900	
Cu	63	45	1	13.73	68.64	ug/l	900	
Ni	60	45	1	184.93	924.63	ug/l	900	
Co	59	45	1	153.28	766.38	ug/l	1800	
Fe	56	45	1	16661.07	83305.36	ug/l	360000	
Mn	55	45	1	5955.39	29776.94	ug/l	18000	
Cr	52	45	1	7.80	39.02	ug/l	3600	
V	51	45	1	0.89	4.46	ug/l	3600	
Ti	47	45	1	0.99	4.93	ug/l	3600	
Ca	44	45	1	45812.30	229061.49	ug/l	360000	
K	39	45	1	1004.94	5024.69	ug/l	360000	
Al	27	45	1	23620.18	118100.88	ug/l	36000	
Mg	24	45	1	18635.85	93179.25	ug/l	90000	
Na	23	45	1	1859.22	9296.09	ug/l	90000	
B	11	6	1	18.90	94.48	ug/l	7200	
Be	9	6	1	12.78	63.91	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	468235	1.14	475056	98.6	60	120	
Tb	159	1	591969	0.78	523937	113.0	60	120	
In	115	1	143895	0.89	150316	95.7	60	120	
Kr	83	1	168	14.91	12	1372.6	-1000	1000	fail
Ge	74	1	24049	1.33	24592	97.8	60	120	
Sc	45	1	214834	0.82	223565	96.1	60	120	
Li	6	1	51225	0.79	48998	104.5	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**1836CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:48:48-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.28	1.06	ug/l	7709.70	0.87	50	96.6	90	110	
B	11	6	1	98.70	3.37	ug/l	5150.98	3.33	100	98.7	90	110	
Na	23	45	1	5163.60	0.55	ug/l	3757074.52	0.29	5000	103.3	90	110	
Mg	24	45	1	5159.76	0.50	ug/l	1927500.91	0.82	5000	103.2	90	110	
Al	27	45	1	494.75	0.44	ug/l	79870.82	0.67	500	98.9	90	110	
K	39	45	1	5059.70	0.90	ug/l	1253726.62	0.76	5000	101.2	90	110	
Ca	44	45	1	5006.71	1.02	ug/l	52939.93	0.93	5000	100.1	90	110	
Ti	47	45	1	49.41	1.46	ug/l	3050.39	1.20	50	98.8	90	110	
V	51	45	1	50.41	0.53	ug/l	84218.15	0.64	50	100.8	90	110	
Cr	52	45	1	50.62	0.31	ug/l	101665.76	0.33	50	101.2	90	110	
Mn	55	45	1	497.28	0.39	ug/l	591977.90	0.25	500	99.5	90	110	
Fe	56	45	1	4986.15	0.10	ug/l	8088183.00	0.23	5000	99.7	90	110	
Co	59	45	1	50.31	0.33	ug/l	142259.17	0.23	50	100.6	90	110	
Ni	60	45	1	50.40	0.23	ug/l	37378.27	0.50	50	100.8	90	110	
Cu	63	45	1	50.91	0.98	ug/l	98428.18	0.67	50	101.8	90	110	
Zn	66	45	1	51.95	0.63	ug/l	14490.41	0.34	50	103.9	90	110	
As	75	74	1	50.69	2.03	ug/l	8191.14	2.63	50	101.4	90	110	
Se	78	74	1	50.86	1.52	ug/l	721.82	2.50	50	101.7	90	110	
Sr	88	115	1	48.89	1.04	ug/l	54318.04	1.37	50	97.8	90	110	
Mo	95	115	1	48.84	1.08	ug/l	39329.79	0.93	50	97.7	90	110	
Ag	107	115	1	49.70	0.67	ug/l	127339.21	0.94	50	99.4	90	110	
Cd	111	115	1	50.31	1.86	ug/l	19125.87	1.52	50	100.6	90	110	
Sn	118	115	1	50.12	0.37	ug/l	41476.33	0.61	50	100.2	90	110	
Sb	121	115	1	49.83	0.88	ug/l	49546.26	1.02	50	99.7	90	110	
Ba	137	159	1	47.13	0.79	ug/l	18664.33	1.22	50	94.3	90	110	
Tl	205	209	1	10.03	1.09	ug/l	86660.87	0.87	10	100.3	90	110	
Pb	208	209	1	49.80	0.71	ug/l	574848.83	0.23	50	99.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	51566	0.26	48998	105.2	60	120	
Sc	45	1	217546	0.33	223565	97.3	60	120	
Ge	74	1	24261	1.00	24592	98.7	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
In	115	1	147870	0.35	150316	98.4	60	120	
Tb	159	1	529585	0.44	523937	101.1	60	120	
Bi	209	1	475676	0.51	475056	100.1	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**1846CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:52:49-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	150.33	ug/l	1.67	99.90	0.2	
B	11	6	1	0.73	56.33	ug/l	151.12	14.35	20	
Na	23	45	1	-6.71	-8.34	ug/l	32244.78	1.57	50	
Mg	24	45	1	1.01	17.59	ug/l	712.26	9.23	50	
Al	27	45	1	-1.38	-17.60	ug/l	627.80	5.53	10	
K	39	45	1	-0.80	-217.22	ug/l	35134.73	0.70	50	
Ca	44	45	1	-2.96	-19.71	ug/l	71.67	8.39	50	
Ti	47	45	1	0.02	310.74	ug/l	2.22	173.21	1	
V	51	45	1	0.04	66.88	ug/l	380.02	11.50	1	
Cr	52	45	1	0.00	653.34	ug/l	206.68	21.09	1	
Mn	55	45	1	0.36	19.45	ug/l	575.59	15.04	2	
Fe	56	45	1	1.05	3.52	ug/l	3661.04	2.00	30	
Co	59	45	1	0.03	12.06	ug/l	102.23	9.96	1	
Ni	60	45	1	-0.06	-16.00	ug/l	32.22	23.90	1	
Cu	63	45	1	0.00	661.67	ug/l	310.01	8.80	1	
Zn	66	45	1	-1.36	-4.23	ug/l	101.12	15.58	4	
As	75	74	1	0.02	83.83	ug/l	16.11	15.81	0.5	
Se	78	74	1	-0.07	-156.46	ug/l	6.94	22.74	0.5	
Sr	88	115	1	0.00	280.94	ug/l	28.89	29.04	1	
Mo	95	115	1	0.03	9.46	ug/l	35.56	5.42	1	
Ag	107	115	1	0.01	39.36	ug/l	26.67	24.99	1	
Cd	111	115	1	0.00	374.37	ug/l	3.33	100.05	0.5	
Sn	118	115	1	0.08	20.75	ug/l	78.89	19.05	4	
Sb	121	115	1	0.07	6.45	ug/l	82.23	6.19	0.5	
Ba	137	159	1	0.01	87.64	ug/l	13.33	25.01	1	
Tl	205	209	1	0.01	10.50	ug/l	104.45	9.21	0.2	
Pb	208	209	1	0.01	30.26	ug/l	288.90	12.45	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	51859	0.35	48998	105.8	60	120	
Sc	45	1	217744	0.68	223565	97.4	60	120	
Ge	74	1	24694	0.16	24592	100.4	60	120	
Kr	83	1	10	0.00	12	81.8	-1000	1000	
In	115	1	150580	1.04	150316	100.2	60	120	
Tb	159	1	529434	0.75	523937	101.0	60	120	
Bi	209	1	484898	0.71	475056	102.1	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-59975-D-7-B@5**
Data File Name	**185SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T03:56:57-04:00**
Type	**Sample**
VialNumber	**2212**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	6.48	32.39	ug/l	3600	
Tl	205	209	1	0.30	1.51	ug/l	720	
Ba	137	159	1	2.27	11.34	ug/l	3600	
Sb	121	115	1	0.05	0.27	ug/l	3600	
Sn	118	115	1	0.12	0.61	ug/l	3600	
Cd	111	115	1	0.64	3.18	ug/l	3600	
Ag	107	115	1	0.01	0.07	ug/l	180	
Mo	95	115	1	0.01	0.05	ug/l	1800	
Sr	88	115	1	236.04	1180.19	ug/l	900	
Se	78	74	1	3.54	17.70	ug/l	3600	
As	75	74	1	1.02	5.09	ug/l	3600	
Zn	66	45	1	677.00	3384.98	ug/l	900	
Cu	63	45	1	12.42	62.10	ug/l	900	
Ni	60	45	1	93.17	465.87	ug/l	900	
Co	59	45	1	62.66	313.32	ug/l	1800	
Fe	56	45	1	45033.22	225166.08	ug/l	360000	
Mn	55	45	1	3778.74	18893.69	ug/l	18000	
Cr	52	45	1	2.57	12.86	ug/l	3600	
V	51	45	1	0.38	1.91	ug/l	3600	
Ti	47	45	1	0.57	2.84	ug/l	3600	
Ca	44	45	1	87903.60	439518.02	ug/l	360000	
K	39	45	1	1066.26	5331.30	ug/l	360000	
Al	27	45	1	6386.10	31930.51	ug/l	36000	
Mg	24	45	1	13862.61	69313.04	ug/l	90000	
Na	23	45	1	2773.04	13865.21	ug/l	90000	
B	11	6	1	34.75	173.73	ug/l	7200	
Be	9	6	1	2.85	14.23	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460046	2.85	475056	96.8	60	120	
Tb	159	1	530486	2.57	523937	101.2	60	120	
In	115	1	140017	2.80	150316	93.1	60	120	
Kr	83	1	40	16.68	12	327.2	-1000	1000	
Ge	74	1	23231	2.33	24592	94.5	60	120	
Sc	45	1	206994	2.78	223565	92.6	60	120	
Li	6	1	49730	2.93	48998	101.5	60	120	

Sample Report

Sample Name	**460-59975-D-8-B@5**
Data File Name	**186SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:00:56-04:00**
Type	**Sample**
VialNumber	**2301**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.27	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	9.21	46.07	ug/l	3600	
Sb	121	115	1	0.03	0.15	ug/l	3600	
Sn	118	115	1	0.09	0.43	ug/l	3600	
Cd	111	115	1	0.00	-0.02	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.12	0.60	ug/l	1800	
Sr	88	115	1	81.83	409.14	ug/l	900	
Se	78	74	1	-0.04	-0.20	ug/l	3600	
As	75	74	1	0.60	2.98	ug/l	3600	
Zn	66	45	1	0.22	1.08	ug/l	900	
Cu	63	45	1	0.36	1.80	ug/l	900	
Ni	60	45	1	0.66	3.28	ug/l	900	
Co	59	45	1	0.26	1.28	ug/l	1800	
Fe	56	45	1	2026.71	10133.56	ug/l	360000	
Mn	55	45	1	251.88	1259.41	ug/l	18000	
Cr	52	45	1	0.15	0.77	ug/l	3600	
V	51	45	1	0.41	2.05	ug/l	3600	
Ti	47	45	1	0.24	1.22	ug/l	3600	
Ca	44	45	1	21136.46	105682.31	ug/l	360000	
K	39	45	1	1311.19	6555.95	ug/l	360000	
Al	27	45	1	8.58	42.89	ug/l	36000	
Mg	24	45	1	5377.70	26888.48	ug/l	90000	
Na	23	45	1	3898.75	19493.74	ug/l	90000	
B	11	6	1	18.13	90.63	ug/l	7200	
Be	9	6	1	0.02	0.09	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	476661	1.08	475056	100.3	60	120	
Tb	159	1	529575	0.94	523937	101.1	60	120	
In	115	1	144641	1.49	150316	96.2	60	120	
Kr	83	1	10	66.70	12	81.8	-1000	1000	
Ge	74	1	24042	2.16	24592	97.8	60	120	
Sc	45	1	211056	0.62	223565	94.4	60	120	
Li	6	1	50734	1.17	48998	103.5	60	120	

Sample Report

Sample Name	**460-59853-E-3-B@5**
Data File Name	**187SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:04:58-04:00**
Type	**Sample**
VialNumber	**2302**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	0.31	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	27.08	135.41	ug/l	3600	
Sb	121	115	1	0.03	0.13	ug/l	3600	
Sn	118	115	1	0.05	0.26	ug/l	3600	
Cd	111	115	1	0.00	0.00	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.25	1.24	ug/l	1800	
Sr	88	115	1	128.52	642.62	ug/l	900	
Se	78	74	1	-0.19	-0.95	ug/l	3600	
As	75	74	1	1.00	5.01	ug/l	3600	
Zn	66	45	1	1.19	5.97	ug/l	900	
Cu	63	45	1	0.72	3.59	ug/l	900	
Ni	60	45	1	0.15	0.76	ug/l	900	
Co	59	45	1	0.10	0.48	ug/l	1800	
Fe	56	45	1	2946.94	14734.70	ug/l	360000	
Mn	55	45	1	373.32	1866.58	ug/l	18000	
Cr	52	45	1	0.20	0.99	ug/l	3600	
V	51	45	1	0.48	2.40	ug/l	3600	
Ti	47	45	1	0.51	2.54	ug/l	3600	
Ca	44	45	1	8586.03	42930.16	ug/l	360000	
K	39	45	1	123.14	615.71	ug/l	360000	
Al	27	45	1	14.85	74.27	ug/l	36000	
Mg	24	45	1	3428.72	17143.61	ug/l	90000	
Na	23	45	1	18866.97	94334.85	ug/l	90000	
B	11	6	1	167.74	838.71	ug/l	7200	
Be	9	6	1	0.04	0.18	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	467965	1.09	475056	98.5	60	120	
Tb	159	1	520801	0.87	523937	99.4	60	120	
In	115	1	143765	1.07	150316	95.6	60	120	
Kr	83	1	7	86.60	12	54.5	-1000	1000	
Ge	74	1	23503	2.16	24592	95.6	60	120	
Sc	45	1	209003	0.44	223565	93.5	60	120	
Li	6	1	49663	0.41	48998	101.4	60	120	

Sample Report

Sample Name	**460-59853-E-4-B@5**
Data File Name	**188SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:09:01-04:00**
Type	**Sample**
VialNumber	**2303**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.07	0.33	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	27.10	135.51	ug/l	3600	
Sb	121	115	1	0.02	0.12	ug/l	3600	
Sn	118	115	1	0.05	0.25	ug/l	3600	
Cd	111	115	1	0.00	0.01	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.23	1.15	ug/l	1800	
Sr	88	115	1	129.33	646.65	ug/l	900	
Se	78	74	1	-0.02	-0.09	ug/l	3600	
As	75	74	1	0.99	4.94	ug/l	3600	
Zn	66	45	1	0.65	3.27	ug/l	900	
Cu	63	45	1	0.63	3.13	ug/l	900	
Ni	60	45	1	0.13	0.65	ug/l	900	
Co	59	45	1	0.10	0.48	ug/l	1800	
Fe	56	45	1	2947.79	14738.94	ug/l	360000	
Mn	55	45	1	369.93	1849.66	ug/l	18000	
Cr	52	45	1	0.18	0.89	ug/l	3600	
V	51	45	1	0.50	2.49	ug/l	3600	
Ti	47	45	1	0.62	3.12	ug/l	3600	
Ca	44	45	1	8556.90	42784.48	ug/l	360000	
K	39	45	1	118.89	594.46	ug/l	360000	
Al	27	45	1	15.19	75.95	ug/l	36000	
Mg	24	45	1	3391.75	16958.77	ug/l	90000	
Na	23	45	1	18935.30	94676.48	ug/l	90000	
B	11	6	1	161.08	805.38	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	459922	4.70	475056	96.8	60	120	
Tb	159	1	516805	5.52	523937	98.6	60	120	
In	115	1	142763	5.21	150316	95.0	60	120	
Kr	83	1	12	103.26	12	100.0	-1000	1000	
Ge	74	1	23501	5.31	24592	95.6	60	120	
Sc	45	1	209398	5.48	223565	93.7	60	120	
Li	6	1	50013	4.43	48998	102.1	60	120	

Sample Report

Sample Name	**460-60003-B-1-A@5**
Data File Name	**189SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:13:02-04:00**
Type	**Sample**
VialNumber	**2304**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.62	8.11	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	48.54	242.71	ug/l	3600	
Sb	121	115	1	1.21	6.07	ug/l	3600	
Sn	118	115	1	0.16	0.79	ug/l	3600	
Cd	111	115	1	0.15	0.77	ug/l	3600	
Ag	107	115	1	0.03	0.14	ug/l	180	
Mo	95	115	1	0.88	4.41	ug/l	1800	
Sr	88	115	1	182.34	911.69	ug/l	900	
Se	78	74	1	0.61	3.04	ug/l	3600	
As	75	74	1	0.73	3.65	ug/l	3600	
Zn	66	45	1	11.83	59.15	ug/l	900	
Cu	63	45	1	3.11	15.55	ug/l	900	
Ni	60	45	1	1.88	9.41	ug/l	900	
Co	59	45	1	0.14	0.70	ug/l	1800	
Fe	56	45	1	24.09	120.46	ug/l	360000	
Mn	55	45	1	4.68	23.40	ug/l	18000	
Cr	52	45	1	0.29	1.47	ug/l	3600	
V	51	45	1	1.17	5.83	ug/l	3600	
Ti	47	45	1	0.72	3.62	ug/l	3600	
Ca	44	45	1	62368.09	311840.44	ug/l	360000	
K	39	45	1	7884.11	39420.57	ug/l	360000	
Al	27	45	1	29.96	149.80	ug/l	36000	
Mg	24	45	1	11589.56	57947.81	ug/l	90000	
Na	23	45	1	30311.05	151555.27	ug/l	90000	
B	11	6	1	39.09	195.46	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	447676	0.18	475056	94.2	60	120	
Tb	159	1	511764	0.38	523937	97.7	60	120	
In	115	1	139966	0.47	150316	93.1	60	120	
Kr	83	1	8	65.47	12	63.6	-1000	1000	
Ge	74	1	23082	0.98	24592	93.9	60	120	
Sc	45	1	206124	0.91	223565	92.2	60	120	
Li	6	1	48488	0.28	48998	99.0	60	120	

Sample Report

Sample Name	**460-59858-H-2-B@5**
Data File Name	**190SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:17:08-04:00**
Type	**Sample**
VialNumber	**2305**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.12	ug/l	3600	
Tl	205	209	1	0.00	0.00	ug/l	720	
Ba	137	159	1	0.07	0.37	ug/l	3600	
Sb	121	115	1	0.01	0.04	ug/l	3600	
Sn	118	115	1	0.04	0.22	ug/l	3600	
Cd	111	115	1	0.00	0.00	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.00	-0.01	ug/l	1800	
Sr	88	115	1	0.08	0.41	ug/l	900	
Se	78	74	1	-0.03	-0.17	ug/l	3600	
As	75	74	1	0.01	0.05	ug/l	3600	
Zn	66	45	1	-1.03	-5.14	ug/l	900	
Cu	63	45	1	0.21	1.03	ug/l	900	
Ni	60	45	1	0.05	0.27	ug/l	900	
Co	59	45	1	0.01	0.05	ug/l	1800	
Fe	56	45	1	2.75	13.75	ug/l	360000	
Mn	55	45	1	0.22	1.10	ug/l	18000	
Cr	52	45	1	0.18	0.90	ug/l	3600	
V	51	45	1	0.20	1.02	ug/l	3600	
Ti	47	45	1	0.08	0.40	ug/l	3600	
Ca	44	45	1	15.92	79.58	ug/l	360000	
K	39	45	1	3.02	15.10	ug/l	360000	
Al	27	45	1	0.21	1.03	ug/l	36000	
Mg	24	45	1	1.65	8.26	ug/l	90000	
Na	23	45	1	35.61	178.03	ug/l	90000	
B	11	6	1	1.08	5.39	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	470326	1.09	475056	99.0	60	120	
Tb	159	1	509679	1.72	523937	97.3	60	120	
In	115	1	141058	1.84	150316	93.8	60	120	
Kr	83	1	6	34.70	12	45.5	-1000	1000	
Ge	74	1	23064	3.07	24592	93.8	60	120	
Sc	45	1	204915	1.67	223565	91.7	60	120	
Li	6	1	49859	1.07	48998	101.8	60	120	

Sample Report

Sample Name	**460-59858-H-3-B@5**
Data File Name	**191SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:21:13-04:00**
Type	**Sample**
VialNumber	**2306**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.05	5.26	ug/l	3600	
Tl	205	209	1	0.01	0.06	ug/l	720	
Ba	137	159	1	6.35	31.74	ug/l	3600	
Sb	121	115	1	0.09	0.45	ug/l	3600	
Sn	118	115	1	0.08	0.38	ug/l	3600	
Cd	111	115	1	0.02	0.12	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	3.90	19.49	ug/l	1800	
Sr	88	115	1	31.26	156.30	ug/l	900	
Se	78	74	1	-0.02	-0.11	ug/l	3600	
As	75	74	1	1.67	8.37	ug/l	3600	
Zn	66	45	1	6.03	30.17	ug/l	900	
Cu	63	45	1	3.17	15.83	ug/l	900	
Ni	60	45	1	5.79	28.97	ug/l	900	
Co	59	45	1	0.27	1.34	ug/l	1800	
Fe	56	45	1	356.75	1783.76	ug/l	360000	
Mn	55	45	1	14.60	72.99	ug/l	18000	
Cr	52	45	1	2.72	13.60	ug/l	3600	
V	51	45	1	0.65	3.23	ug/l	3600	
Ti	47	45	1	1.29	6.43	ug/l	3600	
Ca	44	45	1	1542.22	7711.11	ug/l	360000	
K	39	45	1	878.72	4393.61	ug/l	360000	
Al	27	45	1	356.99	1784.93	ug/l	36000	
Mg	24	45	1	353.75	1768.77	ug/l	90000	
Na	23	45	1	25684.98	128424.88	ug/l	90000	
B	11	6	1	188.38	941.92	ug/l	7200	
Be	9	6	1	0.04	0.18	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	459340	0.69	475056	96.7	60	120	
Tb	159	1	507245	0.29	523937	96.8	60	120	
In	115	1	139294	0.73	150316	92.7	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
Ge	74	1	22875	0.82	24592	93.0	60	120	
Sc	45	1	204707	0.32	223565	91.6	60	120	
Li	6	1	48695	0.37	48998	99.4	60	120	

Sample Report

Sample Name	**460-59858-H-4-B@5**
Data File Name	**192SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:25:19-04:00**
Type	**Sample**
VialNumber	**2307**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.07	0.36	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	6.74	33.71	ug/l	3600	
Sb	121	115	1	0.06	0.32	ug/l	3600	
Sn	118	115	1	0.07	0.33	ug/l	3600	
Cd	111	115	1	0.03	0.15	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.12	0.62	ug/l	1800	
Sr	88	115	1	10.82	54.11	ug/l	900	
Se	78	74	1	-0.15	-0.75	ug/l	3600	
As	75	74	1	0.11	0.53	ug/l	3600	
Zn	66	45	1	2.68	13.38	ug/l	900	
Cu	63	45	1	5.60	28.02	ug/l	900	
Ni	60	45	1	4.63	23.16	ug/l	900	
Co	59	45	1	0.62	3.12	ug/l	1800	
Fe	56	45	1	78.05	390.27	ug/l	360000	
Mn	55	45	1	16.98	84.91	ug/l	18000	
Cr	52	45	1	2.17	10.87	ug/l	3600	
V	51	45	1	0.27	1.34	ug/l	3600	
Ti	47	45	1	0.04	0.21	ug/l	3600	
Ca	44	45	1	815.41	4077.04	ug/l	360000	
K	39	45	1	458.70	2293.51	ug/l	360000	
Al	27	45	1	15.70	78.48	ug/l	36000	
Mg	24	45	1	203.57	1017.84	ug/l	90000	
Na	23	45	1	8103.50	40517.48	ug/l	90000	
B	11	6	1	170.35	851.76	ug/l	7200	
Be	9	6	1	0.01	0.07	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	469992	0.81	475056	98.9	60	120	
Tb	159	1	510060	0.80	523937	97.4	60	120	
In	115	1	141888	0.73	150316	94.4	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
Ge	74	1	22961	1.26	24592	93.4	60	120	
Sc	45	1	205609	0.88	223565	92.0	60	120	
Li	6	1	50006	0.52	48998	102.1	60	120	

Sample Report

Sample Name	**460-59858-H-5-B@5**
Data File Name	**193SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:29:24-04:00**
Type	**Sample**
VialNumber	**2308**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.10	0.50	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	2.13	10.64	ug/l	3600	
Sb	121	115	1	0.04	0.20	ug/l	3600	
Sn	118	115	1	0.06	0.28	ug/l	3600	
Cd	111	115	1	0.03	0.17	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	2.80	14.02	ug/l	1800	
Sr	88	115	1	20.83	104.15	ug/l	900	
Se	78	74	1	-0.11	-0.57	ug/l	3600	
As	75	74	1	0.51	2.54	ug/l	3600	
Zn	66	45	1	-0.10	-0.51	ug/l	900	
Cu	63	45	1	1.88	9.40	ug/l	900	
Ni	60	45	1	2.46	12.29	ug/l	900	
Co	59	45	1	0.12	0.59	ug/l	1800	
Fe	56	45	1	254.18	1270.89	ug/l	360000	
Mn	55	45	1	25.83	129.16	ug/l	18000	
Cr	52	45	1	1.73	8.67	ug/l	3600	
V	51	45	1	0.44	2.22	ug/l	3600	
Ti	47	45	1	0.56	2.79	ug/l	3600	
Ca	44	45	1	1912.82	9564.10	ug/l	360000	
K	39	45	1	917.34	4586.70	ug/l	360000	
Al	27	45	1	147.31	736.56	ug/l	36000	
Mg	24	45	1	558.39	2791.96	ug/l	90000	
Na	23	45	1	17383.35	86916.73	ug/l	90000	
B	11	6	1	1376.46	6882.29	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	461083	1.16	475056	97.1	60	120	
Tb	159	1	505852	1.85	523937	96.5	60	120	
In	115	1	140420	1.82	150316	93.4	60	120	
Kr	83	1	9	94.38	12	72.7	-1000	1000	
Ge	74	1	23173	1.60	24592	94.2	60	120	
Sc	45	1	204435	2.48	223565	91.4	60	120	
Li	6	1	49317	1.35	48998	100.7	60	120	

Sample Report

Sample Name	**460-59858-H-6-B@5**
Data File Name	**194SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:33:30-04:00**
Type	**Sample**
VialNumber	**2309**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.33	1.66	ug/l	3600	
Tl	205	209	1	0.01	0.07	ug/l	720	
Ba	137	159	1	14.71	73.54	ug/l	3600	
Sb	121	115	1	0.04	0.21	ug/l	3600	
Sn	118	115	1	0.05	0.27	ug/l	3600	
Cd	111	115	1	0.11	0.53	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.36	1.79	ug/l	1800	
Sr	88	115	1	21.31	106.53	ug/l	900	
Se	78	74	1	0.04	0.22	ug/l	3600	
As	75	74	1	0.26	1.28	ug/l	3600	
Zn	66	45	1	0.62	3.08	ug/l	900	
Cu	63	45	1	2.03	10.13	ug/l	900	
Ni	60	45	1	4.59	22.97	ug/l	900	
Co	59	45	1	0.80	3.98	ug/l	1800	
Fe	56	45	1	201.32	1006.58	ug/l	360000	
Mn	55	45	1	37.94	189.72	ug/l	18000	
Cr	52	45	1	1.39	6.96	ug/l	3600	
V	51	45	1	0.44	2.21	ug/l	3600	
Ti	47	45	1	1.07	5.33	ug/l	3600	
Ca	44	45	1	1707.83	8539.17	ug/l	360000	
K	39	45	1	665.78	3328.89	ug/l	360000	
Al	27	45	1	160.76	803.81	ug/l	36000	
Mg	24	45	1	590.67	2953.34	ug/l	90000	
Na	23	45	1	11747.60	58738.00	ug/l	90000	
B	11	6	1	22.32	111.62	ug/l	7200	
Be	9	6	1	0.03	0.13	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	464902	0.59	475056	97.9	60	120	
Tb	159	1	508592	0.63	523937	97.1	60	120	
In	115	1	141224	1.26	150316	94.0	60	120	
Kr	83	1	4	43.40	12	36.4	-1000	1000	
Ge	74	1	23212	2.29	24592	94.4	60	120	
Sc	45	1	206714	1.01	223565	92.5	60	120	
Li	6	1	49496	0.50	48998	101.0	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**1956CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:37:34-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.27	6.84	ug/l	7363.43	0.97	50	100.5	90	110	
B	11	6	1	105.16	7.33	ug/l	5026.49	1.53	100	105.2	90	110	
Na	23	45	1	5500.32	6.43	ug/l	3662358.94	0.66	5000	110.0	90	110	6-CCV Main Failed
Mg	24	45	1	5460.09	6.60	ug/l	1867485.72	1.01	5000	109.2	90	110	
Al	27	45	1	521.88	5.46	ug/l	77132.75	1.14	500	104.4	90	110	
K	39	45	1	5403.35	6.84	ug/l	1223656.21	1.10	5000	108.1	90	110	
Ca	44	45	1	5305.16	5.70	ug/l	51372.18	0.48	5000	106.1	90	110	
Ti	47	45	1	51.51	8.95	ug/l	2909.25	2.84	50	103.0	90	110	
V	51	45	1	52.69	5.74	ug/l	80608.66	0.82	50	105.4	90	110	
Cr	52	45	1	53.10	5.80	ug/l	97657.75	0.38	50	106.2	90	110	
Mn	55	45	1	526.57	7.02	ug/l	573811.10	0.87	500	105.3	90	110	
Fe	56	45	1	5228.50	7.08	ug/l	7763438.70	0.91	5000	104.6	90	110	
Co	59	45	1	52.76	6.34	ug/l	136596.24	0.17	50	105.5	90	110	
Ni	60	45	1	52.61	6.38	ug/l	35716.67	0.20	50	105.2	90	110	
Cu	63	45	1	53.16	6.21	ug/l	94096.38	0.52	50	106.3	90	110	
Zn	66	45	1	53.85	7.73	ug/l	13731.95	1.84	50	107.7	90	110	
As	75	74	1	52.91	3.74	ug/l	7875.99	1.57	50	105.8	90	110	
Se	78	74	1	54.51	5.40	ug/l	711.69	0.77	50	109.0	90	110	
Sr	88	115	1	52.10	5.38	ug/l	52599.92	0.83	50	104.2	90	110	
Mo	95	115	1	51.67	6.34	ug/l	37805.98	2.18	50	103.3	90	110	
Ag	107	115	1	52.57	7.32	ug/l	122305.73	1.16	50	105.1	90	110	
Cd	111	115	1	52.74	8.31	ug/l	18199.19	2.07	50	105.5	90	110	
Sn	118	115	1	53.43	6.50	ug/l	40157.23	0.63	50	106.9	90	110	
Sb	121	115	1	53.39	7.59	ug/l	48204.22	1.44	50	106.8	90	110	
Ba	137	159	1	50.45	6.11	ug/l	18154.84	0.61	50	100.9	90	110	
Tl	205	209	1	10.69	6.10	ug/l	84366.59	0.39	10	106.9	90	110	
Pb	208	209	1	53.07	6.39	ug/l	559687.05	1.02	50	106.1	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	47424	5.94	48998	96.8	60	120	
Sc	45	1	199714	6.15	223565	89.3	60	120	
Ge	74	1	22377	5.20	24592	91.0	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
In	115	1	134671	6.13	150316	89.6	60	120	
Tb	159	1	482502	6.37	523937	92.1	60	120	
Bi	209	1	435632	5.64	475056	91.7	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**1966CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:41:36-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.03	90.35	ug/l	4.44	78.02	0.2	
B	11	6	1	5.06	11.18	ug/l	365.57	8.47	20	
Na	23	45	1	-2.88	-26.76	ug/l	34708.77	1.84	50	
Mg	24	45	1	1.15	10.62	ug/l	758.94	5.66	50	
Al	27	45	1	-1.52	-3.37	ug/l	601.13	1.31	10	
K	39	45	1	5.51	32.58	ug/l	36346.31	1.28	50	
Ca	44	45	1	-2.85	-13.44	ug/l	72.22	5.81	50	
Ti	47	45	1	0.02	153.73	ug/l	2.22	86.60	1	
V	51	45	1	0.02	85.77	ug/l	346.68	9.17	1	
Cr	52	45	1	0.03	132.81	ug/l	254.45	29.07	1	
Mn	55	45	1	0.36	11.02	ug/l	568.92	8.38	2	
Fe	56	45	1	1.12	10.10	ug/l	3731.06	5.00	30	
Co	59	45	1	0.02	43.69	ug/l	74.45	32.39	1	
Ni	60	45	1	-0.06	-10.91	ug/l	31.11	16.37	1	
Cu	63	45	1	-0.01	-222.87	ug/l	293.34	7.87	1	
Zn	66	45	1	-1.37	-3.78	ug/l	97.78	14.19	4	
As	75	74	1	0.07	79.18	ug/l	24.44	37.56	0.5	
Se	78	74	1	-0.09	-52.91	ug/l	6.39	9.96	0.5	
Sr	88	115	1	0.01	316.64	ug/l	32.22	66.51	1	
Mo	95	115	1	0.04	27.03	ug/l	42.22	19.87	1	
Ag	107	115	1	0.01	103.82	ug/l	30.00	72.86	1	
Cd	111	115	1	0.01	122.70	ug/l	5.55	69.34	0.5	
Sn	118	115	1	0.09	7.77	ug/l	83.33	6.93	4	
Sb	121	115	1	0.07	21.03	ug/l	81.11	17.11	0.5	
Ba	137	159	1	-0.01	-122.36	ug/l	6.67	50.03	1	
Tl	205	209	1	0.01	13.40	ug/l	96.67	12.43	0.2	
Pb	208	209	1	0.01	22.99	ug/l	268.90	8.26	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50790	2.29	48998	103.7	60	120	
Sc	45	1	215891	0.33	223565	96.6	60	120	
Ge	74	1	23849	0.80	24592	97.0	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
In	115	1	147740	0.11	150316	98.3	60	120	
Tb	159	1	519940	0.80	523937	99.2	60	120	
Bi	209	1	477177	0.87	475056	100.4	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-60190-A-4-A@5**
Data File Name	**197SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:45:41-04:00**
Type	**Sample**
VialNumber	**2401**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.00	0.02	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	16.46	82.29	ug/l	3600	
Sb	121	115	1	0.04	0.21	ug/l	3600	
Sn	118	115	1	0.03	0.14	ug/l	3600	
Cd	111	115	1	0.18	0.90	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.08	0.38	ug/l	1800	
Sr	88	115	1	71.38	356.90	ug/l	900	
Se	78	74	1	0.02	0.10	ug/l	3600	
As	75	74	1	0.07	0.33	ug/l	3600	
Zn	66	45	1	-0.62	-3.12	ug/l	900	
Cu	63	45	1	0.16	0.82	ug/l	900	
Ni	60	45	1	0.08	0.38	ug/l	900	
Co	59	45	1	0.03	0.13	ug/l	1800	
Fe	56	45	1	0.79	3.95	ug/l	360000	
Mn	55	45	1	0.52	2.59	ug/l	18000	
Cr	52	45	1	0.12	0.60	ug/l	3600	
V	51	45	1	0.19	0.97	ug/l	3600	
Ti	47	45	1	0.02	0.10	ug/l	3600	
Ca	44	45	1	16718.06	83590.32	ug/l	360000	
K	39	45	1	1114.62	5573.09	ug/l	360000	
Al	27	45	1	-0.53	-2.63	ug/l	36000	
Mg	24	45	1	2506.64	12533.18	ug/l	90000	
Na	23	45	1	8867.30	44336.50	ug/l	90000	
B	11	6	1	12.06	60.28	ug/l	7200	
Be	9	6	1	0.01	0.05	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	470055	0.47	475056	98.9	60	120	
Tb	159	1	518091	0.36	523937	98.9	60	120	
In	115	1	146284	0.51	150316	97.3	60	120	
Kr	83	1	13	25.01	12	109.1	-1000	1000	
Ge	74	1	24138	1.30	24592	98.2	60	120	
Sc	45	1	214918	1.16	223565	96.1	60	120	
Li	6	1	49813	0.60	48998	101.7	60	120	

Sample Report

Sample Name	**460-60190-A-6-A@5**
Data File Name	**198SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:49:47-04:00**
Type	**Sample**
VialNumber	**2402**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.00	0.00	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	-0.01	-0.04	ug/l	3600	
Sb	121	115	1	0.01	0.04	ug/l	3600	
Sn	118	115	1	0.01	0.05	ug/l	3600	
Cd	111	115	1	0.00	0.01	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.01	0.04	ug/l	1800	
Sr	88	115	1	0.00	0.01	ug/l	900	
Se	78	74	1	-0.11	-0.53	ug/l	3600	
As	75	74	1	-0.01	-0.03	ug/l	3600	
Zn	66	45	1	-0.91	-4.55	ug/l	900	
Cu	63	45	1	-0.01	-0.04	ug/l	900	
Ni	60	45	1	-0.06	-0.29	ug/l	900	
Co	59	45	1	0.01	0.06	ug/l	1800	
Fe	56	45	1	-0.04	-0.18	ug/l	360000	
Mn	55	45	1	0.20	1.02	ug/l	18000	
Cr	52	45	1	0.00	0.01	ug/l	3600	
V	51	45	1	0.00	-0.02	ug/l	3600	
Ti	47	45	1	0.00	0.01	ug/l	3600	
Ca	44	45	1	0.46	2.28	ug/l	360000	
K	39	45	1	4.49	22.44	ug/l	360000	
Al	27	45	1	-1.00	-5.02	ug/l	36000	
Mg	24	45	1	0.43	2.15	ug/l	90000	
Na	23	45	1	-2.58	-12.88	ug/l	90000	
B	11	6	1	4.25	21.27	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	471412	0.79	475056	99.2	60	120	
Tb	159	1	518125	0.74	523937	98.9	60	120	
In	115	1	146815	0.14	150316	97.7	60	120	
Kr	83	1	10	0.00	12	81.8	-1000	1000	
Ge	74	1	23942	0.21	24592	97.4	60	120	
Sc	45	1	215562	0.70	223565	96.4	60	120	
Li	6	1	50245	1.03	48998	102.5	60	120	

Sample Report

Sample Name	**460-60176-D-5-B@5**
Data File Name	**199SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:53:52-04:00**
Type	**Sample**
VialNumber	**2403**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.10	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	7.87	39.33	ug/l	3600	
Sb	121	115	1	0.08	0.39	ug/l	3600	
Sn	118	115	1	0.03	0.14	ug/l	3600	
Cd	111	115	1	0.01	0.06	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	2.61	13.03	ug/l	1800	
Sr	88	115	1	73.39	366.95	ug/l	900	
Se	78	74	1	1.99	9.94	ug/l	3600	
As	75	74	1	0.03	0.17	ug/l	3600	
Zn	66	45	1	-0.49	-2.44	ug/l	900	
Cu	63	45	1	0.18	0.89	ug/l	900	
Ni	60	45	1	0.57	2.84	ug/l	900	
Co	59	45	1	0.33	1.65	ug/l	1800	
Fe	56	45	1	0.49	2.44	ug/l	360000	
Mn	55	45	1	52.73	263.65	ug/l	18000	
Cr	52	45	1	0.28	1.41	ug/l	3600	
V	51	45	1	1.15	5.76	ug/l	3600	
Ti	47	45	1	0.09	0.46	ug/l	3600	
Ca	44	45	1	12782.25	63911.26	ug/l	360000	
K	39	45	1	2359.43	11797.14	ug/l	360000	
Al	27	45	1	-0.21	-1.03	ug/l	36000	
Mg	24	45	1	4540.89	22704.43	ug/l	90000	
Na	23	45	1	14232.59	71162.97	ug/l	90000	
B	11	6	1	27.52	137.61	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	462070	0.51	475056	97.3	60	120	
Tb	159	1	517091	0.67	523937	98.7	60	120	
In	115	1	145689	0.59	150316	96.9	60	120	
Kr	83	1	13	#VALUE!	12	109.1	-1000	1000	
Ge	74	1	24242	0.59	24592	98.6	60	120	
Sc	45	1	215950	0.75	223565	96.6	60	120	
Li	6	1	49356	0.76	48998	100.7	60	120	

Sample Report

Sample Name	**460-60176-D-6-B@5**
Data File Name	**200SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T04:57:57-04:00**
Type	**Sample**
VialNumber	**2404**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.03	0.16	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	11.32	56.58	ug/l	3600	
Sb	121	115	1	0.10	0.49	ug/l	3600	
Sn	118	115	1	0.03	0.14	ug/l	3600	
Cd	111	115	1	0.00	-0.02	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	1.04	5.18	ug/l	1800	
Sr	88	115	1	69.34	346.71	ug/l	900	
Se	78	74	1	0.15	0.75	ug/l	3600	
As	75	74	1	0.18	0.91	ug/l	3600	
Zn	66	45	1	-1.13	-5.65	ug/l	900	
Cu	63	45	1	0.08	0.41	ug/l	900	
Ni	60	45	1	0.17	0.86	ug/l	900	
Co	59	45	1	0.07	0.33	ug/l	1800	
Fe	56	45	1	0.19	0.94	ug/l	360000	
Mn	55	45	1	20.12	100.60	ug/l	18000	
Cr	52	45	1	0.03	0.13	ug/l	3600	
V	51	45	1	0.42	2.08	ug/l	3600	
Ti	47	45	1	0.06	0.28	ug/l	3600	
Ca	44	45	1	13149.71	65748.54	ug/l	360000	
K	39	45	1	2078.75	10393.77	ug/l	360000	
Al	27	45	1	0.03	0.16	ug/l	36000	
Mg	24	45	1	4275.15	21375.77	ug/l	90000	
Na	23	45	1	6626.61	33133.07	ug/l	90000	
B	11	6	1	22.79	113.95	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	461936	0.51	475056	97.2	60	120	
Tb	159	1	510086	0.30	523937	97.4	60	120	
In	115	1	146076	0.56	150316	97.2	60	120	
Kr	83	1	16	24.76	12	127.2	-1000	1000	
Ge	74	1	24063	1.03	24592	97.8	60	120	
Sc	45	1	215238	0.27	223565	96.3	60	120	
Li	6	1	49395	0.38	48998	100.8	60	120	

Sample Report

Sample Name	**460-60176-D-7-B@5**
Data File Name	**201SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:02:01-04:00**
Type	**Sample**
VialNumber	**2405**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.12	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	14.75	73.73	ug/l	3600	
Sb	121	115	1	0.01	0.04	ug/l	3600	
Sn	118	115	1	0.03	0.14	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.29	1.44	ug/l	1800	
Sr	88	115	1	55.15	275.76	ug/l	900	
Se	78	74	1	0.03	0.17	ug/l	3600	
As	75	74	1	0.12	0.61	ug/l	3600	
Zn	66	45	1	-0.78	-3.90	ug/l	900	
Cu	63	45	1	0.01	0.04	ug/l	900	
Ni	60	45	1	0.34	1.72	ug/l	900	
Co	59	45	1	2.84	14.19	ug/l	1800	
Fe	56	45	1	187.71	938.53	ug/l	360000	
Mn	55	45	1	270.90	1354.51	ug/l	18000	
Cr	52	45	1	0.06	0.28	ug/l	3600	
V	51	45	1	0.02	0.11	ug/l	3600	
Ti	47	45	1	-0.02	-0.08	ug/l	3600	
Ca	44	45	1	8071.00	40355.01	ug/l	360000	
K	39	45	1	1302.72	6513.58	ug/l	360000	
Al	27	45	1	-0.46	-2.32	ug/l	36000	
Mg	24	45	1	3815.45	19077.24	ug/l	90000	
Na	23	45	1	7022.77	35113.85	ug/l	90000	
B	11	6	1	14.56	72.81	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	461529	0.99	475056	97.2	60	120	
Tb	159	1	512858	0.80	523937	97.9	60	120	
In	115	1	145809	1.28	150316	97.0	60	120	
Kr	83	1	11	17.30	12	90.9	-1000	1000	
Ge	74	1	24052	2.03	24592	97.8	60	120	
Sc	45	1	214499	0.24	223565	95.9	60	120	
Li	6	1	49479	0.93	48998	101.0	60	120	

Sample Report

Sample Name	**LCSSRM 460-173368/2-A@100**
Data File Name	**202SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:06:07-04:00**
Type	**Sample**
VialNumber	**2406**
Dilution	**100**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	15.82	1581.68	ug/l	3600	
Tl	205	209	1	42.88	4288.39	ug/l	720	
Ba	137	159	1	41.77	4177.42	ug/l	3600	
Sb	121	115	1	45.89	4588.66	ug/l	3600	
Sn	118	115	1	31.50	3149.70	ug/l	3600	
Cd	111	115	1	21.95	2195.12	ug/l	3600	
Ag	107	115	1	8.92	892.11	ug/l	180	
Mo	95	115	1	14.11	1410.83	ug/l	1800	
Sr	88	115	1	27.93	2792.50	ug/l	900	
Se	78	74	1	25.99	2598.55	ug/l	3600	
As	75	74	1	35.05	3504.58	ug/l	3600	
Zn	66	45	1	58.76	5876.31	ug/l	900	
Cu	63	45	1	24.77	2477.39	ug/l	900	
Ni	60	45	1	14.81	1481.27	ug/l	900	
Co	59	45	1	28.20	2820.25	ug/l	1800	
Fe	56	45	1	2743.96	274395.98	ug/l	360000	
Mn	55	45	1	72.45	7244.97	ug/l	18000	
Cr	52	45	1	25.17	2516.75	ug/l	3600	
V	51	45	1	18.36	1836.02	ug/l	3600	
Ti	47	45	1	42.95	4295.05	ug/l	3600	
Ca	44	45	1	1548.12	154812.02	ug/l	360000	
K	39	45	1	621.36	62136.14	ug/l	360000	
Al	27	45	1	1647.31	164731.26	ug/l	36000	
Mg	24	45	1	581.25	58125.09	ug/l	90000	
Na	23	45	1	71.73	7172.73	ug/l	90000	
B	11	6	1	20.14	2013.59	ug/l	7200	
Be	9	6	1	22.05	2205.09	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	471519	0.84	475056	99.3	60	120	
Tb	159	1	516631	1.40	523937	98.6	60	120	
In	115	1	145329	0.74	150316	96.7	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
Ge	74	1	24384	0.45	24592	99.2	60	120	
Sc	45	1	218761	1.00	223565	97.9	60	120	
Li	6	1	51005	1.12	48998	104.1	60	120	

Sample Report

Sample Name	**460-60034-A-4-A@5**
Data File Name	**203SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:10:11-04:00**
Type	**Sample**
VialNumber	**2407**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	2.23	11.16	ug/l	3600	
Tl	205	209	1	0.16	0.78	ug/l	720	
Ba	137	159	1	25.92	129.59	ug/l	3600	
Sb	121	115	1	0.38	1.90	ug/l	3600	
Sn	118	115	1	0.38	1.92	ug/l	3600	
Cd	111	115	1	0.03	0.17	ug/l	3600	
Ag	107	115	1	0.15	0.76	ug/l	180	
Mo	95	115	1	1.27	6.34	ug/l	1800	
Sr	88	115	1	92.82	464.12	ug/l	900	
Se	78	74	1	0.11	0.55	ug/l	3600	
As	75	74	1	0.37	1.84	ug/l	3600	
Zn	66	45	1	32.28	161.39	ug/l	900	
Cu	63	45	1	8.98	44.88	ug/l	900	
Ni	60	45	1	3.09	15.44	ug/l	900	
Co	59	45	1	0.17	0.87	ug/l	1800	
Fe	56	45	1	227.52	1137.59	ug/l	360000	
Mn	55	45	1	43.87	219.35	ug/l	18000	
Cr	52	45	1	1.11	5.53	ug/l	3600	
V	51	45	1	0.63	3.16	ug/l	3600	
Ti	47	45	1	1.43	7.17	ug/l	3600	
Ca	44	45	1	19588.57	97942.87	ug/l	360000	
K	39	45	1	4940.67	24703.36	ug/l	360000	
Al	27	45	1	72.54	362.71	ug/l	36000	
Mg	24	45	1	6413.56	32067.78	ug/l	90000	
Na	23	45	1	59498.78	297493.92	ug/l	90000	
B	11	6	1	71.65	358.26	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	440614	0.55	475056	92.7	60	120	
Tb	159	1	503304	0.84	523937	96.1	60	120	
In	115	1	140318	0.40	150316	93.3	60	120	
Kr	83	1	8	99.04	12	63.6	-1000	1000	
Ge	74	1	23330	1.62	24592	94.9	60	120	
Sc	45	1	208348	0.90	223565	93.2	60	120	
Li	6	1	48198	0.20	48998	98.4	60	120	

Sample Report

Sample Name	**460-59952-H-3-B@5**
Data File Name	**204SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:14:18-04:00**
Type	**Sample**
VialNumber	**2408**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.03	0.14	ug/l	3600	
Tl	205	209	1	0.05	0.27	ug/l	720	
Ba	137	159	1	1.09	5.44	ug/l	3600	
Sb	121	115	1	0.08	0.38	ug/l	3600	
Sn	118	115	1	0.12	0.59	ug/l	3600	
Cd	111	115	1	0.19	0.96	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.80	4.00	ug/l	1800	
Sr	88	115	1	21.05	105.24	ug/l	900	
Se	78	74	1	0.39	1.96	ug/l	3600	
As	75	74	1	0.36	1.78	ug/l	3600	
Zn	66	45	1	56.72	283.60	ug/l	900	
Cu	63	45	1	1.34	6.70	ug/l	900	
Ni	60	45	1	3.03	15.13	ug/l	900	
Co	59	45	1	0.09	0.44	ug/l	1800	
Fe	56	45	1	465.02	2325.09	ug/l	360000	
Mn	55	45	1	1.64	8.18	ug/l	18000	
Cr	52	45	1	77.85	389.23	ug/l	3600	
V	51	45	1	1.21	6.06	ug/l	3600	
Ti	47	45	1	0.18	0.88	ug/l	3600	
Ca	44	45	1	2770.73	13853.64	ug/l	360000	
K	39	45	1	414.31	2071.54	ug/l	360000	
Al	27	45	1	22.51	112.56	ug/l	36000	
Mg	24	45	1	474.53	2372.66	ug/l	90000	
Na	23	45	1	732.60	3663.01	ug/l	90000	
B	11	6	1	33.92	169.62	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	457425	4.05	475056	96.3	60	120	
Tb	159	1	496303	3.75	523937	94.7	60	120	
In	115	1	139357	4.48	150316	92.7	60	120	
Kr	83	1	14	35.26	12	118.2	-1000	1000	
Ge	74	1	23049	3.61	24592	93.7	60	120	
Sc	45	1	202867	5.39	223565	90.7	60	120	
Li	6	1	48183	3.79	48998	98.3	60	120	

Sample Report

Sample Name	**460-60029-A-4-A@5**
Data File Name	**205SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:18:24-04:00**
Type	**Sample**
VialNumber	**2409**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.20	1.02	ug/l	3600	
Tl	205	209	1	0.03	0.15	ug/l	720	
Ba	137	159	1	19.33	96.65	ug/l	3600	
Sb	121	115	1	0.34	1.70	ug/l	3600	
Sn	118	115	1	0.11	0.56	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	1.03	5.13	ug/l	1800	
Sr	88	115	1	97.66	488.31	ug/l	900	
Se	78	74	1	0.07	0.33	ug/l	3600	
As	75	74	1	0.41	2.06	ug/l	3600	
Zn	66	45	1	17.75	88.74	ug/l	900	
Cu	63	45	1	0.91	4.56	ug/l	900	
Ni	60	45	1	2.73	13.65	ug/l	900	
Co	59	45	1	0.08	0.40	ug/l	1800	
Fe	56	45	1	24.66	123.28	ug/l	360000	
Mn	55	45	1	11.62	58.08	ug/l	18000	
Cr	52	45	1	0.25	1.27	ug/l	3600	
V	51	45	1	0.44	2.22	ug/l	3600	
Ti	47	45	1	0.17	0.86	ug/l	3600	
Ca	44	45	1	20440.75	102203.75	ug/l	360000	
K	39	45	1	4911.06	24555.30	ug/l	360000	
Al	27	45	1	4.42	22.12	ug/l	36000	
Mg	24	45	1	6590.38	32951.89	ug/l	90000	
Na	23	45	1	63664.23	318321.13	ug/l	90000	
B	11	6	1	78.41	392.04	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	438811	0.25	475056	92.4	60	120	
Tb	159	1	503544	0.49	523937	96.1	60	120	
In	115	1	139020	0.78	150316	92.5	60	120	
Kr	83	1	11	69.25	12	90.9	-1000	1000	
Ge	74	1	23132	0.29	24592	94.1	60	120	
Sc	45	1	209207	0.54	223565	93.6	60	120	
Li	6	1	47659	1.01	48998	97.3	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2066CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:22:29-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.72	2.05	ug/l	7292.83	1.72	50	97.4	90	110	
B	11	6	1	98.96	3.02	ug/l	4840.86	2.90	100	99.0	90	110	
Na	23	45	1	5146.60	1.46	ug/l	3618462.03	0.76	5000	102.9	90	110	
Mg	24	45	1	5136.78	2.17	ug/l	1853990.82	1.00	5000	102.7	90	110	
Al	27	45	1	494.79	1.92	ug/l	77176.24	0.71	500	99.0	90	110	
K	39	45	1	5096.07	2.06	ug/l	1219820.21	0.97	5000	101.9	90	110	
Ca	44	45	1	5011.69	2.29	ug/l	51198.34	0.44	5000	100.2	90	110	
Ti	47	45	1	49.95	7.64	ug/l	2978.15	6.06	50	99.9	90	110	
V	51	45	1	49.65	2.11	ug/l	80148.12	0.25	50	99.3	90	110	
Cr	52	45	1	50.02	1.75	ug/l	97075.53	0.15	50	100.0	90	110	
Mn	55	45	1	495.31	2.37	ug/l	569663.02	0.52	500	99.1	90	110	
Fe	56	45	1	4955.68	2.02	ug/l	7766800.23	0.31	5000	99.1	90	110	
Co	59	45	1	49.77	2.02	ug/l	135953.65	0.55	50	99.5	90	110	
Ni	60	45	1	49.50	1.56	ug/l	35467.13	0.33	50	99.0	90	110	
Cu	63	45	1	50.39	1.60	ug/l	94134.27	0.50	50	100.8	90	110	
Zn	66	45	1	50.84	2.80	ug/l	13711.90	1.53	50	101.7	90	110	
As	75	74	1	49.88	1.71	ug/l	7800.94	1.54	50	99.8	90	110	
Se	78	74	1	48.92	4.63	ug/l	671.82	3.24	50	97.8	90	110	
Sr	88	115	1	49.23	1.40	ug/l	52276.70	1.48	50	98.5	90	110	
Mo	95	115	1	48.95	1.60	ug/l	37669.00	0.82	50	97.9	90	110	
Ag	107	115	1	49.55	0.91	ug/l	121337.56	0.43	50	99.1	90	110	
Cd	111	115	1	50.25	0.07	ug/l	18255.88	0.79	50	100.5	90	110	
Sn	118	115	1	49.99	1.34	ug/l	39532.13	0.65	50	100.0	90	110	
Sb	121	115	1	50.09	1.20	ug/l	47605.57	0.97	50	100.2	90	110	
Ba	137	159	1	48.22	2.34	ug/l	18142.63	1.66	50	96.4	90	110	
Tl	205	209	1	10.11	1.31	ug/l	83220.93	1.09	10	101.1	90	110	
Pb	208	209	1	49.93	0.61	ug/l	549320.02	0.24	50	99.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	48338	0.44	48998	98.7	60	120	
Sc	45	1	210237	1.84	223565	94.0	60	120	
Ge	74	1	23481	1.33	24592	95.5	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
In	115	1	141323	0.81	150316	94.0	60	120	
Tb	159	1	503284	1.27	523937	96.1	60	120	
Bi	209	1	453376	0.55	475056	95.4	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2076CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:26:30-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	59.84	ug/l	3.33	49.95	0.2	
B	11	6	1	1.62	57.10	ug/l	188.90	24.02	20	
Na	23	45	1	0.28	395.59	ug/l	36608.54	1.24	50	
Mg	24	45	1	1.06	6.22	ug/l	717.82	2.19	50	
Al	27	45	1	-1.29	-14.95	ug/l	631.13	3.60	10	
K	39	45	1	4.68	63.36	ug/l	35791.74	0.81	50	
Ca	44	45	1	-1.97	-72.00	ug/l	80.56	17.59	50	
Ti	47	45	1	0.02	152.73	ug/l	2.22	86.60	1	
V	51	45	1	0.02	106.60	ug/l	344.46	11.83	1	
Cr	52	45	1	0.05	61.54	ug/l	290.01	20.69	1	
Mn	55	45	1	0.34	19.45	ug/l	538.92	15.47	2	
Fe	56	45	1	1.24	0.21	ug/l	3896.65	1.13	30	
Co	59	45	1	0.03	31.37	ug/l	88.89	23.82	1	
Ni	60	45	1	-0.05	-22.61	ug/l	42.22	19.87	1	
Cu	63	45	1	0.01	241.60	ug/l	325.57	17.98	1	
Zn	66	45	1	-1.35	-3.87	ug/l	103.34	14.06	4	
As	75	74	1	0.03	195.96	ug/l	17.22	53.31	0.5	
Se	78	74	1	0.09	86.85	ug/l	8.89	11.78	0.5	
Sr	88	115	1	0.01	47.83	ug/l	40.00	16.68	1	
Mo	95	115	1	0.04	57.24	ug/l	40.00	41.68	1	
Ag	107	115	1	0.01	36.65	ug/l	45.56	30.47	1	
Cd	111	115	1	0.01	219.76	ug/l	5.55	124.93	0.5	
Sn	118	115	1	0.08	24.48	ug/l	77.78	21.99	4	
Sb	121	115	1	0.06	19.75	ug/l	77.78	15.05	0.5	
Ba	137	159	1	0.01	83.66	ug/l	13.33	25.01	1	
Tl	205	209	1	0.02	10.43	ug/l	210.01	9.52	0.2	
Pb	208	209	1	0.01	14.23	ug/l	275.56	4.89	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49878	0.56	48998	101.8	60	120	
Sc	45	1	213795	1.19	223565	95.6	60	120	
Ge	74	1	23670	0.82	24592	96.3	60	120	
Kr	83	1	11	17.30	12	90.9	-1000	1000	
In	115	1	145942	1.16	150316	97.1	60	120	
Tb	159	1	513254	0.14	523937	98.0	60	120	
Bi	209	1	467908	0.54	475056	98.5	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**MB 460-173047/1-A@5**
Data File Name	**2086CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:30:35-04:00**
Type	**6-CCB**
VialNumber	**2501**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	28066.82	ug/l	0.56	173.21	0.2	
B	11	6	1	1.51	177.27	ug/l	184.45	14.50	20	
Na	23	45	1	2.91	102.89	ug/l	37969.47	0.31	50	
Mg	24	45	1	0.26	65.84	ug/l	418.91	1.66	50	
Al	27	45	1	1.31	191.05	ug/l	1024.49	7.30	10	
K	39	45	1	7.58	199.00	ug/l	36002.17	0.97	50	
Ca	44	45	1	5.34	79.46	ug/l	154.45	6.32	50	
Ti	47	45	1	0.02	1504.89	ug/l	2.22	173.21	1	
V	51	45	1	0.08	240.68	ug/l	423.35	13.93	1	
Cr	52	45	1	0.02	332.49	ug/l	238.90	11.28	1	
Mn	55	45	1	0.23	59.79	ug/l	406.68	6.71	2	
Fe	56	45	1	0.11	126.63	ug/l	2060.73	1.54	30	
Co	59	45	1	0.02	191.99	ug/l	64.45	28.49	1	
Ni	60	45	1	-0.02	-364.45	ug/l	60.01	19.24	1	
Cu	63	45	1	0.04	231.46	ug/l	366.68	10.25	1	
Zn	66	45	1	-1.25	-22.32	ug/l	127.78	12.87	4	
As	75	74	1	0.01	4282.94	ug/l	13.89	93.22	0.5	
Se	78	74	1	-0.10	-963.98	ug/l	6.25	40.60	0.5	
Sr	88	115	1	0.03	144.58	ug/l	53.34	16.54	1	
Mo	95	115	1	0.01	130.78	ug/l	17.78	10.81	1	
Ag	107	115	1	0.00	-238.38	ug/l	4.44	43.40	1	
Cd	111	115	1	0.01	470.63	ug/l	4.44	43.40	0.5	
Sn	118	115	1	0.04	170.69	ug/l	45.56	27.70	4	
Sb	121	115	1	0.01	344.77	ug/l	26.67	33.08	0.5	
Ba	137	159	1	0.02	596.05	ug/l	17.78	57.27	1	
Tl	205	209	1	0.01	86.40	ug/l	118.89	16.90	0.2	
Pb	208	209	1	0.01	435.80	ug/l	231.12	23.45	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50023	0.56	48998	102.1	60	120	
Sc	45	1	211018	1.40	223565	94.4	60	120	
Ge	74	1	23420	0.72	24592	95.2	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
In	115	1	143001	1.33	150316	95.1	60	120	
Tb	159	1	507501	1.34	523937	96.9	60	120	
Bi	209	1	460447	1.70	475056	96.9	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**LCS 460-173047/2-A@5**
Data File Name	**209SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:34:40-04:00**
Type	**Sample**
VialNumber	**2502**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.00	25.00	ug/l	3600	
Tl	205	209	1	3.83	19.13	ug/l	720	
Ba	137	159	1	9.41	47.04	ug/l	3600	
Sb	121	115	1	5.04	25.22	ug/l	3600	
Sn	118	115	1	10.17	50.86	ug/l	3600	
Cd	111	115	1	4.82	24.10	ug/l	3600	
Ag	107	115	1	5.06	25.31	ug/l	180	
Mo	95	115	1	9.30	46.49	ug/l	1800	
Sr	88	115	1	9.72	48.59	ug/l	900	
Se	78	74	1	9.98	49.92	ug/l	3600	
As	75	74	1	10.27	51.34	ug/l	3600	
Zn	66	45	1	49.58	247.92	ug/l	900	
Cu	63	45	1	10.00	50.01	ug/l	900	
Ni	60	45	1	10.02	50.09	ug/l	900	
Co	59	45	1	4.91	24.53	ug/l	1800	
Fe	56	45	1	510.03	2550.16	ug/l	360000	
Mn	55	45	1	49.35	246.76	ug/l	18000	
Cr	52	45	1	9.77	48.83	ug/l	3600	
V	51	45	1	10.01	50.06	ug/l	3600	
Ti	47	45	1	9.74	48.71	ug/l	3600	
Ca	44	45	1	503.18	2515.90	ug/l	360000	
K	39	45	1	512.36	2561.79	ug/l	360000	
Al	27	45	1	488.73	2443.65	ug/l	36000	
Mg	24	45	1	523.12	2615.62	ug/l	90000	
Na	23	45	1	522.49	2612.47	ug/l	90000	
B	11	6	1	95.52	477.60	ug/l	7200	
Be	9	6	1	4.66	23.32	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	465605	0.81	475056	98.0	60	120	
Tb	159	1	514440	0.48	523937	98.2	60	120	
In	115	1	143769	0.17	150316	95.6	60	120	
Kr	83	1	11	17.30	12	90.9	-1000	1000	
Ge	74	1	23525	0.71	24592	95.7	60	120	
Sc	45	1	213933	0.12	223565	95.7	60	120	
Li	6	1	50562	0.94	48998	103.2	60	120	

Sample Report

Sample Name	**PDS 460-60113-D-7-A@5**
Data File Name	**210SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:38:45-04:00**
Type	**Sample**
VialNumber	**2503**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.34	26.69	ug/l	3600	
Tl	205	209	1	3.98	19.90	ug/l	720	
Ba	137	159	1	15.10	75.50	ug/l	3600	
Sb	121	115	1	5.05	25.24	ug/l	3600	
Sn	118	115	1	10.16	50.80	ug/l	3600	
Cd	111	115	1	5.18	25.88	ug/l	3600	
Ag	107	115	1	4.81	24.03	ug/l	180	
Mo	95	115	1	9.87	49.33	ug/l	1800	
Sr	88	115	1	239.23	1196.16	ug/l	900	
Se	78	74	1	11.41	57.03	ug/l	3600	
As	75	74	1	10.69	53.44	ug/l	3600	
Zn	66	45	1	59.32	296.60	ug/l	900	
Cu	63	45	1	10.49	52.43	ug/l	900	
Ni	60	45	1	21.60	108.01	ug/l	900	
Co	59	45	1	12.88	64.40	ug/l	1800	
Fe	56	45	1	37449.67	187248.33	ug/l	360000	
Mn	55	45	1	6276.19	31380.96	ug/l	18000	
Cr	52	45	1	12.37	61.84	ug/l	3600	
V	51	45	1	10.40	51.99	ug/l	3600	
Ti	47	45	1	10.01	50.05	ug/l	3600	
Ca	44	45	1	69891.77	349458.83	ug/l	360000	
K	39	45	1	3293.28	16466.41	ug/l	360000	
Al	27	45	1	998.96	4994.80	ug/l	36000	
Mg	24	45	1	20302.21	101511.04	ug/l	90000	
Na	23	45	1	14687.82	73439.09	ug/l	90000	
B	11	6	1	163.81	819.03	ug/l	7200	
Be	9	6	1	5.33	26.67	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	442567	2.04	475056	93.2	60	120	
Tb	159	1	504256	2.59	523937	96.2	60	120	
In	115	1	136726	1.93	150316	91.0	60	120	
Kr	83	1	12	56.76	12	100.0	-1000	1000	
Ge	74	1	22668	2.68	24592	92.2	60	120	
Sc	45	1	203533	2.21	223565	91.0	60	120	
Li	6	1	48825	1.60	48998	99.6	60	120	

Sample Report

Sample Name	**460-60113-D-7-B MS@5**
Data File Name	**211SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:42:47-04:00**
Type	**Sample**
VialNumber	**2504**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.39	26.94	ug/l	3600	
Tl	205	209	1	3.90	19.49	ug/l	720	
Ba	137	159	1	15.25	76.24	ug/l	3600	
Sb	121	115	1	5.19	25.94	ug/l	3600	
Sn	118	115	1	10.41	52.04	ug/l	3600	
Cd	111	115	1	5.47	27.36	ug/l	3600	
Ag	107	115	1	4.89	24.47	ug/l	180	
Mo	95	115	1	9.91	49.57	ug/l	1800	
Sr	88	115	1	233.99	1169.94	ug/l	900	
Se	78	74	1	6.20	30.98	ug/l	3600	
As	75	74	1	10.89	54.45	ug/l	3600	
Zn	66	45	1	59.63	298.14	ug/l	900	
Cu	63	45	1	10.86	54.32	ug/l	900	
Ni	60	45	1	21.54	107.72	ug/l	900	
Co	59	45	1	12.75	63.73	ug/l	1800	
Fe	56	45	1	37245.79	186228.94	ug/l	360000	
Mn	55	45	1	6216.65	31083.24	ug/l	18000	
Cr	52	45	1	12.51	62.53	ug/l	3600	
V	51	45	1	10.43	52.14	ug/l	3600	
Ti	47	45	1	9.64	48.18	ug/l	3600	
Ca	44	45	1	68861.09	344305.45	ug/l	360000	
K	39	45	1	3252.81	16264.03	ug/l	360000	
Al	27	45	1	997.13	4985.67	ug/l	36000	
Mg	24	45	1	20270.40	101352.00	ug/l	90000	
Na	23	45	1	14719.44	73597.18	ug/l	90000	
B	11	6	1	160.66	803.30	ug/l	7200	
Be	9	6	1	5.15	25.74	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	454992	0.86	475056	95.8	60	120	
Tb	159	1	517347	0.88	523937	98.7	60	120	
In	115	1	140757	0.58	150316	93.6	60	120	
Kr	83	1	23	51.52	12	190.9	-1000	1000	
Ge	74	1	23083	0.90	24592	93.9	60	120	
Sc	45	1	208270	0.64	223565	93.2	60	120	
Li	6	1	50332	0.77	48998	102.7	60	120	

Sample Report

Sample Name	**460-60113-A-7-A DU@5**
Data File Name	**212SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:46:48-04:00**
Type	**Sample**
VialNumber	**2505**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.35	1.76	ug/l	3600	
Tl	205	209	1	0.05	0.23	ug/l	720	
Ba	137	159	1	6.04	30.21	ug/l	3600	
Sb	121	115	1	0.05	0.23	ug/l	3600	
Sn	118	115	1	0.10	0.52	ug/l	3600	
Cd	111	115	1	0.10	0.49	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.04	0.22	ug/l	1800	
Sr	88	115	1	229.94	1149.72	ug/l	900	
Se	78	74	1	0.74	3.72	ug/l	3600	
As	75	74	1	0.44	2.19	ug/l	3600	
Zn	66	45	1	10.47	52.36	ug/l	900	
Cu	63	45	1	0.99	4.94	ug/l	900	
Ni	60	45	1	12.36	61.82	ug/l	900	
Co	59	45	1	8.30	41.49	ug/l	1800	
Fe	56	45	1	37754.98	188774.90	ug/l	360000	
Mn	55	45	1	6329.52	31647.58	ug/l	18000	
Cr	52	45	1	2.71	13.57	ug/l	3600	
V	51	45	1	0.36	1.81	ug/l	3600	
Ti	47	45	1	0.27	1.34	ug/l	3600	
Ca	44	45	1	70725.43	353627.17	ug/l	360000	
K	39	45	1	2840.98	14204.88	ug/l	360000	
Al	27	45	1	530.70	2653.51	ug/l	36000	
Mg	24	45	1	20316.22	101581.10	ug/l	90000	
Na	23	45	1	14687.53	73437.66	ug/l	90000	
B	11	6	1	65.23	326.16	ug/l	7200	
Be	9	6	1	0.40	2.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	456661	0.43	475056	96.1	60	120	
Tb	159	1	519939	0.83	523937	99.2	60	120	
In	115	1	140780	0.56	150316	93.7	60	120	
Kr	83	1	17	52.93	12	136.4	-1000	1000	
Ge	74	1	23279	0.28	24592	94.7	60	120	
Sc	45	1	207709	0.84	223565	92.9	60	120	
Li	6	1	51075	0.92	48998	104.2	60	120	

Sample Report

Sample Name	**460-60113-D-7-A@5**
Data File Name	**213SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:50:50-04:00**
Type	**Sample**
VialNumber	**2506**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.33	1.66	ug/l	3600	
Tl	205	209	1	0.02	0.10	ug/l	720	
Ba	137	159	1	5.84	29.21	ug/l	3600	
Sb	121	115	1	0.04	0.19	ug/l	3600	
Sn	118	115	1	0.06	0.30	ug/l	3600	
Cd	111	115	1	0.09	0.46	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.04	0.19	ug/l	1800	
Sr	88	115	1	221.89	1109.47	ug/l	900	
Se	78	74	1	0.85	4.25	ug/l	3600	
As	75	74	1	0.42	2.09	ug/l	3600	
Zn	66	45	1	9.45	47.26	ug/l	900	
Cu	63	45	1	0.97	4.86	ug/l	900	
Ni	60	45	1	11.69	58.43	ug/l	900	
Co	59	45	1	7.99	39.94	ug/l	1800	
Fe	56	45	1	36289.12	181445.58	ug/l	360000	
Mn	55	45	1	6097.62	30488.08	ug/l	18000	
Cr	52	45	1	2.65	13.27	ug/l	3600	
V	51	45	1	0.38	1.90	ug/l	3600	
Ti	47	45	1	0.14	0.68	ug/l	3600	
Ca	44	45	1	68032.23	340161.17	ug/l	360000	
K	39	45	1	2710.01	13550.04	ug/l	360000	
Al	27	45	1	502.13	2510.67	ug/l	36000	
Mg	24	45	1	19521.12	97605.62	ug/l	90000	
Na	23	45	1	14036.64	70183.18	ug/l	90000	
B	11	6	1	61.77	308.84	ug/l	7200	
Be	9	6	1	0.42	2.09	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460236	0.48	475056	96.9	60	120	
Tb	159	1	521969	0.25	523937	99.6	60	120	
In	115	1	141431	0.52	150316	94.1	60	120	
Kr	83	1	16	44.60	12	127.2	-1000	1000	
Ge	74	1	23041	0.70	24592	93.7	60	120	
Sc	45	1	208899	1.54	223565	93.4	60	120	
Li	6	1	50700	0.54	48998	103.5	60	120	

Sample Report

Sample Name	**SD 460-60113-D-7-A@25**
Data File Name	**214SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:54:52-04:00**
Type	**Sample**
VialNumber	**2507**
Dilution	**25**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	1.56	ug/l	3600	
Tl	205	209	1	0.01	0.30	ug/l	720	
Ba	137	159	1	1.28	32.04	ug/l	3600	
Sb	121	115	1	0.01	0.19	ug/l	3600	
Sn	118	115	1	0.03	0.77	ug/l	3600	
Cd	111	115	1	0.02	0.42	ug/l	3600	
Ag	107	115	1	0.00	-0.04	ug/l	180	
Mo	95	115	1	0.00	0.03	ug/l	1800	
Sr	88	115	1	44.50	1112.38	ug/l	900	
Se	78	74	1	0.01	0.35	ug/l	3600	
As	75	74	1	0.08	1.94	ug/l	3600	
Zn	66	45	1	0.81	20.34	ug/l	900	
Cu	63	45	1	0.21	5.21	ug/l	900	
Ni	60	45	1	2.40	59.93	ug/l	900	
Co	59	45	1	1.63	40.68	ug/l	1800	
Fe	56	45	1	7505.17	187629.21	ug/l	360000	
Mn	55	45	1	1303.19	32579.77	ug/l	18000	
Cr	52	45	1	0.50	12.46	ug/l	3600	
V	51	45	1	0.08	2.01	ug/l	3600	
Ti	47	45	1	0.04	0.98	ug/l	3600	
Ca	44	45	1	13802.66	345066.56	ug/l	360000	
K	39	45	1	554.02	13850.38	ug/l	360000	
Al	27	45	1	101.97	2549.37	ug/l	36000	
Mg	24	45	1	4190.48	104761.94	ug/l	90000	
Na	23	45	1	2955.46	73886.54	ug/l	90000	
B	11	6	1	13.88	347.01	ug/l	7200	
Be	9	6	1	0.09	2.30	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	490908	1.24	475056	103.3	60	120	
Tb	159	1	530612	0.92	523937	101.3	60	120	
In	115	1	147731	1.39	150316	98.3	60	120	
Kr	83	1	11	34.61	12	90.9	-1000	1000	
Ge	74	1	23933	0.53	24592	97.3	60	120	
Sc	45	1	214186	0.95	223565	95.8	60	120	
Li	6	1	52387	1.42	48998	106.9	60	120	

Sample Report

Sample Name	**460-60113-C-1-A@5**
Data File Name	**215SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T05:58:55-04:00**
Type	**Sample**
VialNumber	**2508**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.04	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	0.03	0.15	ug/l	3600	
Sb	121	115	1	-0.01	-0.03	ug/l	3600	
Sn	118	115	1	0.04	0.19	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.10	0.51	ug/l	1800	
Sr	88	115	1	0.04	0.21	ug/l	900	
Se	78	74	1	-0.07	-0.35	ug/l	3600	
As	75	74	1	0.06	0.31	ug/l	3600	
Zn	66	45	1	-0.85	-4.24	ug/l	900	
Cu	63	45	1	0.06	0.29	ug/l	900	
Ni	60	45	1	-0.07	-0.37	ug/l	900	
Co	59	45	1	0.00	0.01	ug/l	1800	
Fe	56	45	1	1.62	8.10	ug/l	360000	
Mn	55	45	1	0.66	3.30	ug/l	18000	
Cr	52	45	1	0.04	0.21	ug/l	3600	
V	51	45	1	0.05	0.25	ug/l	3600	
Ti	47	45	1	0.04	0.20	ug/l	3600	
Ca	44	45	1	6.12	30.61	ug/l	360000	
K	39	45	1	6.63	33.15	ug/l	360000	
Al	27	45	1	0.11	0.57	ug/l	36000	
Mg	24	45	1	0.86	4.29	ug/l	90000	
Na	23	45	1	6.01	30.06	ug/l	90000	
B	11	6	1	3.08	15.38	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	481116	0.50	475056	101.3	60	120	
Tb	159	1	527813	0.44	523937	100.7	60	120	
In	115	1	145163	0.73	150316	96.6	60	120	
Kr	83	1	11	105.35	12	90.9	-1000	1000	
Ge	74	1	23666	1.15	24592	96.2	60	120	
Sc	45	1	211425	0.32	223565	94.6	60	120	
Li	6	1	51600	0.61	48998	105.3	60	120	

Sample Report

Sample Name	**460-60113-D-3-A@5**
Data File Name	**216SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:03:01-04:00**
Type	**Sample**
VialNumber	**2509**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.59	7.93	ug/l	3600	
Tl	205	209	1	0.01	0.05	ug/l	720	
Ba	137	159	1	3.47	17.35	ug/l	3600	
Sb	121	115	1	0.11	0.53	ug/l	3600	
Sn	118	115	1	0.08	0.41	ug/l	3600	
Cd	111	115	1	0.29	1.45	ug/l	3600	
Ag	107	115	1	0.13	0.63	ug/l	180	
Mo	95	115	1	0.04	0.22	ug/l	1800	
Sr	88	115	1	304.01	1520.04	ug/l	900	
Se	78	74	1	5.39	26.97	ug/l	3600	
As	75	74	1	1.86	9.30	ug/l	3600	
Zn	66	45	1	235.01	1175.06	ug/l	900	
Cu	63	45	1	9.12	45.58	ug/l	900	
Ni	60	45	1	136.31	681.57	ug/l	900	
Co	59	45	1	75.85	379.25	ug/l	1800	
Fe	56	45	1	96891.56	484457.78	ug/l	360000	
Mn	55	45	1	4765.94	23829.71	ug/l	18000	
Cr	52	45	1	14.25	71.24	ug/l	3600	
V	51	45	1	2.82	14.12	ug/l	3600	
Ti	47	45	1	0.44	2.21	ug/l	3600	
Ca	44	45	1	85622.17	428110.85	ug/l	360000	
K	39	45	1	2607.42	13037.08	ug/l	360000	
Al	27	45	1	5139.63	25698.14	ug/l	36000	
Mg	24	45	1	27608.22	138041.08	ug/l	90000	
Na	23	45	1	6497.46	32487.30	ug/l	90000	
B	11	6	1	53.41	267.05	ug/l	7200	
Be	9	6	1	4.31	21.54	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	442138	3.03	475056	93.1	60	120	
Tb	159	1	520438	3.25	523937	99.3	60	120	
In	115	1	134528	2.87	150316	89.5	60	120	
Kr	83	1	82	24.44	12	672.7	-1000	1000	
Ge	74	1	22183	1.73	24592	90.2	60	120	
Sc	45	1	197496	3.18	223565	88.3	60	120	
Li	6	1	48259	2.34	48998	98.5	60	120	

Sample Report

Sample Name	**460-60113-D-4-A@5**
Data File Name	**217SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:07:05-04:00**
Type	**Sample**
VialNumber	**2510**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.75	8.76	ug/l	3600	
Tl	205	209	1	0.01	0.05	ug/l	720	
Ba	137	159	1	3.42	17.08	ug/l	3600	
Sb	121	115	1	0.13	0.67	ug/l	3600	
Sn	118	115	1	0.09	0.45	ug/l	3600	
Cd	111	115	1	0.11	0.54	ug/l	3600	
Ag	107	115	1	0.14	0.70	ug/l	180	
Mo	95	115	1	0.05	0.26	ug/l	1800	
Sr	88	115	1	304.04	1520.20	ug/l	900	
Se	78	74	1	5.05	25.23	ug/l	3600	
As	75	74	1	2.02	10.11	ug/l	3600	
Zn	66	45	1	200.65	1003.27	ug/l	900	
Cu	63	45	1	9.90	49.51	ug/l	900	
Ni	60	45	1	133.89	669.44	ug/l	900	
Co	59	45	1	74.13	370.64	ug/l	1800	
Fe	56	45	1	94696.86	473484.30	ug/l	360000	
Mn	55	45	1	4730.32	23651.58	ug/l	18000	
Cr	52	45	1	14.74	73.72	ug/l	3600	
V	51	45	1	3.01	15.03	ug/l	3600	
Ti	47	45	1	0.38	1.89	ug/l	3600	
Ca	44	45	1	86120.86	430604.31	ug/l	360000	
K	39	45	1	2555.86	12779.28	ug/l	360000	
Al	27	45	1	5482.66	27413.30	ug/l	36000	
Mg	24	45	1	27831.61	139158.04	ug/l	90000	
Na	23	45	1	6459.98	32299.88	ug/l	90000	
B	11	6	1	51.63	258.15	ug/l	7200	
Be	9	6	1	4.39	21.97	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	450380	0.39	475056	94.8	60	120	
Tb	159	1	527108	0.70	523937	100.6	60	120	
In	115	1	134758	0.85	150316	89.6	60	120	
Kr	83	1	46	25.70	12	372.7	-1000	1000	
Ge	74	1	22061	0.04	24592	89.7	60	120	
Sc	45	1	197939	1.17	223565	88.5	60	120	
Li	6	1	49082	0.12	48998	100.2	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2186CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:11:06-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.29	1.83	ug/l	7539.61	0.62	50	94.6	90	110	
B	11	6	1	95.26	2.18	ug/l	4967.59	1.84	100	95.3	90	110	
Na	23	45	1	5104.55	2.66	ug/l	3654148.31	0.69	5000	102.1	90	110	
Mg	24	45	1	5035.71	2.74	ug/l	1850500.13	0.49	5000	100.7	90	110	
Al	27	45	1	476.90	3.51	ug/l	75754.69	0.88	500	95.4	90	110	
K	39	45	1	4890.20	4.04	ug/l	1192862.87	0.76	5000	97.8	90	110	
Ca	44	45	1	4849.24	3.85	ug/l	50431.38	0.72	5000	97.0	90	110	
Ti	47	45	1	48.79	2.51	ug/l	2963.70	1.30	50	97.6	90	110	
V	51	45	1	49.04	3.08	ug/l	80597.15	0.29	50	98.1	90	110	
Cr	52	45	1	49.31	3.49	ug/l	97426.22	1.60	50	98.6	90	110	
Mn	55	45	1	481.05	3.14	ug/l	563288.14	0.19	500	96.2	90	110	
Fe	56	45	1	4813.91	3.23	ug/l	7680828.77	0.12	5000	96.3	90	110	
Co	59	45	1	48.67	3.67	ug/l	135335.34	0.49	50	97.3	90	110	
Ni	60	45	1	49.11	4.26	ug/l	35816.83	1.46	50	98.2	90	110	
Cu	63	45	1	48.81	3.31	ug/l	92823.76	0.52	50	97.6	90	110	
Zn	66	45	1	49.47	5.06	ug/l	13590.70	2.23	50	98.9	90	110	
As	75	74	1	48.16	1.83	ug/l	7654.21	1.71	50	96.3	90	110	
Se	78	74	1	46.55	2.45	ug/l	650.30	2.34	50	93.1	90	110	
Sr	88	115	1	47.39	4.04	ug/l	51858.51	1.27	50	94.8	90	110	
Mo	95	115	1	47.52	3.34	ug/l	37698.00	0.58	50	95.0	90	110	
Ag	107	115	1	48.84	2.92	ug/l	123275.91	0.54	50	97.7	90	110	
Cd	111	115	1	49.13	1.32	ug/l	18407.23	1.53	50	98.3	90	110	
Sn	118	115	1	49.88	3.10	ug/l	40657.44	1.25	50	99.8	90	110	
Sb	121	115	1	49.73	3.66	ug/l	48711.28	0.83	50	99.5	90	110	
Ba	137	159	1	45.82	2.07	ug/l	18360.72	0.99	50	91.6	90	110	
Tl	205	209	1	9.95	0.96	ug/l	86976.06	1.22	10	99.5	90	110	
Pb	208	209	1	49.00	2.06	ug/l	571980.43	0.38	50	98.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	51493	1.53	48998	105.1	60	120	
Sc	45	1	214126	3.18	223565	95.8	60	120	
Ge	74	1	23860	0.13	24592	97.0	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
In	115	1	145752	2.79	150316	97.0	60	120	
Tb	159	1	536155	3.03	523937	102.3	60	120	
Bi	209	1	481100	2.03	475056	101.3	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2196CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:15:07-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	175.02	ug/l	1.11	86.60	0.2	
B	11	6	1	1.78	36.12	ug/l	207.79	15.58	20	
Na	23	45	1	-5.72	-11.70	ug/l	32658.99	1.38	50	
Mg	24	45	1	1.54	16.30	ug/l	902.28	10.77	50	
Al	27	45	1	-1.55	-6.05	ug/l	595.02	2.52	10	
K	39	45	1	-5.63	-30.59	ug/l	33660.36	0.94	50	
Ca	44	45	1	-2.11	-42.25	ug/l	80.00	11.60	50	
Ti	47	45	1	-0.02	0.00	ug/l	0.00	#DIV/0!	1	
V	51	45	1	-0.01	-597.34	ug/l	300.01	17.25	1	
Cr	52	45	1	0.02	53.67	ug/l	233.34	8.57	1	
Mn	55	45	1	0.25	13.35	ug/l	444.47	9.17	2	
Fe	56	45	1	1.83	4.52	ug/l	4878.61	2.47	30	
Co	59	45	1	0.01	39.41	ug/l	54.45	25.48	1	
Ni	60	45	1	-0.06	-8.37	ug/l	36.67	9.10	1	
Cu	63	45	1	-0.01	-116.23	ug/l	276.68	11.04	1	
Zn	66	45	1	-1.40	-1.81	ug/l	90.00	7.41	4	
As	75	74	1	-0.01	-662.74	ug/l	11.67	62.30	0.5	
Se	78	74	1	-0.23	-22.95	ug/l	4.59	15.73	0.5	
Sr	88	115	1	0.00	135.93	ug/l	31.11	24.74	1	
Mo	95	115	1	0.04	20.20	ug/l	43.33	15.38	1	
Ag	107	115	1	0.01	43.78	ug/l	43.33	35.25	1	
Cd	111	115	1	0.02	78.34	ug/l	8.89	57.30	0.5	
Sn	118	115	1	0.08	56.06	ug/l	75.56	48.39	4	
Sb	121	115	1	0.07	27.04	ug/l	87.78	22.25	0.5	
Ba	137	159	1	0.01	147.39	ug/l	14.45	48.02	1	
Tl	205	209	1	0.01	16.18	ug/l	140.00	14.87	0.2	
Pb	208	209	1	0.01	7.74	ug/l	287.79	2.68	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	52572	1.76	48998	107.3	60	120	
Sc	45	1	215748	0.53	223565	96.5	60	120	
Ge	74	1	24140	0.38	24592	98.2	60	120	
Kr	83	1	12	78.69	12	100.0	-1000	1000	
In	115	1	148402	0.55	150316	98.7	60	120	
Tb	159	1	535690	0.27	523937	102.2	60	120	
Bi	209	1	493531	0.68	475056	103.9	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-60113-D-5-A@5**
Data File Name	**220SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:19:15-04:00**
Type	**Sample**
VialNumber	**2511**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.17	0.83	ug/l	3600	
Tl	205	209	1	0.03	0.16	ug/l	720	
Ba	137	159	1	32.00	159.99	ug/l	3600	
Sb	121	115	1	0.06	0.28	ug/l	3600	
Sn	118	115	1	0.10	0.52	ug/l	3600	
Cd	111	115	1	0.08	0.39	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	8.96	44.82	ug/l	1800	
Sr	88	115	1	133.16	665.82	ug/l	900	
Se	78	74	1	-0.07	-0.33	ug/l	3600	
As	75	74	1	0.57	2.84	ug/l	3600	
Zn	66	45	1	2.41	12.03	ug/l	900	
Cu	63	45	1	0.91	4.57	ug/l	900	
Ni	60	45	1	1.07	5.33	ug/l	900	
Co	59	45	1	0.52	2.61	ug/l	1800	
Fe	56	45	1	133.30	666.49	ug/l	360000	
Mn	55	45	1	970.07	4850.36	ug/l	18000	
Cr	52	45	1	0.35	1.77	ug/l	3600	
V	51	45	1	0.30	1.51	ug/l	3600	
Ti	47	45	1	2.08	10.38	ug/l	3600	
Ca	44	45	1	36718.68	183593.42	ug/l	360000	
K	39	45	1	5340.67	26703.37	ug/l	360000	
Al	27	45	1	30.58	152.92	ug/l	36000	
Mg	24	45	1	5896.13	29480.66	ug/l	90000	
Na	23	45	1	54903.15	274515.77	ug/l	90000	
B	11	6	1	49.12	245.58	ug/l	7200	
Be	9	6	1	0.01	0.06	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	450310	0.49	475056	94.8	60	120	
Tb	159	1	512220	0.12	523937	97.8	60	120	
In	115	1	138974	0.38	150316	92.5	60	120	
Kr	83	1	11	17.30	12	90.9	-1000	1000	
Ge	74	1	22971	1.02	24592	93.4	60	120	
Sc	45	1	207795	0.67	223565	92.9	60	120	
Li	6	1	48940	0.84	48998	99.9	60	120	

Sample Report

Sample Name	**460-60113-D-6-A@5**
Data File Name	**221SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:23:18-04:00**
Type	**Sample**
VialNumber	**2512**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.58	2.90	ug/l	3600	
Tl	205	209	1	0.04	0.18	ug/l	720	
Ba	137	159	1	1.74	8.68	ug/l	3600	
Sb	121	115	1	0.03	0.16	ug/l	3600	
Sn	118	115	1	0.10	0.52	ug/l	3600	
Cd	111	115	1	0.43	2.15	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.06	0.28	ug/l	1800	
Sr	88	115	1	265.78	1328.88	ug/l	900	
Se	78	74	1	2.54	12.69	ug/l	3600	
As	75	74	1	0.85	4.25	ug/l	3600	
Zn	66	45	1	243.18	1215.91	ug/l	900	
Cu	63	45	1	4.64	23.21	ug/l	900	
Ni	60	45	1	56.61	283.05	ug/l	900	
Co	59	45	1	68.10	340.50	ug/l	1800	
Fe	56	45	1	18438.54	92192.68	ug/l	360000	
Mn	55	45	1	13018.55	65092.75	ug/l	18000	
Cr	52	45	1	1.61	8.03	ug/l	3600	
V	51	45	1	0.25	1.25	ug/l	3600	
Ti	47	45	1	0.18	0.88	ug/l	3600	
Ca	44	45	1	56200.61	281003.06	ug/l	360000	
K	39	45	1	2062.66	10313.32	ug/l	360000	
Al	27	45	1	2776.94	13884.72	ug/l	36000	
Mg	24	45	1	25665.66	128328.31	ug/l	90000	
Na	23	45	1	28433.80	142169.00	ug/l	90000	
B	11	6	1	128.00	640.00	ug/l	7200	
Be	9	6	1	1.45	7.26	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	448155	3.00	475056	94.3	60	120	
Tb	159	1	519202	3.40	523937	99.1	60	120	
In	115	1	138116	3.53	150316	91.9	60	120	
Kr	83	1	30	11.10	12	245.4	-1000	1000	
Ge	74	1	23138	2.69	24592	94.1	60	120	
Sc	45	1	204730	4.50	223565	91.6	60	120	
Li	6	1	49838	3.15	48998	101.7	60	120	

Sample Report

Sample Name	**460-60113-D-8-A@5**
Data File Name	**222SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:27:19-04:00**
Type	**Sample**
VialNumber	**3101**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.39	1.96	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	26.66	133.32	ug/l	3600	
Sb	121	115	1	0.05	0.26	ug/l	3600	
Sn	118	115	1	0.06	0.30	ug/l	3600	
Cd	111	115	1	0.14	0.70	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.05	0.27	ug/l	1800	
Sr	88	115	1	307.96	1539.80	ug/l	900	
Se	78	74	1	1.33	6.65	ug/l	3600	
As	75	74	1	0.56	2.81	ug/l	3600	
Zn	66	45	1	26.12	130.62	ug/l	900	
Cu	63	45	1	2.03	10.17	ug/l	900	
Ni	60	45	1	8.11	40.53	ug/l	900	
Co	59	45	1	7.84	39.21	ug/l	1800	
Fe	56	45	1	7318.85	36594.24	ug/l	360000	
Mn	55	45	1	5708.60	28542.99	ug/l	18000	
Cr	52	45	1	0.97	4.87	ug/l	3600	
V	51	45	1	0.69	3.44	ug/l	3600	
Ti	47	45	1	0.41	2.05	ug/l	3600	
Ca	44	45	1	79173.60	395867.98	ug/l	360000	
K	39	45	1	5128.72	25643.62	ug/l	360000	
Al	27	45	1	831.49	4157.43	ug/l	36000	
Mg	24	45	1	20983.17	104915.84	ug/l	90000	
Na	23	45	1	22557.44	112787.21	ug/l	90000	
B	11	6	1	150.98	754.90	ug/l	7200	
Be	9	6	1	0.50	2.52	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	445018	0.66	475056	93.7	60	120	
Tb	159	1	511312	1.47	523937	97.6	60	120	
In	115	1	137606	2.09	150316	91.5	60	120	
Kr	83	1	23	42.86	12	190.9	-1000	1000	
Ge	74	1	22520	0.91	24592	91.6	60	120	
Sc	45	1	202110	1.58	223565	90.4	60	120	
Li	6	1	48827	0.72	48998	99.7	60	120	

Sample Report

Sample Name	**460-60113-D-9-A@5**
Data File Name	**223SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:31:21-04:00**
Type	**Sample**
VialNumber	**3102**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.09	0.46	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	11.99	59.93	ug/l	3600	
Sb	121	115	1	0.05	0.23	ug/l	3600	
Sn	118	115	1	0.08	0.42	ug/l	3600	
Cd	111	115	1	0.03	0.14	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.08	0.39	ug/l	1800	
Sr	88	115	1	168.16	840.80	ug/l	900	
Se	78	74	1	-0.11	-0.53	ug/l	3600	
As	75	74	1	0.49	2.46	ug/l	3600	
Zn	66	45	1	-0.16	-0.82	ug/l	900	
Cu	63	45	1	0.23	1.13	ug/l	900	
Ni	60	45	1	0.13	0.66	ug/l	900	
Co	59	45	1	0.44	2.20	ug/l	1800	
Fe	56	45	1	665.21	3326.07	ug/l	360000	
Mn	55	45	1	739.05	3695.23	ug/l	18000	
Cr	52	45	1	0.15	0.76	ug/l	3600	
V	51	45	1	0.45	2.24	ug/l	3600	
Ti	47	45	1	3.43	17.17	ug/l	3600	
Ca	44	45	1	41257.66	206288.32	ug/l	360000	
K	39	45	1	2398.03	11990.14	ug/l	360000	
Al	27	45	1	108.59	542.95	ug/l	36000	
Mg	24	45	1	6992.11	34960.54	ug/l	90000	
Na	23	45	1	3092.50	15462.48	ug/l	90000	
B	11	6	1	15.43	77.16	ug/l	7200	
Be	9	6	1	0.01	0.07	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	458948	0.42	475056	96.6	60	120	
Tb	159	1	505526	0.75	523937	96.5	60	120	
In	115	1	137720	0.54	150316	91.6	60	120	
Kr	83	1	6	91.64	12	45.5	-1000	1000	
Ge	74	1	22352	0.35	24592	90.9	60	120	
Sc	45	1	198592	0.88	223565	88.8	60	120	
Li	6	1	48470	0.87	48998	98.9	60	120	

Sample Report

Sample Name	**460-60113-D-10-A@5**
Data File Name	**224SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:35:24-04:00**
Type	**Sample**
VialNumber	**3103**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.04	0.20	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	11.15	55.74	ug/l	3600	
Sb	121	115	1	0.03	0.16	ug/l	3600	
Sn	118	115	1	0.07	0.36	ug/l	3600	
Cd	111	115	1	0.03	0.16	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.06	0.29	ug/l	1800	
Sr	88	115	1	118.67	593.37	ug/l	900	
Se	78	74	1	-0.15	-0.75	ug/l	3600	
As	75	74	1	0.53	2.66	ug/l	3600	
Zn	66	45	1	11.79	58.95	ug/l	900	
Cu	63	45	1	0.30	1.48	ug/l	900	
Ni	60	45	1	5.51	27.54	ug/l	900	
Co	59	45	1	5.04	25.22	ug/l	1800	
Fe	56	45	1	3966.33	19831.64	ug/l	360000	
Mn	55	45	1	1174.32	5871.58	ug/l	18000	
Cr	52	45	1	0.15	0.75	ug/l	3600	
V	51	45	1	0.26	1.29	ug/l	3600	
Ti	47	45	1	0.50	2.48	ug/l	3600	
Ca	44	45	1	38349.76	191748.82	ug/l	360000	
K	39	45	1	2690.13	13450.63	ug/l	360000	
Al	27	45	1	23.87	119.37	ug/l	36000	
Mg	24	45	1	9882.64	49413.19	ug/l	90000	
Na	23	45	1	11336.26	56681.32	ug/l	90000	
B	11	6	1	29.37	146.85	ug/l	7200	
Be	9	6	1	0.05	0.26	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	455050	0.41	475056	95.8	60	120	
Tb	159	1	503372	0.40	523937	96.1	60	120	
In	115	1	137200	1.04	150316	91.3	60	120	
Kr	83	1	12	78.69	12	100.0	-1000	1000	
Ge	74	1	22419	0.21	24592	91.2	60	120	
Sc	45	1	197778	1.76	223565	88.5	60	120	
Li	6	1	48134	0.57	48998	98.2	60	120	

Sample Report

Sample Name	**460-60134-D-1-A@5**
Data File Name	**225SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:39:28-04:00**
Type	**Sample**
VialNumber	**3104**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.42	7.12	ug/l	3600	
Tl	205	209	1	0.01	0.04	ug/l	720	
Ba	137	159	1	120.21	601.04	ug/l	3600	
Sb	121	115	1	0.11	0.55	ug/l	3600	
Sn	118	115	1	0.17	0.85	ug/l	3600	
Cd	111	115	1	0.04	0.19	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.08	0.39	ug/l	1800	
Sr	88	115	1	310.80	1554.02	ug/l	900	
Se	78	74	1	0.00	-0.02	ug/l	3600	
As	75	74	1	0.27	1.35	ug/l	3600	
Zn	66	45	1	2.15	10.75	ug/l	900	
Cu	63	45	1	0.91	4.57	ug/l	900	
Ni	60	45	1	4.26	21.28	ug/l	900	
Co	59	45	1	0.43	2.13	ug/l	1800	
Fe	56	45	1	4147.95	20739.76	ug/l	360000	
Mn	55	45	1	574.61	2873.06	ug/l	18000	
Cr	52	45	1	2.81	14.04	ug/l	3600	
V	51	45	1	1.84	9.21	ug/l	3600	
Ti	47	45	1	4.45	22.27	ug/l	3600	
Ca	44	45	1	77559.71	387798.53	ug/l	360000	
K	39	45	1	3280.91	16404.55	ug/l	360000	
Al	27	45	1	122.06	610.30	ug/l	36000	
Mg	24	45	1	8239.07	41195.33	ug/l	90000	
Na	23	45	1	43451.68	217258.42	ug/l	90000	
B	11	6	1	149.19	745.94	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	405880	6.55	475056	85.4	60	120	
Tb	159	1	468305	6.88	523937	89.4	60	120	
In	115	1	126558	6.36	150316	84.2	60	120	
Kr	83	1	4	43.40	12	36.4	-1000	1000	
Ge	74	1	20864	5.44	24592	84.8	60	120	
Sc	45	1	188745	6.40	223565	84.4	60	120	
Li	6	1	45105	7.63	48998	92.1	60	120	

Sample Report

Sample Name	**460-60134-D-2-A@5**
Data File Name	**226SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:43:30-04:00**
Type	**Sample**
VialNumber	**3105**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.20	0.99	ug/l	3600	
Tl	205	209	1	0.01	0.05	ug/l	720	
Ba	137	159	1	2.40	11.99	ug/l	3600	
Sb	121	115	1	0.04	0.22	ug/l	3600	
Sn	118	115	1	0.07	0.35	ug/l	3600	
Cd	111	115	1	0.25	1.25	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.06	0.30	ug/l	1800	
Sr	88	115	1	99.81	499.07	ug/l	900	
Se	78	74	1	0.89	4.44	ug/l	3600	
As	75	74	1	0.53	2.63	ug/l	3600	
Zn	66	45	1	133.50	667.52	ug/l	900	
Cu	63	45	1	6.40	32.00	ug/l	900	
Ni	60	45	1	28.23	141.17	ug/l	900	
Co	59	45	1	19.50	97.52	ug/l	1800	
Fe	56	45	1	8369.28	41846.38	ug/l	360000	
Mn	55	45	1	1251.24	6256.22	ug/l	18000	
Cr	52	45	1	2.95	14.76	ug/l	3600	
V	51	45	1	3.98	19.91	ug/l	3600	
Ti	47	45	1	2.80	14.01	ug/l	3600	
Ca	44	45	1	18068.39	90341.96	ug/l	360000	
K	39	45	1	146.16	730.82	ug/l	360000	
Al	27	45	1	2892.48	14462.41	ug/l	36000	
Mg	24	45	1	6638.81	33194.07	ug/l	90000	
Na	23	45	1	22342.25	111711.23	ug/l	90000	
B	11	6	1	50.68	253.41	ug/l	7200	
Be	9	6	1	1.28	6.42	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	457993	0.83	475056	96.4	60	120	
Tb	159	1	513587	0.70	523937	98.0	60	120	
In	115	1	138812	0.71	150316	92.3	60	120	
Kr	83	1	19	44.42	12	154.5	-1000	1000	
Ge	74	1	23071	0.92	24592	93.8	60	120	
Sc	45	1	204426	0.93	223565	91.4	60	120	
Li	6	1	49347	1.13	48998	100.7	60	120	

Sample Report

Sample Name	**460-60134-D-3-A@5**
Data File Name	**227SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:47:33-04:00**
Type	**Sample**
VialNumber	**3106**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.70	3.52	ug/l	3600	
Tl	205	209	1	0.04	0.18	ug/l	720	
Ba	137	159	1	15.76	78.79	ug/l	3600	
Sb	121	115	1	0.08	0.38	ug/l	3600	
Sn	118	115	1	0.12	0.61	ug/l	3600	
Cd	111	115	1	0.07	0.33	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	3.13	15.63	ug/l	1800	
Sr	88	115	1	65.22	326.09	ug/l	900	
Se	78	74	1	-0.05	-0.24	ug/l	3600	
As	75	74	1	1.11	5.53	ug/l	3600	
Zn	66	45	1	3.70	18.49	ug/l	900	
Cu	63	45	1	2.08	10.41	ug/l	900	
Ni	60	45	1	2.73	13.64	ug/l	900	
Co	59	45	1	0.69	3.44	ug/l	1800	
Fe	56	45	1	1543.35	7716.75	ug/l	360000	
Mn	55	45	1	63.48	317.41	ug/l	18000	
Cr	52	45	1	4.80	24.00	ug/l	3600	
V	51	45	1	2.47	12.35	ug/l	3600	
Ti	47	45	1	10.05	50.24	ug/l	3600	
Ca	44	45	1	15285.38	76426.91	ug/l	360000	
K	39	45	1	1117.02	5585.11	ug/l	360000	
Al	27	45	1	213.06	1065.28	ug/l	36000	
Mg	24	45	1	2548.90	12744.49	ug/l	90000	
Na	23	45	1	15570.04	77850.22	ug/l	90000	
B	11	6	1	23.81	119.06	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	452600	2.12	475056	95.3	60	120	
Tb	159	1	501979	1.55	523937	95.8	60	120	
In	115	1	137359	2.35	150316	91.4	60	120	
Kr	83	1	11	17.30	12	90.9	-1000	1000	
Ge	74	1	22533	3.05	24592	91.6	60	120	
Sc	45	1	201055	2.05	223565	89.9	60	120	
Li	6	1	48853	2.75	48998	99.7	60	120	

Sample Report

Sample Name	**460-60134-D-4-A@5**
Data File Name	**228SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:51:35-04:00**
Type	**Sample**
VialNumber	**3107**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.18	0.89	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	86.80	434.01	ug/l	3600	
Sb	121	115	1	0.01	0.07	ug/l	3600	
Sn	118	115	1	0.06	0.32	ug/l	3600	
Cd	111	115	1	0.04	0.20	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.09	0.47	ug/l	1800	
Sr	88	115	1	72.91	364.54	ug/l	900	
Se	78	74	1	-0.03	-0.14	ug/l	3600	
As	75	74	1	0.16	0.82	ug/l	3600	
Zn	66	45	1	0.41	2.05	ug/l	900	
Cu	63	45	1	2.14	10.71	ug/l	900	
Ni	60	45	1	1.49	7.46	ug/l	900	
Co	59	45	1	0.34	1.72	ug/l	1800	
Fe	56	45	1	323.87	1619.33	ug/l	360000	
Mn	55	45	1	390.52	1952.61	ug/l	18000	
Cr	52	45	1	4.09	20.44	ug/l	3600	
V	51	45	1	1.18	5.91	ug/l	3600	
Ti	47	45	1	13.59	67.93	ug/l	3600	
Ca	44	45	1	26254.27	131271.37	ug/l	360000	
K	39	45	1	360.24	1801.18	ug/l	360000	
Al	27	45	1	196.58	982.92	ug/l	36000	
Mg	24	45	1	4338.26	21691.31	ug/l	90000	
Na	23	45	1	7361.10	36805.50	ug/l	90000	
B	11	6	1	17.66	88.29	ug/l	7200	
Be	9	6	1	0.01	0.06	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	453053	0.61	475056	95.4	60	120	
Tb	159	1	501135	0.39	523937	95.6	60	120	
In	115	1	137615	0.80	150316	91.6	60	120	
Kr	83	1	6	91.64	12	45.5	-1000	1000	
Ge	74	1	22269	0.10	24592	90.6	60	120	
Sc	45	1	198404	0.96	223565	88.7	60	120	
Li	6	1	48585	0.50	48998	99.2	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2296CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:55:41-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.61	1.36	ug/l	7223.34	2.65	50	95.2	90	110	
B	11	6	1	94.12	1.98	ug/l	4670.82	1.07	100	94.1	90	110	
Na	23	45	1	5184.34	0.58	ug/l	3554224.25	0.88	5000	103.7	90	110	
Mg	24	45	1	5135.32	1.06	ug/l	1807572.73	1.29	5000	102.7	90	110	
Al	27	45	1	487.76	0.56	ug/l	74204.80	0.40	500	97.6	90	110	
K	39	45	1	4991.24	0.05	ug/l	1165789.41	0.34	5000	99.8	90	110	
Ca	44	45	1	4948.63	1.01	ug/l	49304.72	0.95	5000	99.0	90	110	
Ti	47	45	1	48.57	1.85	ug/l	2825.90	1.95	50	97.1	90	110	
V	51	45	1	49.11	0.86	ug/l	77315.92	0.56	50	98.2	90	110	
Cr	52	45	1	49.41	0.42	ug/l	93515.02	0.27	50	98.8	90	110	
Mn	55	45	1	487.33	1.09	ug/l	546629.43	0.92	500	97.5	90	110	
Fe	56	45	1	4874.28	0.84	ug/l	7449966.00	0.60	5000	97.5	90	110	
Co	59	45	1	48.58	0.52	ug/l	129424.11	0.28	50	97.2	90	110	
Ni	60	45	1	48.84	1.82	ug/l	34129.79	1.51	50	97.7	90	110	
Cu	63	45	1	48.91	0.73	ug/l	89107.73	0.45	50	97.8	90	110	
Zn	66	45	1	50.39	2.08	ug/l	13257.09	2.14	50	100.8	90	110	
As	75	74	1	49.56	1.42	ug/l	7489.68	1.31	50	99.1	90	110	
Se	78	74	1	47.75	0.75	ug/l	634.05	0.64	50	95.5	90	110	
Sr	88	115	1	48.23	0.80	ug/l	50141.73	0.54	50	96.5	90	110	
Mo	95	115	1	47.78	1.95	ug/l	36003.88	1.67	50	95.6	90	110	
Ag	107	115	1	49.23	0.89	ug/l	118037.33	0.60	50	98.5	90	110	
Cd	111	115	1	49.49	2.19	ug/l	17604.00	1.90	50	99.0	90	110	
Sn	118	115	1	50.09	0.56	ug/l	38787.10	0.54	50	100.2	90	110	
Sb	121	115	1	49.65	0.66	ug/l	46201.25	0.75	50	99.3	90	110	
Ba	137	159	1	47.25	1.27	ug/l	17625.34	0.63	50	94.5	90	110	
Tl	205	209	1	9.92	1.57	ug/l	81779.32	1.22	10	99.2	90	110	
Pb	208	209	1	49.46	1.03	ug/l	544680.74	0.36	50	98.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	48988	1.33	48998	100.0	60	120	
Sc	45	1	204980	0.31	223565	91.7	60	120	
Ge	74	1	22688	0.69	24592	92.3	60	120	
Kr	83	1	4	43.40	12	36.4	-1000	1000	
In	115	1	138369	0.29	150316	92.1	60	120	
Tb	159	1	498866	0.88	523937	95.2	60	120	
Bi	209	1	453850	0.69	475056	95.5	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2306CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T06:59:43-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.03	95.92	ug/l	4.44	78.02	0.2	
B	11	6	1	1.59	30.95	ug/l	182.23	11.76	20	
Na	23	45	1	-1.08	-494.08	ug/l	32883.85	0.36	50	
Mg	24	45	1	1.66	24.60	ug/l	863.39	9.29	50	
Al	27	45	1	-1.40	-12.95	ug/l	570.57	11.54	10	
K	39	45	1	11.37	149.51	ug/l	34478.74	0.94	50	
Ca	44	45	1	-1.78	-111.43	ug/l	75.55	14.69	50	
Ti	47	45	1	-0.02	0.00	ug/l	0.00	#DIV/0!	1	
V	51	45	1	0.01	310.86	ug/l	290.02	1.99	1	
Cr	52	45	1	0.05	58.33	ug/l	265.57	9.50	1	
Mn	55	45	1	0.86	18.86	ug/l	1060.08	9.94	2	
Fe	56	45	1	1.64	17.30	ug/l	4175.05	3.13	30	
Co	59	45	1	0.02	15.04	ug/l	73.34	20.83	1	
Ni	60	45	1	-0.06	-13.90	ug/l	33.33	20.00	1	
Cu	63	45	1	0.03	48.82	ug/l	330.01	15.88	1	
Zn	66	45	1	-1.36	-4.02	ug/l	92.23	8.34	4	
As	75	74	1	0.03	122.80	ug/l	16.66	34.65	0.5	
Se	78	74	1	-0.14	-173.79	ug/l	5.28	51.38	0.5	
Sr	88	115	1	0.02	22.74	ug/l	48.89	19.69	1	
Mo	95	115	1	0.05	39.61	ug/l	44.44	31.23	1	
Ag	107	115	1	0.01	13.65	ug/l	30.00	0.00	1	
Cd	111	115	1	0.02	48.09	ug/l	7.78	24.71	0.5	
Sn	118	115	1	0.09	23.35	ug/l	76.67	11.50	4	
Sb	121	115	1	0.07	21.96	ug/l	81.12	16.61	0.5	
Ba	137	159	1	0.02	72.55	ug/l	15.56	32.73	1	
Tl	205	209	1	0.01	6.15	ug/l	104.45	13.28	0.2	
Pb	208	209	1	0.02	19.21	ug/l	338.91	14.90	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	48527	7.26	48998	99.0	60	120	
Sc	45	1	198635	10.04	223565	88.8	60	120	
Ge	74	1	22523	8.19	24592	91.6	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
In	115	1	137272	9.84	150316	91.3	60	120	
Tb	159	1	489715	9.55	523937	93.5	60	120	
Bi	209	1	452623	9.15	475056	95.3	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**MB 460-173568/1-A@5**
Data File Name	**2316CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:03:48-04:00**
Type	**6-CCB**
VialNumber	**3201**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	837.29	ug/l	1.11	86.60	0.2	
B	11	6	1	1.43	298.98	ug/l	178.90	23.15	20	
Na	23	45	1	2.59	542.46	ug/l	35468.18	1.29	50	
Mg	24	45	1	0.44	157.07	ug/l	455.58	8.82	50	
Al	27	45	1	0.88	257.67	ug/l	901.15	6.84	10	
K	39	45	1	10.11	282.08	ug/l	34400.86	0.94	50	
Ca	44	45	1	3.83	95.99	ug/l	130.56	1.95	50	
Ti	47	45	1	-0.02	0.00	ug/l	0.00	#DIV/0!	1	
V	51	45	1	0.29	21.59	ug/l	721.15	6.24	1	
Cr	52	45	1	0.05	416.31	ug/l	277.79	26.41	1	
Mn	55	45	1	0.77	48.54	ug/l	971.18	7.75	2	
Fe	56	45	1	0.35	46.64	ug/l	2290.76	5.80	30	
Co	59	45	1	0.01	482.83	ug/l	35.56	48.10	1	
Ni	60	45	1	-0.04	-86.97	ug/l	42.22	9.12	1	
Cu	63	45	1	0.11	97.67	ug/l	464.47	4.88	1	
Zn	66	45	1	-1.29	-23.78	ug/l	110.01	10.50	4	
As	75	74	1	0.08	176.53	ug/l	22.78	18.43	0.5	
Se	78	74	1	-0.08	-489.99	ug/l	6.11	17.14	0.5	
Sr	88	115	1	0.09	70.38	ug/l	117.78	9.94	1	
Mo	95	115	1	0.00	2936.36	ug/l	13.33	129.94	1	
Ag	107	115	1	0.00	-261.71	ug/l	4.44	43.40	1	
Cd	111	115	1	0.01	632.98	ug/l	6.66	86.65	0.5	
Sn	118	115	1	0.10	81.04	ug/l	88.89	15.15	4	
Sb	121	115	1	0.02	306.56	ug/l	31.11	32.73	0.5	
Ba	137	159	1	0.03	93.12	ug/l	21.11	9.11	1	
Tl	205	209	1	0.00	173.55	ug/l	52.22	24.17	0.2	
Pb	208	209	1	0.01	285.09	ug/l	235.56	20.13	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49630	1.71	48998	101.3	60	120	
Sc	45	1	198532	4.14	223565	88.8	60	120	
Ge	74	1	22111	2.39	24592	89.9	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
In	115	1	136456	3.12	150316	90.8	60	120	
Tb	159	1	493688	3.46	523937	94.2	60	120	
Bi	209	1	452576	3.04	475056	95.3	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**LCS 460-173568/2-A@5**
Data File Name	**232SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:07:55-04:00**
Type	**Sample**
VialNumber	**3202**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.12	25.58	ug/l	3600	
Tl	205	209	1	3.94	19.68	ug/l	720	
Ba	137	159	1	9.74	48.71	ug/l	3600	
Sb	121	115	1	5.20	26.01	ug/l	3600	
Sn	118	115	1	10.21	51.04	ug/l	3600	
Cd	111	115	1	5.12	25.62	ug/l	3600	
Ag	107	115	1	5.20	25.98	ug/l	180	
Mo	95	115	1	9.77	48.85	ug/l	1800	
Sr	88	115	1	10.16	50.80	ug/l	900	
Se	78	74	1	10.28	51.40	ug/l	3600	
As	75	74	1	10.19	50.97	ug/l	3600	
Zn	66	45	1	51.20	256.02	ug/l	900	
Cu	63	45	1	10.36	51.82	ug/l	900	
Ni	60	45	1	10.13	50.64	ug/l	900	
Co	59	45	1	5.06	25.31	ug/l	1800	
Fe	56	45	1	524.51	2622.54	ug/l	360000	
Mn	55	45	1	51.35	256.74	ug/l	18000	
Cr	52	45	1	10.20	50.99	ug/l	3600	
V	51	45	1	10.20	51.00	ug/l	3600	
Ti	47	45	1	10.09	50.43	ug/l	3600	
Ca	44	45	1	516.05	2580.23	ug/l	360000	
K	39	45	1	523.43	2617.17	ug/l	360000	
Al	27	45	1	504.81	2524.06	ug/l	36000	
Mg	24	45	1	547.26	2736.31	ug/l	90000	
Na	23	45	1	550.17	2750.86	ug/l	90000	
B	11	6	1	101.01	505.03	ug/l	7200	
Be	9	6	1	4.99	24.96	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	448067	2.24	475056	94.3	60	120	
Tb	159	1	491863	2.42	523937	93.9	60	120	
In	115	1	134197	2.02	150316	89.3	60	120	
Kr	83	1	6	91.64	12	45.5	-1000	1000	
Ge	74	1	21932	1.64	24592	89.2	60	120	
Sc	45	1	198409	2.13	223565	88.7	60	120	
Li	6	1	49235	1.72	48998	100.5	60	120	

Sample Report

Sample Name	**PDS 460-60124-F-1-B@5**
Data File Name	**233SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:12:01-04:00**
Type	**Sample**
VialNumber	**3203**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	4.86	24.28	ug/l	3600	
Tl	205	209	1	3.85	19.26	ug/l	720	
Ba	137	159	1	32.93	164.66	ug/l	3600	
Sb	121	115	1	5.04	25.21	ug/l	3600	
Sn	118	115	1	10.19	50.96	ug/l	3600	
Cd	111	115	1	4.66	23.30	ug/l	3600	
Ag	107	115	1	4.83	24.15	ug/l	180	
Mo	95	115	1	9.61	48.04	ug/l	1800	
Sr	88	115	1	69.14	345.69	ug/l	900	
Se	78	74	1	9.55	47.75	ug/l	3600	
As	75	74	1	10.04	50.20	ug/l	3600	
Zn	66	45	1	47.51	237.54	ug/l	900	
Cu	63	45	1	9.54	47.69	ug/l	900	
Ni	60	45	1	9.68	48.39	ug/l	900	
Co	59	45	1	4.79	23.93	ug/l	1800	
Fe	56	45	1	818.42	4092.12	ug/l	360000	
Mn	55	45	1	54.91	274.53	ug/l	18000	
Cr	52	45	1	9.68	48.39	ug/l	3600	
V	51	45	1	10.09	50.43	ug/l	3600	
Ti	47	45	1	10.28	51.39	ug/l	3600	
Ca	44	45	1	10170.67	50853.35	ug/l	360000	
K	39	45	1	895.99	4479.94	ug/l	360000	
Al	27	45	1	474.99	2374.96	ug/l	36000	
Mg	24	45	1	6396.55	31982.77	ug/l	90000	
Na	23	45	1	4981.67	24908.36	ug/l	90000	
B	11	6	1	175.51	877.57	ug/l	7200	
Be	9	6	1	4.64	23.19	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	447962	2.18	475056	94.3	60	120	
Tb	159	1	500397	1.97	523937	95.5	60	120	
In	115	1	136273	1.90	150316	90.7	60	120	
Kr	83	1	8	89.21	12	63.6	-1000	1000	
Ge	74	1	22680	0.20	24592	92.2	60	120	
Sc	45	1	201256	1.49	223565	90.0	60	120	
Li	6	1	48849	0.45	48998	99.7	60	120	

Sample Report

Sample Name	**460-60124-F-1-D MS@5**
Data File Name	**234SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:16:04-04:00**
Type	**Sample**
VialNumber	**3204**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	5.58	27.88	ug/l	3600	
Tl	205	209	1	4.26	21.29	ug/l	720	
Ba	137	159	1	36.82	184.08	ug/l	3600	
Sb	121	115	1	5.77	28.86	ug/l	3600	
Sn	118	115	1	11.22	56.09	ug/l	3600	
Cd	111	115	1	5.44	27.21	ug/l	3600	
Ag	107	115	1	5.53	27.66	ug/l	180	
Mo	95	115	1	10.61	53.05	ug/l	1800	
Sr	88	115	1	77.03	385.14	ug/l	900	
Se	78	74	1	9.88	49.40	ug/l	3600	
As	75	74	1	11.46	57.30	ug/l	3600	
Zn	66	45	1	53.36	266.79	ug/l	900	
Cu	63	45	1	10.87	54.34	ug/l	900	
Ni	60	45	1	10.45	52.26	ug/l	900	
Co	59	45	1	5.30	26.48	ug/l	1800	
Fe	56	45	1	909.70	4548.50	ug/l	360000	
Mn	55	45	1	62.22	311.11	ug/l	18000	
Cr	52	45	1	11.01	55.04	ug/l	3600	
V	51	45	1	11.57	57.83	ug/l	3600	
Ti	47	45	1	10.99	54.94	ug/l	3600	
Ca	44	45	1	11168.14	55840.68	ug/l	360000	
K	39	45	1	1005.52	5027.61	ug/l	360000	
Al	27	45	1	541.80	2709.01	ug/l	36000	
Mg	24	45	1	7130.66	35653.30	ug/l	90000	
Na	23	45	1	5514.10	27570.50	ug/l	90000	
B	11	6	1	199.02	995.11	ug/l	7200	
Be	9	6	1	5.15	25.76	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	419450	10.77	475056	88.3	60	120	
Tb	159	1	467376	10.44	523937	89.2	60	120	
In	115	1	126941	11.14	150316	84.4	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
Ge	74	1	21137	11.15	24592	86.0	60	120	
Sc	45	1	186703	10.16	223565	83.5	60	120	
Li	6	1	46010	10.89	48998	93.9	60	120	

Sample Report

Sample Name	**460-60124-F-1-C DU@5**
Data File Name	**235SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:20:06-04:00**
Type	**Sample**
VialNumber	**3205**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.07	ug/l	3600	
Tl	205	209	1	0.03	0.17	ug/l	720	
Ba	137	159	1	24.25	121.23	ug/l	3600	
Sb	121	115	1	0.03	0.17	ug/l	3600	
Sn	118	115	1	0.12	0.60	ug/l	3600	
Cd	111	115	1	0.01	0.05	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.02	0.12	ug/l	1800	
Sr	88	115	1	60.00	299.98	ug/l	900	
Se	78	74	1	-0.10	-0.50	ug/l	3600	
As	75	74	1	0.89	4.45	ug/l	3600	
Zn	66	45	1	-0.73	-3.67	ug/l	900	
Cu	63	45	1	0.11	0.57	ug/l	900	
Ni	60	45	1	0.07	0.34	ug/l	900	
Co	59	45	1	0.03	0.13	ug/l	1800	
Fe	56	45	1	317.68	1588.40	ug/l	360000	
Mn	55	45	1	7.35	36.77	ug/l	18000	
Cr	52	45	1	0.09	0.43	ug/l	3600	
V	51	45	1	0.53	2.67	ug/l	3600	
Ti	47	45	1	0.00	0.02	ug/l	3600	
Ca	44	45	1	9676.03	48380.15	ug/l	360000	
K	39	45	1	404.39	2021.97	ug/l	360000	
Al	27	45	1	0.42	2.12	ug/l	36000	
Mg	24	45	1	5950.19	29750.93	ug/l	90000	
Na	23	45	1	4537.26	22686.30	ug/l	90000	
B	11	6	1	85.52	427.58	ug/l	7200	
Be	9	6	1	0.01	0.07	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	452037	0.87	475056	95.2	60	120	
Tb	159	1	505140	0.85	523937	96.4	60	120	
In	115	1	137173	1.09	150316	91.3	60	120	
Kr	83	1	13	25.01	12	109.1	-1000	1000	
Ge	74	1	22640	1.83	24592	92.1	60	120	
Sc	45	1	202083	0.74	223565	90.4	60	120	
Li	6	1	49047	1.42	48998	100.1	60	120	

Sample Report

Sample Name	**460-60124-F-1-B@5**
Data File Name	**236SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:24:11-04:00**
Type	**Sample**
VialNumber	**3206**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.07	ug/l	3600	
Tl	205	209	1	0.01	0.07	ug/l	720	
Ba	137	159	1	24.69	123.46	ug/l	3600	
Sb	121	115	1	0.03	0.15	ug/l	3600	
Sn	118	115	1	0.08	0.39	ug/l	3600	
Cd	111	115	1	0.00	-0.02	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.01	0.04	ug/l	1800	
Sr	88	115	1	60.93	304.65	ug/l	900	
Se	78	74	1	-0.02	-0.09	ug/l	3600	
As	75	74	1	0.79	3.93	ug/l	3600	
Zn	66	45	1	-0.54	-2.68	ug/l	900	
Cu	63	45	1	0.11	0.53	ug/l	900	
Ni	60	45	1	0.03	0.13	ug/l	900	
Co	59	45	1	0.02	0.11	ug/l	1800	
Fe	56	45	1	325.62	1628.08	ug/l	360000	
Mn	55	45	1	7.38	36.88	ug/l	18000	
Cr	52	45	1	0.06	0.32	ug/l	3600	
V	51	45	1	0.54	2.72	ug/l	3600	
Tl	47	45	1	0.04	0.22	ug/l	3600	
Ca	44	45	1	9939.82	49699.10	ug/l	360000	
K	39	45	1	417.43	2087.14	ug/l	360000	
Al	27	45	1	-0.09	-0.44	ug/l	36000	
Mg	24	45	1	6085.41	30427.07	ug/l	90000	
Na	23	45	1	4609.91	23049.56	ug/l	90000	
B	11	6	1	83.94	419.69	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	443646	0.69	475056	93.4	60	120	
Tb	159	1	494237	1.23	523937	94.3	60	120	
In	115	1	134823	0.55	150316	89.7	60	120	
Kr	83	1	8	65.47	12	63.6	-1000	1000	
Ge	74	1	22295	0.81	24592	90.7	60	120	
Sc	45	1	197897	1.16	223565	88.5	60	120	
Li	6	1	48678	0.81	48998	99.3	60	120	

Sample Report

Sample Name	**SD 460-60124-F-1-B@25**
Data File Name	**237SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:28:16-04:00**
Type	**Sample**
VialNumber	**3207**
Dilution	**25**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.00	-0.02	ug/l	3600	
Tl	205	209	1	0.01	0.17	ug/l	720	
Ba	137	159	1	4.77	119.26	ug/l	3600	
Sb	121	115	1	0.00	-0.02	ug/l	3600	
Sn	118	115	1	0.03	0.69	ug/l	3600	
Cd	111	115	1	0.00	0.07	ug/l	3600	
Ag	107	115	1	0.00	-0.09	ug/l	180	
Mo	95	115	1	0.00	0.05	ug/l	1800	
Sr	88	115	1	11.93	298.29	ug/l	900	
Se	78	74	1	-0.07	-1.69	ug/l	3600	
As	75	74	1	0.15	3.73	ug/l	3600	
Zn	66	45	1	-1.25	-31.15	ug/l	900	
Cu	63	45	1	0.02	0.58	ug/l	900	
Ni	60	45	1	-0.05	-1.21	ug/l	900	
Co	59	45	1	0.01	0.14	ug/l	1800	
Fe	56	45	1	64.89	1622.17	ug/l	360000	
Mn	55	45	1	1.86	46.48	ug/l	18000	
Cr	52	45	1	0.03	0.75	ug/l	3600	
V	51	45	1	0.15	3.66	ug/l	3600	
Ti	47	45	1	0.04	1.02	ug/l	3600	
Ca	44	45	1	1959.33	48983.32	ug/l	360000	
K	39	45	1	81.17	2029.16	ug/l	360000	
Al	27	45	1	-0.95	-23.80	ug/l	36000	
Mg	24	45	1	1226.17	30654.21	ug/l	90000	
Na	23	45	1	922.28	23056.94	ug/l	90000	
B	11	6	1	18.68	466.89	ug/l	7200	
Be	9	6	1	0.00	-0.09	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	458132	0.58	475056	96.4	60	120	
Tb	159	1	503886	0.92	523937	96.2	60	120	
In	115	1	140552	1.33	150316	93.5	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
Ge	74	1	23036	0.60	24592	93.7	60	120	
Sc	45	1	206478	1.19	223565	92.4	60	120	
Li	6	1	49726	0.66	48998	101.5	60	120	

Sample Report

Sample Name	**460-60124-F-2-B@5**
Data File Name	**238SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:32:22-04:00**
Type	**Sample**
VialNumber	**3208**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	0.31	ug/l	3600	
Tl	205	209	1	0.01	0.07	ug/l	720	
Ba	137	159	1	4.24	21.18	ug/l	3600	
Sb	121	115	1	0.01	0.07	ug/l	3600	
Sn	118	115	1	0.12	0.58	ug/l	3600	
Cd	111	115	1	0.04	0.18	ug/l	3600	
Ag	107	115	1	0.01	0.04	ug/l	180	
Mo	95	115	1	0.02	0.08	ug/l	1800	
Sr	88	115	1	313.47	1567.35	ug/l	900	
Se	78	74	1	0.00	0.01	ug/l	3600	
As	75	74	1	0.28	1.40	ug/l	3600	
Zn	66	45	1	4.53	22.67	ug/l	900	
Cu	63	45	1	13.62	68.12	ug/l	900	
Ni	60	45	1	0.72	3.60	ug/l	900	
Co	59	45	1	1.23	6.14	ug/l	1800	
Fe	56	45	1	2538.95	12694.74	ug/l	360000	
Mn	55	45	1	1516.94	7584.68	ug/l	18000	
Cr	52	45	1	0.09	0.47	ug/l	3600	
V	51	45	1	0.37	1.86	ug/l	3600	
Ti	47	45	1	0.04	0.22	ug/l	3600	
Ca	44	45	1	54633.48	273167.41	ug/l	360000	
K	39	45	1	1078.69	5393.47	ug/l	360000	
Al	27	45	1	1.65	8.24	ug/l	36000	
Mg	24	45	1	35389.97	176949.87	ug/l	90000	
Na	23	45	1	13143.42	65717.10	ug/l	90000	
B	11	6	1	36.06	180.31	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	431090	3.08	475056	90.7	60	120	
Tb	159	1	486699	2.71	523937	92.9	60	120	
In	115	1	131929	3.04	150316	87.8	60	120	
Kr	83	1	8	24.71	12	63.6	-1000	1000	
Ge	74	1	21843	2.35	24592	88.8	60	120	
Sc	45	1	195874	2.99	223565	87.6	60	120	
Li	6	1	47648	2.17	48998	97.2	60	120	

Sample Report

Sample Name	**460-60124-F-3-B@5**
Data File Name	**239SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:36:25-04:00**
Type	**Sample**
VialNumber	**3209**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.13	0.65	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	33.31	166.56	ug/l	3600	
Sb	121	115	1	0.02	0.10	ug/l	3600	
Sn	118	115	1	0.10	0.52	ug/l	3600	
Cd	111	115	1	0.01	0.05	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.08	0.41	ug/l	1800	
Sr	88	115	1	31.31	156.55	ug/l	900	
Se	78	74	1	-0.07	-0.34	ug/l	3600	
As	75	74	1	0.33	1.67	ug/l	3600	
Zn	66	45	1	-0.40	-2.00	ug/l	900	
Cu	63	45	1	0.17	0.87	ug/l	900	
Ni	60	45	1	0.05	0.25	ug/l	900	
Co	59	45	1	0.03	0.17	ug/l	1800	
Fe	56	45	1	2125.86	10629.31	ug/l	360000	
Mn	55	45	1	25.80	129.02	ug/l	18000	
Cr	52	45	1	0.11	0.53	ug/l	3600	
V	51	45	1	0.50	2.50	ug/l	3600	
Ti	47	45	1	0.39	1.97	ug/l	3600	
Ca	44	45	1	5235.22	26176.11	ug/l	360000	
K	39	45	1	309.23	1546.15	ug/l	360000	
Al	27	45	1	22.46	112.28	ug/l	36000	
Mg	24	45	1	2681.25	13406.24	ug/l	90000	
Na	23	45	1	2804.94	14024.70	ug/l	90000	
B	11	6	1	5.54	27.69	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	458150	0.48	475056	96.4	60	120	
Tb	159	1	500616	0.82	523937	95.5	60	120	
In	115	1	138825	0.35	150316	92.4	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
Ge	74	1	22665	1.19	24592	92.2	60	120	
Sc	45	1	200898	0.47	223565	89.9	60	120	
Li	6	1	49292	1.13	48998	100.6	60	120	

Sample Report

Sample Name	**460-60124-F-4-B@5**
Data File Name	**240SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:40:27-04:00**
Type	**Sample**
VialNumber	**3210**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	26.11	130.57	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	27.42	137.09	ug/l	3600	
Sb	121	115	1	0.14	0.68	ug/l	3600	
Sn	118	115	1	0.14	0.69	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.01	0.03	ug/l	180	
Mo	95	115	1	0.39	1.96	ug/l	1800	
Sr	88	115	1	53.01	265.05	ug/l	900	
Se	78	74	1	0.01	0.06	ug/l	3600	
As	75	74	1	2.54	12.69	ug/l	3600	
Zn	66	45	1	1.05	5.24	ug/l	900	
Cu	63	45	1	0.26	1.31	ug/l	900	
Ni	60	45	1	0.32	1.58	ug/l	900	
Co	59	45	1	0.05	0.23	ug/l	1800	
Fe	56	45	1	1195.17	5975.86	ug/l	360000	
Mn	55	45	1	34.68	173.40	ug/l	18000	
Cr	52	45	1	0.15	0.73	ug/l	3600	
V	51	45	1	0.38	1.89	ug/l	3600	
Ti	47	45	1	0.43	2.14	ug/l	3600	
Ca	44	45	1	9005.24	45026.20	ug/l	360000	
K	39	45	1	287.85	1439.27	ug/l	360000	
Al	27	45	1	17.57	87.85	ug/l	36000	
Mg	24	45	1	5136.64	25683.21	ug/l	90000	
Na	23	45	1	2918.32	14591.62	ug/l	90000	
B	11	6	1	13.45	67.26	ug/l	7200	
Be	9	6	1	0.01	0.06	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	453352	0.27	475056	95.4	60	120	
Tb	159	1	499564	0.75	523937	95.3	60	120	
In	115	1	137530	0.33	150316	91.5	60	120	
Kr	83	1	12	41.65	12	100.0	-1000	1000	
Ge	74	1	22731	0.89	24592	92.4	60	120	
Sc	45	1	203260	0.83	223565	90.9	60	120	
Li	6	1	49449	1.52	48998	100.9	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2416CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:44:30-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.22	2.06	ug/l	7258.92	1.29	50	94.4	90	110	
B	11	6	1	95.15	1.23	ug/l	4784.18	1.12	100	95.1	90	110	
Na	23	45	1	5121.18	0.29	ug/l	3598132.90	0.28	5000	102.4	90	110	
Mg	24	45	1	5106.34	1.51	ug/l	1841721.62	1.08	5000	102.1	90	110	
Al	27	45	1	486.15	1.03	ug/l	75790.87	0.74	500	97.2	90	110	
K	39	45	1	5011.02	0.48	ug/l	1199209.10	0.31	5000	100.2	90	110	
Ca	44	45	1	4940.41	0.58	ug/l	50440.92	0.81	5000	98.8	90	110	
Ti	47	45	1	47.47	3.59	ug/l	2830.34	3.82	50	94.9	90	110	
V	51	45	1	48.62	0.10	ug/l	78445.55	0.53	50	97.2	90	110	
Cr	52	45	1	49.00	0.61	ug/l	95031.95	0.84	50	98.0	90	110	
Mn	55	45	1	486.15	0.30	ug/l	558799.03	0.23	500	97.2	90	110	
Fe	56	45	1	4858.62	0.16	ug/l	7609808.64	0.46	5000	97.2	90	110	
Co	59	45	1	48.98	0.51	ug/l	133727.93	0.28	50	98.0	90	110	
Ni	60	45	1	48.93	1.09	ug/l	35038.37	0.97	50	97.9	90	110	
Cu	63	45	1	48.92	0.40	ug/l	91337.90	0.29	50	97.8	90	110	
Zn	66	45	1	50.68	1.53	ug/l	13663.01	1.91	50	101.4	90	110	
As	75	74	1	49.48	0.17	ug/l	7726.47	0.93	50	99.0	90	110	
Se	78	74	1	47.56	0.95	ug/l	652.66	1.57	50	95.1	90	110	
Sr	88	115	1	48.51	0.38	ug/l	51393.58	1.22	50	97.0	90	110	
Mo	95	115	1	48.53	0.46	ug/l	37269.10	0.68	50	97.1	90	110	
Ag	107	115	1	49.01	1.24	ug/l	119743.75	0.60	50	98.0	90	110	
Cd	111	115	1	49.14	1.27	ug/l	17812.02	0.79	50	98.3	90	110	
Sn	118	115	1	49.68	2.10	ug/l	39196.96	1.34	50	99.4	90	110	
Sb	121	115	1	49.43	0.53	ug/l	46871.04	1.22	50	98.9	90	110	
Ba	137	159	1	46.73	2.57	ug/l	17531.91	1.98	50	93.5	90	110	
Tl	205	209	1	10.00	0.23	ug/l	81962.15	0.77	10	100.0	90	110	
Pb	208	209	1	49.38	0.39	ug/l	540627.21	0.63	50	98.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49646	1.15	48998	101.3	60	120	
Sc	45	1	210050	0.45	223565	94.0	60	120	
Ge	74	1	23445	0.92	24592	95.3	60	120	
Kr	83	1	19	53.91	12	154.5	-1000	1000	
In	115	1	141010	0.93	150316	93.8	60	120	
Tb	159	1	501750	0.76	523937	95.8	60	120	
Bi	209	1	451121	0.90	475056	95.0	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2426CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:48:31-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	57.41	ug/l	3.89	49.42	0.2	
B	11	6	1	1.20	47.52	ug/l	172.23	16.69	20	
Na	23	45	1	-7.08	-13.08	ug/l	31192.77	1.15	50	
Mg	24	45	1	1.96	9.75	ug/l	1040.07	5.88	50	
Al	27	45	1	-1.34	-23.79	ug/l	618.36	8.41	10	
K	39	45	1	3.90	73.81	ug/l	35376.39	1.04	50	
Ca	44	45	1	-1.13	-123.48	ug/l	88.89	16.38	50	
Ti	47	45	1	0.06	110.40	ug/l	4.45	86.60	1	
V	51	45	1	0.02	71.92	ug/l	331.12	5.54	1	
Cr	52	45	1	0.03	5.32	ug/l	250.01	1.33	1	
Mn	55	45	1	0.71	16.01	ug/l	966.73	12.84	2	
Fe	56	45	1	1.83	4.94	ug/l	4800.25	2.57	30	
Co	59	45	1	0.03	29.12	ug/l	91.11	23.81	1	
Ni	60	45	1	-0.05	-41.16	ug/l	43.33	33.53	1	
Cu	63	45	1	0.04	9.79	ug/l	368.91	1.88	1	
Zn	66	45	1	-1.35	-8.76	ug/l	103.34	30.77	4	
As	75	74	1	0.04	58.59	ug/l	18.33	18.19	0.5	
Se	78	74	1	-0.21	-33.44	ug/l	4.72	18.39	0.5	
Sr	88	115	1	0.03	78.57	ug/l	55.56	43.41	1	
Mo	95	115	1	0.03	28.92	ug/l	37.78	20.38	1	
Ag	107	115	1	0.01	61.44	ug/l	38.89	47.21	1	
Cd	111	115	1	0.02	193.19	ug/l	8.89	142.00	0.5	
Sn	118	115	1	0.07	22.14	ug/l	63.34	18.23	4	
Sb	121	115	1	0.07	22.84	ug/l	81.11	18.53	0.5	
Ba	137	159	1	0.01	97.54	ug/l	11.11	17.30	1	
Tl	205	209	1	0.01	15.62	ug/l	120.00	14.44	0.2	
Pb	208	209	1	0.01	17.18	ug/l	302.23	7.83	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50963	0.97	48998	104.0	60	120	
Sc	45	1	212402	1.06	223565	95.0	60	120	
Ge	74	1	23416	1.66	24592	95.2	60	120	
Kr	83	1	14	74.18	12	118.2	-1000	1000	
In	115	1	144024	0.60	150316	95.8	60	120	
Tb	159	1	504533	0.55	523937	96.3	60	120	
Bi	209	1	462025	0.89	475056	97.3	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-60124-F-5-B@5**
Data File Name	**243SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:52:37-04:00**
Type	**Sample**
VialNumber	**3211**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.07	0.36	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	26.53	132.66	ug/l	3600	
Sb	121	115	1	0.04	0.19	ug/l	3600	
Sn	118	115	1	0.13	0.67	ug/l	3600	
Cd	111	115	1	0.01	0.06	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.02	0.11	ug/l	1800	
Sr	88	115	1	39.41	197.07	ug/l	900	
Se	78	74	1	-0.11	-0.57	ug/l	3600	
As	75	74	1	0.18	0.88	ug/l	3600	
Zn	66	45	1	-0.68	-3.39	ug/l	900	
Cu	63	45	1	0.18	0.89	ug/l	900	
Ni	60	45	1	0.07	0.37	ug/l	900	
Co	59	45	1	0.03	0.15	ug/l	1800	
Fe	56	45	1	1696.35	8481.74	ug/l	360000	
Mn	55	45	1	119.50	597.48	ug/l	18000	
Cr	52	45	1	0.09	0.45	ug/l	3600	
V	51	45	1	0.31	1.54	ug/l	3600	
Ti	47	45	1	0.13	0.67	ug/l	3600	
Ca	44	45	1	5669.10	28345.51	ug/l	360000	
K	39	45	1	336.44	1682.19	ug/l	360000	
Al	27	45	1	1.76	8.80	ug/l	36000	
Mg	24	45	1	3204.75	16023.77	ug/l	90000	
Na	23	45	1	3329.26	16646.28	ug/l	90000	
B	11	6	1	14.09	70.46	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	453216	0.93	475056	95.4	60	120	
Tb	159	1	505244	0.34	523937	96.4	60	120	
In	115	1	140228	0.58	150316	93.3	60	120	
Kr	83	1	13	66.12	12	109.1	-1000	1000	
Ge	74	1	23242	1.07	24592	94.5	60	120	
Sc	45	1	208768	0.49	223565	93.4	60	120	
Li	6	1	50681	0.50	48998	103.4	60	120	

Sample Report

Sample Name	**460-60124-F-6-B@5**
Data File Name	**244SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T07:56:41-04:00**
Type	**Sample**
VialNumber	**3212**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	1.41	7.06	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	8.60	43.01	ug/l	3600	
Sb	121	115	1	0.85	4.26	ug/l	3600	
Sn	118	115	1	0.12	0.59	ug/l	3600	
Cd	111	115	1	0.37	1.86	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.03	0.17	ug/l	1800	
Sr	88	115	1	23.26	116.32	ug/l	900	
Se	78	74	1	0.01	0.07	ug/l	3600	
As	75	74	1	0.32	1.60	ug/l	3600	
Zn	66	45	1	0.04	0.19	ug/l	900	
Cu	63	45	1	0.25	1.23	ug/l	900	
Ni	60	45	1	0.22	1.11	ug/l	900	
Co	59	45	1	0.03	0.16	ug/l	1800	
Fe	56	45	1	73.03	365.13	ug/l	360000	
Mn	55	45	1	2.42	12.10	ug/l	18000	
Cr	52	45	1	0.10	0.52	ug/l	3600	
V	51	45	1	0.43	2.16	ug/l	3600	
Ti	47	45	1	0.19	0.97	ug/l	3600	
Ca	44	45	1	2837.80	14188.99	ug/l	360000	
K	39	45	1	522.74	2613.71	ug/l	360000	
Al	27	45	1	21.66	108.28	ug/l	36000	
Mg	24	45	1	1342.44	6712.19	ug/l	90000	
Na	23	45	1	1048.04	5240.22	ug/l	90000	
B	11	6	1	18.92	94.61	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	453144	0.73	475056	95.4	60	120	
Tb	159	1	498493	1.80	523937	95.1	60	120	
In	115	1	139201	1.12	150316	92.6	60	120	
Kr	83	1	4	86.60	12	36.4	-1000	1000	
Ge	74	1	23004	1.69	24592	93.5	60	120	
Sc	45	1	204770	1.21	223565	91.6	60	120	
Li	6	1	50307	0.57	48998	102.7	60	120	

Sample Report

Sample Name	**460-60124-F-7-B@5**
Data File Name	**245SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:00:46-04:00**
Type	**Sample**
VialNumber	**3301**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.17	0.87	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	62.44	312.19	ug/l	3600	
Sb	121	115	1	0.02	0.10	ug/l	3600	
Sn	118	115	1	0.10	0.52	ug/l	3600	
Cd	111	115	1	0.03	0.17	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.04	0.19	ug/l	1800	
Sr	88	115	1	39.05	195.24	ug/l	900	
Se	78	74	1	-0.08	-0.42	ug/l	3600	
As	75	74	1	1.01	5.04	ug/l	3600	
Zn	66	45	1	7.87	39.33	ug/l	900	
Cu	63	45	1	0.16	0.81	ug/l	900	
Ni	60	45	1	-0.01	-0.04	ug/l	900	
Co	59	45	1	0.01	0.04	ug/l	1800	
Fe	56	45	1	610.18	3050.90	ug/l	360000	
Mn	55	45	1	6.12	30.62	ug/l	18000	
Cr	52	45	1	0.09	0.45	ug/l	3600	
V	51	45	1	0.71	3.54	ug/l	3600	
Ti	47	45	1	0.02	0.11	ug/l	3600	
Ca	44	45	1	6338.89	31694.45	ug/l	360000	
K	39	45	1	327.00	1635.02	ug/l	360000	
Al	27	45	1	1.83	9.16	ug/l	36000	
Mg	24	45	1	3281.19	16405.94	ug/l	90000	
Na	23	45	1	2893.41	14467.03	ug/l	90000	
B	11	6	1	5.52	27.58	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	456645	2.83	475056	96.1	60	120	
Tb	159	1	499354	3.68	523937	95.3	60	120	
In	115	1	138126	3.36	150316	91.9	60	120	
Kr	83	1	7	99.98	12	54.5	-1000	1000	
Ge	74	1	23279	3.22	24592	94.7	60	120	
Sc	45	1	207353	3.72	223565	92.7	60	120	
Li	6	1	50157	2.09	48998	102.4	60	120	

Sample Report

Sample Name	**460-60124-F-8-B@5**
Data File Name	**246SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:04:52-04:00**
Type	**Sample**
VialNumber	**3302**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	22.97	114.83	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	28.15	140.75	ug/l	3600	
Sb	121	115	1	0.08	0.38	ug/l	3600	
Sn	118	115	1	0.12	0.62	ug/l	3600	
Cd	111	115	1	0.02	0.09	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.28	1.41	ug/l	1800	
Sr	88	115	1	54.43	272.15	ug/l	900	
Se	78	74	1	0.05	0.24	ug/l	3600	
As	75	74	1	2.72	13.61	ug/l	3600	
Zn	66	45	1	0.53	2.66	ug/l	900	
Cu	63	45	1	0.56	2.78	ug/l	900	
Ni	60	45	1	0.25	1.23	ug/l	900	
Co	59	45	1	0.04	0.20	ug/l	1800	
Fe	56	45	1	1132.21	5661.07	ug/l	360000	
Mn	55	45	1	34.43	172.13	ug/l	18000	
Cr	52	45	1	0.11	0.56	ug/l	3600	
V	51	45	1	0.38	1.89	ug/l	3600	
Ti	47	45	1	0.27	1.36	ug/l	3600	
Ca	44	45	1	9150.04	45750.18	ug/l	360000	
K	39	45	1	291.33	1456.65	ug/l	360000	
Al	27	45	1	17.64	88.19	ug/l	36000	
Mg	24	45	1	5202.49	26012.45	ug/l	90000	
Na	23	45	1	2964.18	14820.89	ug/l	90000	
B	11	6	1	13.08	65.39	ug/l	7200	
Be	9	6	1	0.01	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	451296	0.58	475056	95.0	60	120	
Tb	159	1	501191	1.65	523937	95.7	60	120	
In	115	1	138223	1.56	150316	92.0	60	120	
Kr	83	1	14	35.26	12	118.2	-1000	1000	
Ge	74	1	23024	0.49	24592	93.6	60	120	
Sc	45	1	205341	1.34	223565	91.8	60	120	
Li	6	1	49939	1.65	48998	101.9	60	120	

Sample Report

Sample Name	**460-60124-F-9-B@5**
Data File Name	**247SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:08:55-04:00**
Type	**Sample**
VialNumber	**3303**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.07	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	0.04	0.18	ug/l	3600	
Sb	121	115	1	0.01	0.07	ug/l	3600	
Sn	118	115	1	0.07	0.37	ug/l	3600	
Cd	111	115	1	0.02	0.10	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	-0.01	-0.05	ug/l	1800	
Sr	88	115	1	0.04	0.19	ug/l	900	
Se	78	74	1	-0.16	-0.78	ug/l	3600	
As	75	74	1	0.14	0.72	ug/l	3600	
Zn	66	45	1	-1.08	-5.42	ug/l	900	
Cu	63	45	1	0.07	0.35	ug/l	900	
Ni	60	45	1	-0.04	-0.20	ug/l	900	
Co	59	45	1	0.00	0.01	ug/l	1800	
Fe	56	45	1	0.93	4.67	ug/l	360000	
Mn	55	45	1	0.46	2.28	ug/l	18000	
Cr	52	45	1	0.08	0.41	ug/l	3600	
V	51	45	1	0.30	1.51	ug/l	3600	
Ti	47	45	1	0.00	0.01	ug/l	3600	
Ca	44	45	1	3.72	18.61	ug/l	360000	
K	39	45	1	1.36	6.80	ug/l	360000	
Al	27	45	1	0.19	0.96	ug/l	36000	
Mg	24	45	1	0.88	4.41	ug/l	90000	
Na	23	45	1	-5.12	-25.62	ug/l	90000	
B	11	6	1	0.92	4.62	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460613	0.81	475056	97.0	60	120	
Tb	159	1	511303	0.79	523937	97.6	60	120	
In	115	1	143413	0.50	150316	95.4	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
Ge	74	1	23293	0.76	24592	94.7	60	120	
Sc	45	1	210077	0.87	223565	94.0	60	120	
Li	6	1	51230	0.20	48998	104.6	60	120	

Sample Report

Sample Name	**460-60133-F-2-B@5**
Data File Name	**248SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:13:01-04:00**
Type	**Sample**
VialNumber	**3304**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.06	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	0.03	0.16	ug/l	3600	
Sb	121	115	1	0.02	0.11	ug/l	3600	
Sn	118	115	1	0.07	0.35	ug/l	3600	
Cd	111	115	1	0.00	0.00	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.00	-0.01	ug/l	1800	
Sr	88	115	1	0.04	0.22	ug/l	900	
Se	78	74	1	-0.13	-0.65	ug/l	3600	
As	75	74	1	0.20	0.99	ug/l	3600	
Zn	66	45	1	-0.90	-4.49	ug/l	900	
Cu	63	45	1	0.16	0.79	ug/l	900	
Ni	60	45	1	0.00	-0.01	ug/l	900	
Co	59	45	1	0.01	0.03	ug/l	1800	
Fe	56	45	1	0.49	2.47	ug/l	360000	
Mn	55	45	1	0.50	2.51	ug/l	18000	
Cr	52	45	1	0.05	0.24	ug/l	3600	
V	51	45	1	0.28	1.39	ug/l	3600	
Ti	47	45	1	0.08	0.39	ug/l	3600	
Ca	44	45	1	6.27	31.33	ug/l	360000	
K	39	45	1	4.36	21.81	ug/l	360000	
Al	27	45	1	0.90	4.51	ug/l	36000	
Mg	24	45	1	0.69	3.43	ug/l	90000	
Na	23	45	1	-5.59	-27.96	ug/l	90000	
B	11	6	1	0.33	1.64	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	459195	3.01	475056	96.7	60	120	
Tb	159	1	505991	2.73	523937	96.6	60	120	
In	115	1	142177	2.81	150316	94.6	60	120	
Kr	83	1	10	120.16	12	81.8	-1000	1000	
Ge	74	1	22974	2.03	24592	93.4	60	120	
Sc	45	1	208280	3.01	223565	93.2	60	120	
Li	6	1	50847	1.71	48998	103.8	60	120	

Sample Report

Sample Name	**460-60133-F-3-B@5**
Data File Name	**249SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:17:06-04:00**
Type	**Sample**
VialNumber	**3305**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.13	0.66	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	7.66	38.30	ug/l	3600	
Sb	121	115	1	0.03	0.15	ug/l	3600	
Sn	118	115	1	0.10	0.50	ug/l	3600	
Cd	111	115	1	0.02	0.10	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.03	0.14	ug/l	1800	
Sr	88	115	1	236.39	1181.96	ug/l	900	
Se	78	74	1	-0.04	-0.21	ug/l	3600	
As	75	74	1	0.53	2.64	ug/l	3600	
Zn	66	45	1	0.20	1.00	ug/l	900	
Cu	63	45	1	0.08	0.39	ug/l	900	
Ni	60	45	1	0.51	2.53	ug/l	900	
Co	59	45	1	0.94	4.68	ug/l	1800	
Fe	56	45	1	7794.53	38972.67	ug/l	360000	
Mn	55	45	1	2072.02	10360.11	ug/l	18000	
Cr	52	45	1	0.16	0.80	ug/l	3600	
V	51	45	1	0.30	1.48	ug/l	3600	
Ti	47	45	1	0.08	0.42	ug/l	3600	
Ca	44	45	1	22628.57	113142.84	ug/l	360000	
K	39	45	1	1700.46	8502.30	ug/l	360000	
Al	27	45	1	1.22	6.08	ug/l	36000	
Mg	24	45	1	27315.83	136579.14	ug/l	90000	
Na	23	45	1	7452.45	37262.23	ug/l	90000	
B	11	6	1	13.01	65.03	ug/l	7200	
Be	9	6	1	0.03	0.17	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	416724	9.81	475056	87.7	60	120	
Tb	159	1	470289	10.39	523937	89.8	60	120	
In	115	1	128883	10.05	150316	85.7	60	120	
Kr	83	1	4	43.40	12	36.4	-1000	1000	
Ge	74	1	21906	9.78	24592	89.1	60	120	
Sc	45	1	194034	10.70	223565	86.8	60	120	
Li	6	1	46953	10.37	48998	95.8	60	120	

Sample Report

Sample Name	**460-60133-F-4-B@5**
Data File Name	**250SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:21:09-04:00**
Type	**Sample**
VialNumber	**3306**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.07	0.33	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	13.72	68.58	ug/l	3600	
Sb	121	115	1	0.09	0.44	ug/l	3600	
Sn	118	115	1	0.07	0.37	ug/l	3600	
Cd	111	115	1	0.00	0.01	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.07	0.33	ug/l	1800	
Sr	88	115	1	25.81	129.05	ug/l	900	
Se	78	74	1	-0.07	-0.33	ug/l	3600	
As	75	74	1	0.24	1.19	ug/l	3600	
Zn	66	45	1	-0.25	-1.26	ug/l	900	
Cu	63	45	1	1.24	6.18	ug/l	900	
Ni	60	45	1	0.53	2.65	ug/l	900	
Co	59	45	1	0.03	0.15	ug/l	1800	
Fe	56	45	1	692.52	3462.60	ug/l	360000	
Mn	55	45	1	5.87	29.36	ug/l	18000	
Cr	52	45	1	13.59	67.94	ug/l	3600	
V	51	45	1	0.73	3.66	ug/l	3600	
Ti	47	45	1	0.19	0.95	ug/l	3600	
Ca	44	45	1	4070.64	20353.22	ug/l	360000	
K	39	45	1	393.55	1967.74	ug/l	360000	
Al	27	45	1	9.46	47.32	ug/l	36000	
Mg	24	45	1	2470.67	12353.35	ug/l	90000	
Na	23	45	1	12313.09	61565.46	ug/l	90000	
B	11	6	1	45.12	225.61	ug/l	7200	
Be	9	6	1	0.01	0.05	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460480	1.79	475056	96.9	60	120	
Tb	159	1	510435	0.65	523937	97.4	60	120	
In	115	1	143543	1.01	150316	95.5	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
Ge	74	1	23898	1.48	24592	97.2	60	120	
Sc	45	1	211074	1.16	223565	94.4	60	120	
Ll	6	1	50880	1.13	48998	103.8	60	120	

Sample Report

Sample Name	**460-60165-H-2-C@5**
Data File Name	**251SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:25:11-04:00**
Type	**Sample**
VialNumber	**3307**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.05	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	0.01	0.05	ug/l	3600	
Sb	121	115	1	0.00	0.02	ug/l	3600	
Sn	118	115	1	0.09	0.43	ug/l	3600	
Cd	111	115	1	0.01	0.03	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.00	0.00	ug/l	1800	
Sr	88	115	1	0.08	0.39	ug/l	900	
Se	78	74	1	-0.12	-0.59	ug/l	3600	
As	75	74	1	0.14	0.72	ug/l	3600	
Zn	66	45	1	-0.25	-1.23	ug/l	900	
Cu	63	45	1	0.04	0.22	ug/l	900	
Ni	60	45	1	-0.05	-0.27	ug/l	900	
Co	59	45	1	0.00	0.00	ug/l	1800	
Fe	56	45	1	0.52	2.62	ug/l	360000	
Mn	55	45	1	0.67	3.34	ug/l	18000	
Cr	52	45	1	0.07	0.33	ug/l	3600	
V	51	45	1	0.25	1.24	ug/l	3600	
Ti	47	45	1	0.02	0.11	ug/l	3600	
Ca	44	45	1	3.07	15.33	ug/l	360000	
K	39	45	1	1.89	9.47	ug/l	360000	
Al	27	45	1	-0.02	-0.11	ug/l	36000	
Mg	24	45	1	0.81	4.03	ug/l	90000	
Na	23	45	1	-5.78	-28.89	ug/l	90000	
B	11	6	1	0.29	1.44	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460619	1.37	475056	97.0	60	120	
Tb	159	1	509952	0.92	523937	97.3	60	120	
In	115	1	143208	2.07	150316	95.3	60	120	
Kr	83	1	13	43.30	12	109.1	-1000	1000	
Ge	74	1	23504	1.81	24592	95.6	60	120	
Sc	45	1	210089	1.00	223565	94.0	60	120	
Li	6	1	51125	2.14	48998	104.3	60	120	

Sample Report

Sample Name	**460-60165-H-3-C@5**
Data File Name	**252SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:29:17-04:00**
Type	**Sample**
VialNumber	**3308**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.28	1.39	ug/l	3600	
Tl	205	209	1	0.03	0.13	ug/l	720	
Ba	137	159	1	28.91	144.57	ug/l	3600	
Sb	121	115	1	0.02	0.12	ug/l	3600	
Sn	118	115	1	0.15	0.73	ug/l	3600	
Cd	111	115	1	0.04	0.19	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.09	0.45	ug/l	1800	
Sr	88	115	1	21.75	108.76	ug/l	900	
Se	78	74	1	-0.03	-0.17	ug/l	3600	
As	75	74	1	0.43	2.14	ug/l	3600	
Zn	66	45	1	7.73	38.65	ug/l	900	
Cu	63	45	1	0.92	4.59	ug/l	900	
Ni	60	45	1	3.74	18.69	ug/l	900	
Co	59	45	1	25.64	128.19	ug/l	1800	
Fe	56	45	1	1658.21	8291.03	ug/l	360000	
Mn	55	45	1	962.80	4814.00	ug/l	18000	
Cr	52	45	1	1.19	5.96	ug/l	3600	
V	51	45	1	1.70	8.50	ug/l	3600	
Ti	47	45	1	20.49	102.47	ug/l	3600	
Ca	44	45	1	2028.71	10143.57	ug/l	360000	
K	39	45	1	1376.91	6884.53	ug/l	360000	
Al	27	45	1	438.12	2190.59	ug/l	36000	
Mg	24	45	1	1635.30	8176.49	ug/l	90000	
Na	23	45	1	46587.42	232937.12	ug/l	90000	
B	11	6	1	20.96	104.80	ug/l	7200	
Be	9	6	1	0.11	0.55	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	434977	2.94	475056	91.6	60	120	
Tb	159	1	486968	3.91	523937	92.9	60	120	
In	115	1	135351	3.67	150316	90.0	60	120	
Kr	83	1	3	100.05	12	27.3	-1000	1000	
Ge	74	1	22382	3.63	24592	91.0	60	120	
Sc	45	1	202329	4.28	223565	90.5	60	120	
Li	6	1	49116	2.28	48998	100.2	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2536CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:33:19-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.65	3.86	ug/l	7338.97	2.50	50	93.3	90	110	
B	11	6	1	93.46	3.77	ug/l	4810.87	2.34	100	93.5	90	110	
Na	23	45	1	5082.41	0.91	ug/l	3680526.79	0.17	5000	101.6	90	110	
Mg	24	45	1	5076.30	1.44	ug/l	1886993.25	0.80	5000	101.5	90	110	
Al	27	45	1	487.90	1.59	ug/l	78390.93	1.30	500	97.6	90	110	
K	39	45	1	5074.63	2.06	ug/l	1251084.05	0.95	5000	101.5	90	110	
Ca	44	45	1	4969.61	1.66	ug/l	52289.02	0.61	5000	99.4	90	110	
Ti	47	45	1	48.45	1.34	ug/l	2977.04	1.43	50	96.9	90	110	
V	51	45	1	49.16	1.81	ug/l	81723.94	0.86	50	98.3	90	110	
Cr	52	45	1	48.89	1.97	ug/l	97722.80	1.17	50	97.8	90	110	
Mn	55	45	1	481.35	1.16	ug/l	570207.75	0.10	500	96.3	90	110	
Fe	56	45	1	4821.21	0.82	ug/l	7782526.06	0.46	5000	96.4	90	110	
Co	59	45	1	48.72	0.83	ug/l	137092.26	0.38	50	97.4	90	110	
Ni	60	45	1	48.59	0.70	ug/l	35859.07	1.16	50	97.2	90	110	
Cu	63	45	1	48.81	1.59	ug/l	93907.67	0.53	50	97.6	90	110	
Zn	66	45	1	51.22	0.84	ug/l	14225.76	0.39	50	102.4	90	110	
As	75	74	1	48.73	1.35	ug/l	7807.61	1.26	50	97.5	90	110	
Se	78	74	1	49.39	4.67	ug/l	695.16	4.61	50	98.8	90	110	
Sr	88	115	1	49.66	1.29	ug/l	53438.40	0.71	50	99.3	90	110	
Mo	95	115	1	48.37	0.71	ug/l	37728.00	0.09	50	96.7	90	110	
Ag	107	115	1	49.01	1.16	ug/l	121623.12	0.54	50	98.0	90	110	
Cd	111	115	1	49.23	2.99	ug/l	18126.86	2.57	50	98.5	90	110	
Sn	118	115	1	49.50	0.55	ug/l	39674.91	1.03	50	99.0	90	110	
Sb	121	115	1	49.56	0.23	ug/l	47729.35	0.43	50	99.1	90	110	
Ba	137	159	1	47.56	0.86	ug/l	18023.60	0.74	50	95.1	90	110	
Tl	205	209	1	9.92	0.92	ug/l	81487.71	1.04	10	99.2	90	110	
Pb	208	209	1	49.43	0.59	ug/l	542609.06	0.42	50	98.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	50815	1.36	48998	103.7	60	120	
Sc	45	1	216495	1.07	223565	96.8	60	120	
Ge	74	1	24054	0.12	24592	97.8	60	120	
Kr	83	1	16	32.73	12	127.3	-1000	1000	
In	115	1	143220	0.65	150316	95.3	60	120	
Tb	159	1	506878	0.45	523937	96.7	60	120	
Bi	209	1	452339	0.40	475056	95.2	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2546CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:37:21-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	126.20	ug/l	3.89	107.88	0.2	
B	11	6	1	0.16	234.27	ug/l	121.11	15.65	20	
Na	23	45	1	-5.38	-11.50	ug/l	33056.47	0.65	50	
Mg	24	45	1	2.00	7.33	ug/l	1076.74	4.47	50	
Al	27	45	1	-1.06	-57.60	ug/l	675.03	13.95	10	
K	39	45	1	3.73	46.03	ug/l	36067.76	1.69	50	
Ca	44	45	1	-1.30	-134.79	ug/l	88.89	20.91	50	
Ti	47	45	1	0.02	309.53	ug/l	2.22	173.21	1	
V	51	45	1	0.02	172.01	ug/l	342.24	15.75	1	
Cr	52	45	1	0.03	51.05	ug/l	254.45	10.59	1	
Mn	55	45	1	0.80	5.56	ug/l	1087.85	4.95	2	
Fe	56	45	1	1.97	5.11	ug/l	5121.46	3.07	30	
Co	59	45	1	0.03	10.55	ug/l	110.00	8.01	1	
Ni	60	45	1	-0.06	-17.18	ug/l	37.78	18.36	1	
Cu	63	45	1	-0.01	-130.97	ug/l	285.57	8.28	1	
Zn	66	45	1	-1.34	-5.17	ug/l	105.56	17.96	4	
As	75	74	1	0.05	60.36	ug/l	20.00	22.04	0.5	
Se	78	74	1	-0.17	-8.77	ug/l	5.28	4.59	0.5	
Sr	88	115	1	0.03	53.37	ug/l	63.34	32.01	1	
Mo	95	115	1	0.08	12.72	ug/l	74.45	11.27	1	
Ag	107	115	1	0.01	49.48	ug/l	46.67	39.77	1	
Cd	111	115	1	0.01	121.16	ug/l	5.55	69.34	0.5	
Sn	118	115	1	0.09	32.02	ug/l	81.12	27.97	4	
Sb	121	115	1	0.06	30.36	ug/l	74.45	24.66	0.5	
Ba	137	159	1	0.00	-255.46	ug/l	7.78	49.52	1	
Tl	205	209	1	0.01	6.84	ug/l	116.67	5.72	0.2	
Pb	208	209	1	0.02	9.87	ug/l	368.90	4.98	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	51586	0.89	48998	105.3	60	120	
Sc	45	1	216773	0.71	223565	97.0	60	120	
Ge	74	1	23847	0.62	24592	97.0	60	120	
Kr	83	1	14	53.28	12	118.2	-1000	1000	
In	115	1	146567	0.47	150316	97.5	60	120	
Tb	159	1	510759	0.17	523937	97.5	60	120	
Bi	209	1	466271	0.39	475056	98.2	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-60165-H-4-E@5**
Data File Name	**255SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:41:28-04:00**
Type	**Sample**
VialNumber	**3309**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.24	ug/l	3600	
Tl	205	209	1	0.14	0.72	ug/l	720	
Ba	137	159	1	43.06	215.32	ug/l	3600	
Sb	121	115	1	0.04	0.19	ug/l	3600	
Sn	118	115	1	0.11	0.53	ug/l	3600	
Cd	111	115	1	0.11	0.53	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.01	0.07	ug/l	1800	
Sr	88	115	1	42.38	211.90	ug/l	900	
Se	78	74	1	0.01	0.03	ug/l	3600	
As	75	74	1	0.19	0.95	ug/l	3600	
Zn	66	45	1	10.51	52.54	ug/l	900	
Cu	63	45	1	0.20	1.00	ug/l	900	
Ni	60	45	1	7.99	39.93	ug/l	900	
Co	59	45	1	36.42	182.10	ug/l	1800	
Fe	56	45	1	401.74	2008.69	ug/l	360000	
Mn	55	45	1	1179.38	5896.90	ug/l	18000	
Cr	52	45	1	0.06	0.32	ug/l	3600	
V	51	45	1	0.28	1.39	ug/l	3600	
Ti	47	45	1	0.04	0.20	ug/l	3600	
Ca	44	45	1	5303.51	26517.56	ug/l	360000	
K	39	45	1	1597.73	7988.67	ug/l	360000	
Al	27	45	1	30.10	150.49	ug/l	36000	
Mg	24	45	1	4340.34	21701.72	ug/l	90000	
Na	23	45	1	20502.01	102510.03	ug/l	90000	
B	11	6	1	24.51	122.56	ug/l	7200	
Be	9	6	1	0.16	0.78	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	444625	0.57	475056	93.6	60	120	
Tb	159	1	508096	0.87	523937	97.0	60	120	
In	115	1	141901	0.97	150316	94.4	60	120	
Kr	83	1	14	13.35	12	118.2	-1000	1000	
Ge	74	1	23899	0.79	24592	97.2	60	120	
Sc	45	1	212395	0.74	223565	95.0	60	120	
Li	6	1	50931	0.90	48998	103.9	60	120	

Sample Report

Sample Name	**460-60165-H-5-C@5**
Data File Name	**256SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:45:34-04:00**
Type	**Sample**
VialNumber	**3310**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.27	1.37	ug/l	3600	
Tl	205	209	1	0.04	0.22	ug/l	720	
Ba	137	159	1	22.16	110.79	ug/l	3600	
Sb	121	115	1	0.09	0.44	ug/l	3600	
Sn	118	115	1	0.15	0.75	ug/l	3600	
Cd	111	115	1	0.13	0.64	ug/l	3600	
Ag	107	115	1	0.00	0.02	ug/l	180	
Mo	95	115	1	0.01	0.05	ug/l	1800	
Sr	88	115	1	47.73	238.66	ug/l	900	
Se	78	74	1	0.10	0.48	ug/l	3600	
As	75	74	1	0.33	1.65	ug/l	3600	
Zn	66	45	1	11.93	59.65	ug/l	900	
Cu	63	45	1	1.62	8.10	ug/l	900	
Ni	60	45	1	7.99	39.96	ug/l	900	
Co	59	45	1	11.18	55.90	ug/l	1800	
Fe	56	45	1	607.33	3036.65	ug/l	360000	
Mn	55	45	1	224.06	1120.29	ug/l	18000	
Cr	52	45	1	0.36	1.78	ug/l	3600	
V	51	45	1	0.48	2.39	ug/l	3600	
Ti	47	45	1	2.28	11.40	ug/l	3600	
Ca	44	45	1	4638.93	23194.64	ug/l	360000	
K	39	45	1	859.50	4297.50	ug/l	360000	
Al	27	45	1	187.40	936.98	ug/l	36000	
Mg	24	45	1	2848.77	14243.83	ug/l	90000	
Na	23	45	1	37684.07	188420.34	ug/l	90000	
B	11	6	1	5.14	25.68	ug/l	7200	
Be	9	6	1	0.15	0.74	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	432181	2.80	475056	91.0	60	120	
Tb	159	1	489166	3.28	523937	93.4	60	120	
In	115	1	135420	3.42	150316	90.1	60	120	
Kr	83	1	20	28.86	12	163.6	-1000	1000	
Ge	74	1	22831	2.68	24592	92.8	60	120	
Sc	45	1	206065	3.16	223565	92.2	60	120	
Li	6	1	48982	3.60	48998	100.0	60	120	

Sample Report

Sample Name	**460-60165-H-6-C@5**
Data File Name	**257SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:49:39-04:00**
Type	**Sample**
VialNumber	**3311**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.10	0.50	ug/l	3600	
Tl	205	209	1	0.01	0.06	ug/l	720	
Ba	137	159	1	17.95	89.73	ug/l	3600	
Sb	121	115	1	0.04	0.20	ug/l	3600	
Sn	118	115	1	0.09	0.47	ug/l	3600	
Cd	111	115	1	0.02	0.09	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.05	0.26	ug/l	1800	
Sr	88	115	1	96.43	482.15	ug/l	900	
Se	78	74	1	0.59	2.97	ug/l	3600	
As	75	74	1	0.77	3.86	ug/l	3600	
Zn	66	45	1	10.56	52.82	ug/l	900	
Cu	63	45	1	0.72	3.58	ug/l	900	
Ni	60	45	1	118.68	593.41	ug/l	900	
Co	59	45	1	9.87	49.37	ug/l	1800	
Fe	56	45	1	6490.52	32452.60	ug/l	360000	
Mn	55	45	1	684.58	3422.88	ug/l	18000	
Cr	52	45	1	0.15	0.76	ug/l	3600	
V	51	45	1	0.54	2.71	ug/l	3600	
Ti	47	45	1	0.02	0.10	ug/l	3600	
Ca	44	45	1	24253.74	121268.70	ug/l	360000	
K	39	45	1	538.85	2694.25	ug/l	360000	
Al	27	45	1	6.06	30.29	ug/l	36000	
Mg	24	45	1	7074.41	35372.05	ug/l	90000	
Na	23	45	1	4598.54	22992.72	ug/l	90000	
B	11	6	1	21.83	109.15	ug/l	7200	
Be	9	6	1	0.02	0.12	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	454549	0.48	475056	95.7	60	120	
Tb	159	1	513989	0.58	523937	98.1	60	120	
In	115	1	141534	0.76	150316	94.2	60	120	
Kr	83	1	28	24.98	12	227.2	-1000	1000	
Ge	74	1	23567	0.42	24592	95.8	60	120	
Sc	45	1	213274	0.25	223565	95.4	60	120	
Li	6	1	50900	0.45	48998	103.9	60	120	

Sample Report

Sample Name	**460-60165-H-7-C@5**
Data File Name	**258SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:53:42-04:00**
Type	**Sample**
VialNumber	**3312**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	0.29	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	11.63	58.16	ug/l	3600	
Sb	121	115	1	0.03	0.16	ug/l	3600	
Sn	118	115	1	0.09	0.45	ug/l	3600	
Cd	111	115	1	0.03	0.16	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.00	0.02	ug/l	1800	
Sr	88	115	1	16.92	84.59	ug/l	900	
Se	78	74	1	-0.10	-0.52	ug/l	3600	
As	75	74	1	0.19	0.97	ug/l	3600	
Zn	66	45	1	2.17	10.84	ug/l	900	
Cu	63	45	1	0.12	0.60	ug/l	900	
Ni	60	45	1	27.60	137.99	ug/l	900	
Co	59	45	1	2.55	12.77	ug/l	1800	
Fe	56	45	1	907.26	4536.29	ug/l	360000	
Mn	55	45	1	74.03	370.17	ug/l	18000	
Cr	52	45	1	0.12	0.60	ug/l	3600	
V	51	45	1	0.32	1.58	ug/l	3600	
Ti	47	45	1	0.29	1.46	ug/l	3600	
Ca	44	45	1	3027.35	15136.74	ug/l	360000	
K	39	45	1	417.97	2089.85	ug/l	360000	
Al	27	45	1	14.27	71.37	ug/l	36000	
Mg	24	45	1	810.33	4051.67	ug/l	90000	
Na	23	45	1	1319.21	6596.04	ug/l	90000	
B	11	6	1	9.76	48.82	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	435843	10.43	475056	91.7	60	120	
Tb	159	1	485505	10.63	523937	92.7	60	120	
In	115	1	135927	10.10	150316	90.4	60	120	
Kr	83	1	13	43.30	12	109.1	-1000	1000	
Ge	74	1	22666	10.72	24592	92.2	60	120	
Sc	45	1	200247	10.79	223565	89.6	60	120	
Li	6	1	48267	10.48	48998	98.5	60	120	

Sample Report

Sample Name	**460-60165-H-8-C@5**
Data File Name	**259SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T08:57:47-04:00**
Type	**Sample**
VialNumber	**3401**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.20	0.99	ug/l	3600	
Tl	205	209	1	0.01	0.05	ug/l	720	
Ba	137	159	1	7.28	36.40	ug/l	3600	
Sb	121	115	1	0.07	0.35	ug/l	3600	
Sn	118	115	1	0.12	0.61	ug/l	3600	
Cd	111	115	1	0.04	0.19	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.01	0.06	ug/l	1800	
Sr	88	115	1	28.91	144.53	ug/l	900	
Se	78	74	1	0.37	1.86	ug/l	3600	
As	75	74	1	0.84	4.18	ug/l	3600	
Zn	66	45	1	43.96	219.79	ug/l	900	
Cu	63	45	1	2.16	10.79	ug/l	900	
Ni	60	45	1	129.13	645.65	ug/l	900	
Co	59	45	1	3.55	17.75	ug/l	1800	
Fe	56	45	1	9760.86	48804.31	ug/l	360000	
Mn	55	45	1	43.87	219.35	ug/l	18000	
Cr	52	45	1	0.11	0.54	ug/l	3600	
V	51	45	1	0.72	3.58	ug/l	3600	
Tl	47	45	1	0.02	0.10	ug/l	3600	
Ca	44	45	1	6051.38	30256.89	ug/l	360000	
K	39	45	1	1909.34	9546.72	ug/l	360000	
Al	27	45	1	103.43	517.16	ug/l	36000	
Mg	24	45	1	2187.06	10935.30	ug/l	90000	
Na	23	45	1	2814.78	14073.89	ug/l	90000	
B	11	6	1	26.74	133.68	ug/l	7200	
Be	9	6	1	0.22	1.08	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	465256	0.81	475056	97.9	60	120	
Tb	159	1	522749	0.72	523937	99.8	60	120	
In	115	1	145382	1.22	150316	96.7	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
Ge	74	1	24340	0.78	24592	99.0	60	120	
Sc	45	1	217356	0.68	223565	97.2	60	120	
Li	6	1	52283	0.71	48998	106.7	60	120	

Sample Report

Sample Name	**460-60165-H-9-C@5**
Data File Name	**260SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:01:52-04:00**
Type	**Sample**
VialNumber	**3402**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.04	0.18	ug/l	3600	
Tl	205	209	1	0.02	0.11	ug/l	720	
Ba	137	159	1	18.84	94.22	ug/l	3600	
Sb	121	115	1	0.02	0.12	ug/l	3600	
Sn	118	115	1	0.07	0.36	ug/l	3600	
Cd	111	115	1	0.01	0.04	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.00	0.00	ug/l	1800	
Sr	88	115	1	28.58	142.90	ug/l	900	
Se	78	74	1	-0.03	-0.13	ug/l	3600	
As	75	74	1	1.36	6.79	ug/l	3600	
Zn	66	45	1	14.55	72.75	ug/l	900	
Cu	63	45	1	0.31	1.55	ug/l	900	
Ni	60	45	1	17.90	89.52	ug/l	900	
Co	59	45	1	5.67	28.33	ug/l	1800	
Fe	56	45	1	1779.22	8896.11	ug/l	360000	
Mn	55	45	1	39.82	199.12	ug/l	18000	
Cr	52	45	1	0.11	0.55	ug/l	3600	
V	51	45	1	0.34	1.69	ug/l	3600	
Tl	47	45	1	0.18	0.92	ug/l	3600	
Ca	44	45	1	1692.35	8461.75	ug/l	360000	
K	39	45	1	362.22	1811.08	ug/l	360000	
Al	27	45	1	32.46	162.32	ug/l	36000	
Mg	24	45	1	2934.36	14671.82	ug/l	90000	
Na	23	45	1	10595.05	52975.26	ug/l	90000	
B	11	6	1	7.06	35.30	ug/l	7200	
Be	9	6	1	0.31	1.55	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	460137	0.34	475056	96.9	60	120	
Tb	159	1	515238	0.31	523937	98.3	60	120	
In	115	1	145437	0.27	150316	96.8	60	120	
Kr	83	1	11	45.82	12	90.9	-1000	1000	
Ge	74	1	23962	1.16	24592	97.4	60	120	
Sc	45	1	214593	0.49	223565	96.0	60	120	
Li	6	1	51580	1.35	48998	105.3	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2616CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:05:54-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.24	1.41	ug/l	7490.71	0.87	50	94.5	90	110	
B	11	6	1	93.04	5.90	ug/l	4828.66	6.21	100	93.0	90	110	
Na	23	45	1	5032.87	0.65	ug/l	3696663.31	0.32	5000	100.7	90	110	
Mg	24	45	1	5061.44	0.19	ug/l	1908203.48	0.51	5000	101.2	90	110	
Al	27	45	1	490.50	1.21	ug/l	79920.59	1.01	500	98.1	90	110	
K	39	45	1	5030.33	0.24	ug/l	1258181.00	0.77	5000	100.6	90	110	
Ca	44	45	1	4987.18	1.14	ug/l	53218.73	0.59	5000	99.7	90	110	
Ti	47	45	1	48.99	6.59	ug/l	3052.62	6.71	50	98.0	90	110	
V	51	45	1	49.08	0.26	ug/l	82762.51	0.80	50	98.2	90	110	
Cr	52	45	1	49.12	0.75	ug/l	99574.85	0.41	50	98.2	90	110	
Mn	55	45	1	486.38	1.24	ug/l	584331.44	0.66	500	97.3	90	110	
Fe	56	45	1	4866.53	0.81	ug/l	7966821.96	0.23	5000	97.3	90	110	
Co	59	45	1	48.70	0.92	ug/l	138955.02	0.45	50	97.4	90	110	
Ni	60	45	1	49.02	1.07	ug/l	36688.79	0.49	50	98.0	90	110	
Cu	63	45	1	49.23	0.37	ug/l	96056.95	0.45	50	98.5	90	110	
Zn	66	45	1	50.34	0.53	ug/l	14186.82	0.10	50	100.7	90	110	
As	75	74	1	48.68	1.29	ug/l	7860.99	1.26	50	97.4	90	110	
Se	78	74	1	48.35	2.49	ug/l	685.85	0.56	50	96.7	90	110	
Sr	88	115	1	49.24	0.57	ug/l	54037.24	0.58	50	98.5	90	110	
Mo	95	115	1	48.17	1.59	ug/l	38310.53	0.66	50	96.3	90	110	
Ag	107	115	1	48.60	0.60	ug/l	122999.63	0.72	50	97.2	90	110	
Cd	111	115	1	48.23	1.27	ug/l	18109.00	1.16	50	96.5	90	110	
Sn	118	115	1	49.81	0.55	ug/l	40709.82	0.42	50	99.6	90	110	
Sb	121	115	1	48.91	1.48	ug/l	48039.09	1.00	50	97.8	90	110	
Ba	137	159	1	47.60	0.88	ug/l	18395.15	0.65	50	95.2	90	110	
Tl	205	209	1	9.92	1.30	ug/l	82309.94	0.74	10	99.2	90	110	
Pb	208	209	1	49.42	0.25	ug/l	547914.73	1.08	50	98.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	51207	0.94	48998	104.5	60	120	
Sc	45	1	219554	0.58	223565	98.2	60	120	
Ge	74	1	24247	1.89	24592	98.6	60	120	
Kr	83	1	17	39.99	12	136.4	-1000	1000	
In	115	1	146062	0.97	150316	97.2	60	120	
Tb	159	1	516891	0.50	523937	98.7	60	120	
Bi	209	1	456888	1.00	475056	96.2	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2626CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:09:56-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	1.48	ug/l	3.33	0.00	0.2	
B	11	6	1	0.45	106.98	ug/l	137.78	18.79	20	
Na	23	45	1	-8.56	-3.60	ug/l	31738.30	0.65	50	
Mg	24	45	1	2.17	22.81	ug/l	1176.75	15.68	50	
Al	27	45	1	-1.00	-12.70	ug/l	706.70	3.19	10	
K	39	45	1	-0.13	-1400.91	ug/l	36238.16	1.03	50	
Ca	44	45	1	-1.76	-21.18	ug/l	86.67	5.09	50	
Ti	47	45	1	0.02	158.40	ug/l	2.22	86.60	1	
V	51	45	1	0.02	223.92	ug/l	345.57	16.99	1	
Cr	52	45	1	0.01	82.58	ug/l	231.12	8.69	1	
Mn	55	45	1	0.49	5.95	ug/l	743.37	5.29	2	
Fe	56	45	1	2.21	13.30	ug/l	5681.66	8.20	30	
Co	59	45	1	0.03	4.68	ug/l	118.90	4.28	1	
Ni	60	45	1	-0.05	-20.75	ug/l	44.45	17.33	1	
Cu	63	45	1	0.01	266.66	ug/l	327.79	10.87	1	
Zn	66	45	1	-1.33	-5.54	ug/l	113.33	18.37	4	
As	75	74	1	0.01	88.65	ug/l	15.00	11.13	0.5	
Se	78	74	1	-0.13	-58.25	ug/l	6.25	17.63	0.5	
Sr	88	115	1	0.03	8.46	ug/l	63.34	5.27	1	
Mo	95	115	1	0.05	26.33	ug/l	52.22	20.52	1	
Ag	107	115	1	0.02	22.30	ug/l	54.45	18.71	1	
Cd	111	115	1	0.01	36.17	ug/l	7.78	24.71	0.5	
Sn	118	115	1	0.10	26.05	ug/l	94.45	23.50	4	
Sb	121	115	1	0.07	13.57	ug/l	84.45	11.39	0.5	
Ba	137	159	1	0.03	60.62	ug/l	22.22	34.66	1	
Tl	205	209	1	0.01	21.48	ug/l	136.67	19.97	0.2	
Pb	208	209	1	0.02	19.56	ug/l	363.35	9.67	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	52356	1.22	48998	106.9	60	120	
Sc	45	1	223549	0.56	223565	100.0	60	120	
Ge	74	1	25010	0.67	24592	101.7	60	120	
Kr	83	1	11	75.52	12	90.9	-1000	1000	
In	115	1	151206	0.29	150316	100.6	60	120	
Tb	159	1	525300	0.44	523937	100.3	60	120	
Bi	209	1	474610	0.66	475056	99.9	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-59405-D-1-B@5**
Data File Name	**263SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:14:02-04:00**
Type	**Sample**
VialNumber	**3501**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.29	1.43	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	10.40	51.99	ug/l	3600	
Sb	121	115	1	0.07	0.34	ug/l	3600	
Sn	118	115	1	0.15	0.74	ug/l	3600	
Cd	111	115	1	0.01	0.05	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.13	0.67	ug/l	1800	
Sr	88	115	1	289.80	1449.01	ug/l	900	
Se	78	74	1	0.00	-0.02	ug/l	3600	
As	75	74	1	1.21	6.06	ug/l	3600	
Zn	66	45	1	0.41	2.06	ug/l	900	
Cu	63	45	1	0.54	2.72	ug/l	900	
Ni	60	45	1	0.25	1.26	ug/l	900	
Co	59	45	1	0.10	0.50	ug/l	1800	
Fe	56	45	1	2593.35	12966.74	ug/l	360000	
Mn	55	45	1	442.51	2212.55	ug/l	18000	
Cr	52	45	1	0.38	1.92	ug/l	3600	
V	51	45	1	0.70	3.49	ug/l	3600	
Ti	47	45	1	1.76	8.80	ug/l	3600	
Ca	44	45	1	38809.20	194046.00	ug/l	360000	
K	39	45	1	10219.26	51096.28	ug/l	360000	
Al	27	45	1	64.40	322.00	ug/l	36000	
Mg	24	45	1	26674.76	133373.80	ug/l	90000	
Na	23	45	1	210919.97	1054599.87	ug/l	90000	fail
B	11	6	1	137.59	687.97	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	398162	2.63	475056	83.8	60	120	
Tb	159	1	480011	2.56	523937	91.6	60	120	
In	115	1	132765	2.55	150316	88.3	60	120	
Kr	83	1	12	68.66	12	100.0	-1000	1000	
Ge	74	1	22540	1.12	24592	91.7	60	120	
Sc	45	1	206853	3.37	223565	92.5	60	120	
Li	6	1	47024	2.38	48998	96.0	60	120	

Sample Report

Sample Name	**460-59405-D-2-B@5**
Data File Name	**264SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:18:04-04:00**
Type	**Sample**
VialNumber	**3502**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.12	ug/l	3600	
Tl	205	209	1	0.01	0.07	ug/l	720	
Ba	137	159	1	26.13	130.67	ug/l	3600	
Sb	121	115	1	0.07	0.37	ug/l	3600	
Sn	118	115	1	0.14	0.68	ug/l	3600	
Cd	111	115	1	0.01	0.05	ug/l	3600	
Ag	107	115	1	0.00	0.00	ug/l	180	
Mo	95	115	1	0.28	1.42	ug/l	1800	
Sr	88	115	1	518.63	2593.17	ug/l	900	
Se	78	74	1	0.04	0.22	ug/l	3600	
As	75	74	1	0.70	3.50	ug/l	3600	
Zn	66	45	1	-0.48	-2.39	ug/l	900	
Cu	63	45	1	0.26	1.30	ug/l	900	
Ni	60	45	1	0.16	0.79	ug/l	900	
Co	59	45	1	0.03	0.15	ug/l	1800	
Fe	56	45	1	9.91	49.56	ug/l	360000	
Mn	55	45	1	188.64	943.18	ug/l	18000	
Cr	52	45	1	0.26	1.28	ug/l	3600	
V	51	45	1	0.81	4.05	ug/l	3600	
Tl	47	45	1	0.27	1.34	ug/l	3600	
Ca	44	45	1	41589.17	207945.86	ug/l	360000	
K	39	45	1	19503.17	97515.84	ug/l	360000	
Al	27	45	1	3.19	15.97	ug/l	36000	
Mg	24	45	1	68769.01	343845.07	ug/l	90000	
Na	23	45	1	534351.67	2671758.34	ug/l	90000	fail
B	11	6	1	269.10	1345.52	ug/l	7200	
Be	9	6	1	0.00	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	369957	1.08	475056	77.9	60	120	
Tb	159	1	462393	1.83	523937	88.3	60	120	
In	115	1	129517	1.56	150316	86.2	60	120	
Kr	83	1	10	33.30	12	81.8	-1000	1000	
Ge	74	1	22349	2.10	24592	90.9	60	120	
Sc	45	1	206767	3.51	223565	92.5	60	120	
Li	6	1	45433	2.22	48998	92.7	60	120	

Sample Report

Sample Name	**460-59405-D-3-D@5**
Data File Name	**265SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:22:10-04:00**
Type	**Sample**
VialNumber	**3503**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.03	0.13	ug/l	3600	
Tl	205	209	1	0.02	0.12	ug/l	720	
Ba	137	159	1	24.42	122.12	ug/l	3600	
Sb	121	115	1	0.08	0.38	ug/l	3600	
Sn	118	115	1	0.08	0.39	ug/l	3600	
Cd	111	115	1	0.02	0.10	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.39	1.97	ug/l	1800	
Sr	88	115	1	544.68	2723.38	ug/l	900	
Se	78	74	1	-0.02	-0.09	ug/l	3600	
As	75	74	1	0.70	3.50	ug/l	3600	
Zn	66	45	1	-0.16	-0.81	ug/l	900	
Cu	63	45	1	0.36	1.82	ug/l	900	
Ni	60	45	1	0.32	1.58	ug/l	900	
Co	59	45	1	0.04	0.19	ug/l	1800	
Fe	56	45	1	20.21	101.07	ug/l	360000	
Mn	55	45	1	168.07	840.37	ug/l	18000	
Cr	52	45	1	0.23	1.14	ug/l	3600	
V	51	45	1	0.88	4.39	ug/l	3600	
Ti	47	45	1	0.37	1.86	ug/l	3600	
Ca	44	45	1	40925.28	204626.40	ug/l	360000	
K	39	45	1	21077.17	105385.86	ug/l	360000	
Al	27	45	1	4.06	20.29	ug/l	36000	
Mg	24	45	1	72590.22	362951.12	ug/l	90000	
Na	23	45	1	577894.21	2889471.04	ug/l	90000	fail
B	11	6	1	294.03	1470.14	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	371855	0.83	475056	78.3	60	120	
Tb	159	1	468674	1.93	523937	89.5	60	120	
In	115	1	132257	1.39	150316	88.0	60	120	
Kr	83	1	13	43.30	12	109.1	-1000	1000	
Ge	74	1	22662	0.73	24592	92.1	60	120	
Sc	45	1	213349	2.36	223565	95.4	60	120	
Li	6	1	47138	1.12	48998	96.2	60	120	

Sample Report

Sample Name	**460-59405-D-4-B@5**
Data File Name	**266SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:26:18-04:00**
Type	**Sample**
VialNumber	**3504**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.01	0.04	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	0.05	0.27	ug/l	3600	
Sb	121	115	1	0.02	0.10	ug/l	3600	
Sn	118	115	1	0.09	0.43	ug/l	3600	
Cd	111	115	1	0.02	0.10	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.00	0.01	ug/l	1800	
Sr	88	115	1	0.17	0.83	ug/l	900	
Se	78	74	1	-0.06	-0.32	ug/l	3600	
As	75	74	1	0.21	1.04	ug/l	3600	
Zn	66	45	1	-0.75	-3.75	ug/l	900	
Cu	63	45	1	0.10	0.51	ug/l	900	
Ni	60	45	1	-0.07	-0.33	ug/l	900	
Co	59	45	1	0.00	-0.02	ug/l	1800	
Fe	56	45	1	0.24	1.19	ug/l	360000	
Mn	55	45	1	0.09	0.43	ug/l	18000	
Cr	52	45	1	0.03	0.15	ug/l	3600	
V	51	45	1	0.48	2.41	ug/l	3600	
Ti	47	45	1	0.02	0.10	ug/l	3600	
Ca	44	45	1	6.03	30.17	ug/l	360000	
K	39	45	1	0.60	2.98	ug/l	360000	
Al	27	45	1	0.32	1.59	ug/l	36000	
Mg	24	45	1	6.27	31.33	ug/l	90000	
Na	23	45	1	89.85	449.24	ug/l	90000	
B	11	6	1	3.72	18.58	ug/l	7200	
Be	9	6	1	0.00	0.00	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	454954	0.26	475056	95.8	60	120	
Tb	159	1	511738	0.29	523937	97.7	60	120	
In	115	1	146813	0.25	150316	97.7	60	120	
Kr	83	1	11	34.61	12	90.9	-1000	1000	
Ge	74	1	23805	0.93	24592	96.8	60	120	
Sc	45	1	216933	0.30	223565	97.0	60	120	
Li	6	1	52087	0.20	48998	106.3	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**267SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:30:26-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.05	ug/l	3600	
Tl	205	209	1	0.02	0.02	ug/l	720	
Ba	137	159	1	0.13	0.13	ug/l	3600	
Sb	121	115	1	0.04	0.04	ug/l	3600	
Sn	118	115	1	0.05	0.05	ug/l	3600	
Cd	111	115	1	0.04	0.04	ug/l	3600	
Ag	107	115	1	0.04	0.04	ug/l	180	
Mo	95	115	1	0.14	0.14	ug/l	1800	
Sr	88	115	1	0.35	0.35	ug/l	900	
Se	78	74	1	-0.13	-0.13	ug/l	3600	
As	75	74	1	0.06	0.06	ug/l	3600	
Zn	66	45	1	-1.17	-1.17	ug/l	900	
Cu	63	45	1	0.11	0.11	ug/l	900	
Ni	60	45	1	0.04	0.04	ug/l	900	
Co	59	45	1	0.07	0.07	ug/l	1800	
Fe	56	45	1	32.83	32.83	ug/l	360000	
Mn	55	45	1	3.26	3.26	ug/l	18000	
Cr	52	45	1	0.07	0.07	ug/l	3600	
V	51	45	1	0.17	0.17	ug/l	3600	
Ti	47	45	1	0.17	0.17	ug/l	3600	
Ca	44	45	1	77.21	77.21	ug/l	360000	
K	39	45	1	14.60	14.60	ug/l	360000	
Al	27	45	1	12.05	12.05	ug/l	36000	
Mg	24	45	1	29.17	29.17	ug/l	90000	
Na	23	45	1	118.10	118.10	ug/l	90000	
B	11	6	1	1.06	1.06	ug/l	7200	
Be	9	6	1	0.05	0.05	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	441615	1.10	475056	93.0	60	120	
Tb	159	1	486042	1.53	523937	92.8	60	120	
In	115	1	141310	1.23	150316	94.0	60	120	
Kr	83	1	13	25.01	12	109.1	-1000	1000	
Ge	74	1	23358	0.47	24592	95.0	60	120	
Sc	45	1	207002	1.74	223565	92.6	60	120	
Li	6	1	47450	0.97	48998	96.8	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**268SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:34:33-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.05	ug/l	3600	
Tl	205	209	1	0.01	0.01	ug/l	720	
Ba	137	159	1	0.12	0.12	ug/l	3600	
Sb	121	115	1	0.03	0.03	ug/l	3600	
Sn	118	115	1	0.05	0.05	ug/l	3600	
Cd	111	115	1	0.06	0.06	ug/l	3600	
Ag	107	115	1	0.05	0.05	ug/l	180	
Mo	95	115	1	0.11	0.11	ug/l	1800	
Sr	88	115	1	0.34	0.34	ug/l	900	
Se	78	74	1	-0.07	-0.07	ug/l	3600	
As	75	74	1	0.06	0.06	ug/l	3600	
Zn	66	45	1	-1.20	-1.20	ug/l	900	
Cu	63	45	1	0.07	0.07	ug/l	900	
Ni	60	45	1	0.02	0.02	ug/l	900	
Co	59	45	1	0.07	0.07	ug/l	1800	
Fe	56	45	1	31.62	31.62	ug/l	360000	
Mn	55	45	1	2.98	2.98	ug/l	18000	
Cr	52	45	1	0.09	0.09	ug/l	3600	
V	51	45	1	0.07	0.07	ug/l	3600	
Ti	47	45	1	0.15	0.15	ug/l	3600	
Ca	44	45	1	77.60	77.60	ug/l	360000	
K	39	45	1	12.60	12.60	ug/l	360000	
Al	27	45	1	11.14	11.14	ug/l	36000	
Mg	24	45	1	29.78	29.78	ug/l	90000	
Na	23	45	1	122.04	122.04	ug/l	90000	
B	11	6	1	0.97	0.97	ug/l	7200	
Be	9	6	1	0.02	0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	448912	0.02	475056	94.5	60	120	
Tb	159	1	497648	0.71	523937	95.0	60	120	
In	115	1	144548	0.19	150316	96.2	60	120	
Kr	83	1	8	107.84	12	63.6	-1000	1000	
Ge	74	1	23598	1.88	24592	96.0	60	120	
Sc	45	1	210004	0.88	223565	93.9	60	120	
Li	6	1	47774	1.19	48998	97.5	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2696CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:38:39-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.90	1.73	ug/l	6805.95	1.73	50	95.8	90	110	
B	11	6	1	97.65	2.73	ug/l	4537.44	4.57	100	97.7	90	110	
Na	23	45	1	5039.19	2.15	ug/l	3471728.80	0.26	5000	100.8	90	110	
Mg	24	45	1	5070.94	2.11	ug/l	1793198.01	0.08	5000	101.4	90	110	
Al	27	45	1	499.78	2.45	ug/l	76364.60	0.40	500	100.0	90	110	
K	39	45	1	5074.64	2.69	ug/l	1190144.11	0.59	5000	101.5	90	110	
Ca	44	45	1	5055.81	1.80	ug/l	50607.53	0.38	5000	101.1	90	110	
Ti	47	45	1	50.52	2.15	ug/l	2952.60	0.28	50	101.0	90	110	
V	51	45	1	49.99	2.59	ug/l	79059.80	0.56	50	100.0	90	110	
Cr	52	45	1	49.69	1.94	ug/l	94476.31	0.42	50	99.4	90	110	
Mn	55	45	1	494.62	2.26	ug/l	557385.43	0.23	500	98.9	90	110	
Fe	56	45	1	4919.93	2.02	ug/l	7554931.00	0.07	5000	98.4	90	110	
Co	59	45	1	49.37	2.82	ug/l	132139.48	0.80	50	98.7	90	110	
Ni	60	45	1	49.17	3.11	ug/l	34518.42	1.48	50	98.3	90	110	
Cu	63	45	1	49.30	2.32	ug/l	90228.07	0.90	50	98.6	90	110	
Zn	66	45	1	49.75	1.61	ug/l	13155.88	0.60	50	99.5	90	110	
As	75	74	1	48.93	3.50	ug/l	7517.46	2.86	50	97.9	90	110	
Se	78	74	1	49.70	2.14	ug/l	670.71	1.03	50	99.4	90	110	
Sr	88	115	1	50.03	3.76	ug/l	52205.33	0.96	50	100.1	90	110	
Mo	95	115	1	48.55	3.86	ug/l	36722.16	0.88	50	97.1	90	110	
Ag	107	115	1	48.56	2.79	ug/l	116877.11	0.44	50	97.1	90	110	
Cd	111	115	1	48.09	2.29	ug/l	17182.41	3.36	50	96.2	90	110	
Sn	118	115	1	50.28	3.17	ug/l	39082.33	1.32	50	100.6	90	110	
Sb	121	115	1	49.29	4.37	ug/l	46028.45	1.58	50	98.6	90	110	
Ba	137	159	1	47.58	2.10	ug/l	17211.53	0.38	50	95.2	90	110	
Tl	205	209	1	9.97	2.62	ug/l	78608.16	0.50	10	99.7	90	110	
Pb	208	209	1	49.50	2.53	ug/l	521247.75	0.59	50	99.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	45893	3.04	48998	93.7	60	120	
Sc	45	1	205993	2.01	223565	92.1	60	120	
Ge	74	1	23074	2.17	24592	93.8	60	120	
Kr	83	1	11	105.35	12	90.9	-1000	1000	
In	115	1	138982	2.96	150316	92.5	60	120	
Tb	159	1	483900	2.22	523937	92.4	60	120	
Bi	209	1	434060	2.23	475056	91.4	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2706CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:42:42-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	112.22	ug/l	2.22	86.60	0.2	
B	11	6	1	0.80	1.64	ug/l	140.01	0.00	20	
Na	23	45	1	17.90	2.42	ug/l	48629.88	0.42	50	
Mg	24	45	1	2.07	9.66	ug/l	1080.07	6.68	50	
Al	27	45	1	-1.23	-14.44	ug/l	633.91	4.48	10	
K	39	45	1	-2.11	-129.91	ug/l	33870.87	1.82	50	
Ca	44	45	1	-2.56	-9.31	ug/l	73.89	3.45	50	
Ti	47	45	1	0.04	139.80	ug/l	3.33	100.05	1	
V	51	45	1	0.04	51.22	ug/l	372.24	9.58	1	
Cr	52	45	1	0.00	321.66	ug/l	203.34	14.01	1	
Mn	55	45	1	0.61	6.64	ug/l	852.27	5.32	2	
Fe	56	45	1	2.17	2.96	ug/l	5323.19	1.90	30	
Co	59	45	1	0.03	37.09	ug/l	96.67	30.06	1	
Ni	60	45	1	-0.05	-23.88	ug/l	40.00	22.05	1	
Cu	63	45	1	0.01	153.65	ug/l	321.13	11.39	1	
Zn	66	45	1	-1.38	-4.06	ug/l	93.34	15.56	4	
As	75	74	1	0.06	42.85	ug/l	21.11	16.44	0.5	
Se	78	74	1	-0.02	-285.94	ug/l	7.36	8.64	0.5	
Sr	88	115	1	0.03	17.75	ug/l	52.23	9.75	1	
Mo	95	115	1	0.05	21.89	ug/l	47.78	17.56	1	
Ag	107	115	1	0.02	13.60	ug/l	48.89	10.42	1	
Cd	111	115	1	0.02	116.54	ug/l	11.11	91.66	0.5	
Sn	118	115	1	0.08	6.62	ug/l	77.78	6.55	4	
Sb	121	115	1	0.07	25.31	ug/l	84.45	21.74	0.5	
Ba	137	159	1	0.00	-146.11	ug/l	7.78	24.71	1	
Tl	205	209	1	0.01	19.89	ug/l	103.34	17.07	0.2	
Pb	208	209	1	0.02	5.67	ug/l	378.91	3.56	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	46971	0.43	48998	95.9	60	120	
Sc	45	1	211802	0.21	223565	94.7	60	120	
Ge	74	1	23589	1.20	24592	95.9	60	120	
Kr	83	1	8	49.52	12	63.6	-1000	1000	
In	115	1	144827	0.78	150316	96.3	60	120	
Tb	159	1	498453	0.52	523937	95.1	60	120	
Bi	209	1	451007	0.84	475056	94.9	60	120	

TuneStep	TuneFile
1	helium.u

Sample Report

Sample Name	**460-59503-J-1-D@5**
Data File Name	**271SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:46:55-04:00**
Type	**Sample**
VialNumber	**3505**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Fail**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.46	2.32	ug/l	3600	
Tl	205	209	1	0.01	0.03	ug/l	720	
Ba	137	159	1	27.15	135.76	ug/l	3600	
Sb	121	115	1	0.10	0.52	ug/l	3600	
Sn	118	115	1	0.24	1.18	ug/l	3600	
Cd	111	115	1	0.01	0.04	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.42	2.10	ug/l	1800	
Sr	88	115	1	299.04	1495.20	ug/l	900	
Se	78	74	1	0.23	1.14	ug/l	3600	
As	75	74	1	3.59	17.97	ug/l	3600	
Zn	66	45	1	0.86	4.29	ug/l	900	
Cu	63	45	1	0.69	3.47	ug/l	900	
Ni	60	45	1	0.55	2.76	ug/l	900	
Co	59	45	1	0.67	3.37	ug/l	1800	
Fe	56	45	1	6776.30	33881.50	ug/l	360000	
Mn	55	45	1	406.56	2032.82	ug/l	18000	
Cr	52	45	1	0.79	3.93	ug/l	3600	
V	51	45	1	1.52	7.61	ug/l	3600	
Ti	47	45	1	4.84	24.19	ug/l	3600	
Ca	44	45	1	27486.32	137431.60	ug/l	360000	
K	39	45	1	11501.42	57507.12	ug/l	360000	
Al	27	45	1	169.52	847.61	ug/l	36000	
Mg	24	45	1	33198.30	165991.48	ug/l	90000	
Na	23	45	1	219972.22	1099861.11	ug/l	90000	fail
B	11	6	1	270.90	1354.50	ug/l	7200	
Be	9	6	1	0.01	0.03	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	367768	11.30	475056	77.4	60	120	
Tb	159	1	445734	11.29	523937	85.1	60	120	
In	115	1	124118	11.40	150316	82.6	60	120	
Kr	83	1	10	0.00	12	81.8	-1000	1000	
Ge	74	1	20528	11.98	24592	83.5	60	120	
Sc	45	1	191243	11.86	223565	85.5	60	120	
Li	6	1	41783	10.09	48998	85.3	60	120	

Sample Report

Sample Name	**460-59503-H-2-B@5**
Data File Name	**272SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:50:58-04:00**
Type	**Sample**
VialNumber	**3506**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.02	0.10	ug/l	3600	
Tl	205	209	1	0.00	0.01	ug/l	720	
Ba	137	159	1	0.01	0.03	ug/l	3600	
Sb	121	115	1	0.01	0.05	ug/l	3600	
Sn	118	115	1	0.09	0.43	ug/l	3600	
Cd	111	115	1	0.02	0.09	ug/l	3600	
Ag	107	115	1	0.00	-0.01	ug/l	180	
Mo	95	115	1	0.00	-0.01	ug/l	1800	
Sr	88	115	1	0.05	0.27	ug/l	900	
Se	78	74	1	-0.11	-0.53	ug/l	3600	
As	75	74	1	0.13	0.67	ug/l	3600	
Zn	66	45	1	-1.05	-5.25	ug/l	900	
Cu	63	45	1	0.06	0.32	ug/l	900	
Ni	60	45	1	-0.01	-0.03	ug/l	900	
Co	59	45	1	0.00	-0.01	ug/l	1800	
Fe	56	45	1	0.98	4.92	ug/l	360000	
Mn	55	45	1	0.35	1.76	ug/l	18000	
Cr	52	45	1	0.04	0.20	ug/l	3600	
V	51	45	1	0.26	1.28	ug/l	3600	
Ti	47	45	1	0.02	0.11	ug/l	3600	
Ca	44	45	1	0.72	3.61	ug/l	360000	
K	39	45	1	-0.93	-4.64	ug/l	360000	
Al	27	45	1	0.79	3.95	ug/l	36000	
Mg	24	45	1	2.54	12.72	ug/l	90000	
Na	23	45	1	33.67	168.37	ug/l	90000	
B	11	6	1	3.17	15.84	ug/l	7200	
Be	9	6	1	0.00	-0.02	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	454018	0.94	475056	95.6	60	120	
Tb	159	1	504734	0.98	523937	96.3	60	120	
In	115	1	144427	0.98	150316	96.1	60	120	
Kr	83	1	12	78.69	12	100.0	-1000	1000	
Ge	74	1	23444	0.85	24592	95.3	60	120	
Sc	45	1	209735	1.41	223565	93.8	60	120	
Li	6	1	49119	1.33	48998	100.2	60	120	

Sample Report

Sample Name	**460-59503-J-4-B@5**
Data File Name	**273SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:55:04-04:00**
Type	**Sample**
VialNumber	**3507**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.06	0.30	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	14.11	70.54	ug/l	3600	
Sb	121	115	1	0.07	0.36	ug/l	3600	
Sn	118	115	1	0.10	0.51	ug/l	3600	
Cd	111	115	1	0.00	-0.02	ug/l	3600	
Ag	107	115	1	0.00	-0.02	ug/l	180	
Mo	95	115	1	0.11	0.55	ug/l	1800	
Sr	88	115	1	107.27	536.37	ug/l	900	
Se	78	74	1	0.11	0.54	ug/l	3600	
As	75	74	1	15.20	75.99	ug/l	3600	
Zn	66	45	1	-0.37	-1.87	ug/l	900	
Cu	63	45	1	0.19	0.95	ug/l	900	
Ni	60	45	1	0.08	0.39	ug/l	900	
Co	59	45	1	0.17	0.84	ug/l	1800	
Fe	56	45	1	34472.18	172360.92	ug/l	360000	
Mn	55	45	1	879.06	4395.29	ug/l	18000	
Cr	52	45	1	0.45	2.24	ug/l	3600	
V	51	45	1	1.05	5.25	ug/l	3600	
Ti	47	45	1	0.65	3.26	ug/l	3600	
Ca	44	45	1	28667.73	143338.64	ug/l	360000	
K	39	45	1	4459.73	22298.67	ug/l	360000	
Al	27	45	1	12.90	64.48	ug/l	36000	
Mg	24	45	1	4969.28	24846.40	ug/l	90000	
Na	23	45	1	26972.73	134863.64	ug/l	90000	
B	11	6	1	74.01	370.07	ug/l	7200	
Be	9	6	1	0.02	0.11	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	438646	1.75	475056	92.3	60	120	
Tb	159	1	507031	1.68	523937	96.8	60	120	
In	115	1	142712	2.01	150316	94.9	60	120	
Kr	83	1	11	34.61	12	90.9	-1000	1000	
Ge	74	1	23715	2.47	24592	96.4	60	120	
Sc	45	1	212348	2.15	223565	95.0	60	120	
Li	6	1	49478	2.06	48998	101.0	60	120	

Sample Report

Sample Name	**460-59503-I-5-B@5**
Data File Name	**274SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T09:59:07-04:00**
Type	**Sample**
VialNumber	**3508**
Dilution	**5**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.21	1.04	ug/l	3600	
Tl	205	209	1	0.00	0.02	ug/l	720	
Ba	137	159	1	14.88	74.41	ug/l	3600	
Sb	121	115	1	0.22	1.11	ug/l	3600	
Sn	118	115	1	0.12	0.62	ug/l	3600	
Cd	111	115	1	0.02	0.08	ug/l	3600	
Ag	107	115	1	0.00	0.01	ug/l	180	
Mo	95	115	1	0.19	0.93	ug/l	1800	
Sr	88	115	1	107.79	538.94	ug/l	900	
Se	78	74	1	-0.07	-0.35	ug/l	3600	
As	75	74	1	16.76	83.81	ug/l	3600	
Zn	66	45	1	1.31	6.53	ug/l	900	
Cu	63	45	1	0.58	2.92	ug/l	900	
Ni	60	45	1	0.32	1.58	ug/l	900	
Co	59	45	1	0.23	1.14	ug/l	1800	
Fe	56	45	1	36651.20	183255.98	ug/l	360000	
Mn	55	45	1	869.46	4347.30	ug/l	18000	
Cr	52	45	1	0.59	2.97	ug/l	3600	
V	51	45	1	1.28	6.42	ug/l	3600	
Ti	47	45	1	1.55	7.76	ug/l	3600	
Ca	44	45	1	28586.49	142932.43	ug/l	360000	
K	39	45	1	4460.71	22303.54	ug/l	360000	
Al	27	45	1	61.47	307.34	ug/l	36000	
Mg	24	45	1	5006.36	25031.79	ug/l	90000	
Na	23	45	1	26654.83	133274.17	ug/l	90000	
B	11	6	1	76.30	381.51	ug/l	7200	
Be	9	6	1	0.03	0.13	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	431469	2.70	475056	90.8	60	120	
Tb	159	1	501847	3.49	523937	95.8	60	120	
In	115	1	140828	2.49	150316	93.7	60	120	
Kr	83	1	10	115.51	12	81.8	-1000	1000	
Ge	74	1	23595	1.86	24592	95.9	60	120	
Sc	45	1	209601	2.69	223565	93.8	60	120	
Li	6	1	49273	2.44	48998	100.6	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**275SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T10:03:10-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.05	0.05	ug/l	3600	
Tl	205	209	1	0.01	0.01	ug/l	720	
Ba	137	159	1	0.15	0.15	ug/l	3600	
Sb	121	115	1	0.03	0.03	ug/l	3600	
Sn	118	115	1	0.06	0.06	ug/l	3600	
Cd	111	115	1	0.04	0.04	ug/l	3600	
Ag	107	115	1	0.04	0.04	ug/l	180	
Mo	95	115	1	0.11	0.11	ug/l	1800	
Sr	88	115	1	0.40	0.40	ug/l	900	
Se	78	74	1	0.05	0.05	ug/l	3600	
As	75	74	1	0.06	0.06	ug/l	3600	
Zn	66	45	1	-1.26	-1.26	ug/l	900	
Cu	63	45	1	0.09	0.09	ug/l	900	
Ni	60	45	1	0.04	0.04	ug/l	900	
Co	59	45	1	0.08	0.08	ug/l	1800	
Fe	56	45	1	33.93	33.93	ug/l	360000	
Mn	55	45	1	2.93	2.93	ug/l	18000	
Cr	52	45	1	0.06	0.06	ug/l	3600	
V	51	45	1	0.03	0.03	ug/l	3600	
Ti	47	45	1	0.07	0.07	ug/l	3600	
Ca	44	45	1	77.19	77.19	ug/l	360000	
K	39	45	1	9.23	9.23	ug/l	360000	
Al	27	45	1	11.64	11.64	ug/l	36000	
Mg	24	45	1	31.54	31.54	ug/l	90000	
Na	23	45	1	115.07	115.07	ug/l	90000	
B	11	6	1	1.25	1.25	ug/l	7200	
Be	9	6	1	0.04	0.04	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	467971	1.18	475056	98.5	60	120	
Tb	159	1	523206	0.99	523937	99.9	60	120	
In	115	1	151273	0.87	150316	100.6	60	120	
Kr	83	1	17	39.99	12	136.4	-1000	1000	
Ge	74	1	24951	1.49	24592	101.5	60	120	
Sc	45	1	221909	1.44	223565	99.3	60	120	
Li	6	1	50004	0.61	48998	102.1	60	120	

Sample Report

Sample Name	**Rn chk**
Data File Name	**276SMPL.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T10:07:17-04:00**
Type	**Sample**
VialNumber	**1**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConcentration	Units	High Value	QC Flag
Pb	208	209	1	0.04	0.04	ug/l	3600	
Tl	205	209	1	0.01	0.01	ug/l	720	
Ba	137	159	1	0.15	0.15	ug/l	3600	
Sb	121	115	1	0.04	0.04	ug/l	3600	
Sn	118	115	1	0.05	0.05	ug/l	3600	
Cd	111	115	1	0.07	0.07	ug/l	3600	
Ag	107	115	1	0.04	0.04	ug/l	180	
Mo	95	115	1	0.12	0.12	ug/l	1800	
Sr	88	115	1	0.32	0.32	ug/l	900	
Se	78	74	1	-0.02	-0.02	ug/l	3600	
As	75	74	1	0.05	0.05	ug/l	3600	
Zn	66	45	1	-1.26	-1.26	ug/l	900	
Cu	63	45	1	0.05	0.05	ug/l	900	
Ni	60	45	1	0.03	0.03	ug/l	900	
Co	59	45	1	0.07	0.07	ug/l	1800	
Fe	56	45	1	33.83	33.83	ug/l	360000	
Mn	55	45	1	2.98	2.98	ug/l	18000	
Cr	52	45	1	0.04	0.04	ug/l	3600	
V	51	45	1	0.04	0.04	ug/l	3600	
Ti	47	45	1	0.20	0.20	ug/l	3600	
Ca	44	45	1	78.13	78.13	ug/l	360000	
K	39	45	1	9.77	9.77	ug/l	360000	
Al	27	45	1	11.28	11.28	ug/l	36000	
Mg	24	45	1	30.54	30.54	ug/l	90000	
Na	23	45	1	106.94	106.94	ug/l	90000	
B	11	6	1	0.94	0.94	ug/l	7200	
Be	9	6	1	0.06	0.06	ug/l	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Bi	209	1	469139	0.77	475056	98.8	60	120	
Tb	159	1	522299	0.94	523937	99.7	60	120	
In	115	1	151997	0.96	150316	101.1	60	120	
Kr	83	1	14	58.06	12	118.2	-1000	1000	
Ge	74	1	24929	1.18	24592	101.4	60	120	
Sc	45	1	221479	0.93	223565	99.1	60	120	
Li	6	1	49925	1.58	48998	101.9	60	120	

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	**CCV 2343227**
Data File Name	**2776CCV.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T10:11:23-04:00**
Type	**6-CCV**
VialNumber	**1301**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.65	0.73	ug/l	7250.03	1.86	50	95.3	90	110	
B	11	6	1	97.24	5.28	ug/l	4834.20	3.76	100	97.2	90	110	
Na	23	45	1	4917.11	0.89	ug/l	3637813.21	0.79	5000	98.3	90	110	
Mg	24	45	1	4930.43	0.59	ug/l	1871812.42	0.42	5000	98.6	90	110	
Al	27	45	1	487.28	0.73	ug/l	79958.47	0.53	500	97.5	90	110	
K	39	45	1	5020.62	0.94	ug/l	1264582.01	0.73	5000	100.4	90	110	
Ca	44	45	1	4971.76	0.84	ug/l	53427.76	0.82	5000	99.4	90	110	
Tl	47	45	1	47.58	1.76	ug/l	2985.93	1.77	50	95.2	90	110	
V	51	45	1	49.17	0.66	ug/l	83497.62	0.77	50	98.3	90	110	
Cr	52	45	1	48.45	0.06	ug/l	98909.61	0.25	50	96.9	90	110	
Mn	55	45	1	486.26	0.59	ug/l	588289.93	0.40	500	97.3	90	110	
Fe	56	45	1	4847.60	0.84	ug/l	7991528.77	0.72	5000	97.0	90	110	
Co	59	45	1	48.44	0.65	ug/l	139193.00	0.59	50	96.9	90	110	
Ni	60	45	1	48.34	0.99	ug/l	36433.86	0.80	50	96.7	90	110	
Cu	63	45	1	48.69	0.95	ug/l	95686.98	0.76	50	97.4	90	110	
Zn	66	45	1	50.21	1.71	ug/l	14251.32	1.63	50	100.4	90	110	
As	75	74	1	49.19	0.97	ug/l	8097.22	1.08	50	98.4	90	110	
Se	78	74	1	48.94	1.40	ug/l	707.66	0.51	50	97.9	90	110	
Sr	88	115	1	49.08	0.67	ug/l	54740.70	0.27	50	98.2	90	110	
Mo	95	115	1	48.02	1.39	ug/l	38818.44	0.93	50	96.0	90	110	
Ag	107	115	1	48.25	1.07	ug/l	124107.95	0.67	50	96.5	90	110	
Cd	111	115	1	47.83	2.05	ug/l	18256.95	2.47	50	95.7	90	110	
Sn	118	115	1	49.30	0.87	ug/l	40953.83	0.52	50	98.6	90	110	
Sb	121	115	1	48.33	0.62	ug/l	48244.33	0.14	50	96.7	90	110	
Ba	137	159	1	48.46	1.61	ug/l	18676.63	1.57	50	96.9	90	110	
Tl	205	209	1	9.78	1.02	ug/l	81270.71	1.00	10	97.8	90	110	
Pb	208	209	1	48.75	0.59	ug/l	541421.48	0.53	50	97.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49127	1.40	48998	100.3	60	120	
Sc	45	1	221089	0.19	223565	98.9	60	120	
Ge	74	1	24716	1.17	24592	100.5	60	120	
Kr	83	1	7	50.03	12	54.5	-1000	1000	
In	115	1	148453	0.50	150316	98.8	60	120	
Tb	159	1	515456	0.14	523937	98.4	60	120	
Bi	209	1	457693	0.07	475056	96.3	60	120	

TuneStep	TuneFile
1	helium.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	**CCB**
Data File Name	**2786CCB.D**
DataPath	**C:\ICPMH\1\DATA\13G31p01.B**
Acq Date Time	**2013-08-01T10:15:25-04:00**
Type	**6-CCB**
VialNumber	**1302**
Dilution	**1**
Comment	
Operator	**LBD**
ISTDRefDataFileName	**142CALB.D**
SamplePassFail	**Pass**
ISTD PassFail	**Pass**

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.03	3.62	ug/l	5.00	0.00	0.2	
B	11	6	1	0.99	19.51	ug/l	156.67	4.25	20	
Na	23	45	1	6.14	38.64	ug/l	41288.68	0.86	50	
Mg	24	45	1	2.31	1.52	ug/l	1193.42	4.87	50	
Al	27	45	1	-1.27	-8.00	ug/l	643.36	4.94	10	
K	39	45	1	-0.17	-3942.02	ug/l	35092.41	0.21	50	
Ca	44	45	1	-1.07	-68.27	ug/l	91.11	6.43	50	
Ti	47	45	1	0.02	153.15	ug/l	2.22	86.60	1	
V	51	45	1	-0.01	-89.72	ug/l	295.57	8.76	1	
Cr	52	45	1	0.01	95.97	ug/l	227.79	8.06	1	
Mn	55	45	1	0.37	9.83	ug/l	578.92	6.47	2	
Fe	56	45	1	2.58	8.37	ug/l	6100.16	4.07	30	
Co	59	45	1	0.03	40.96	ug/l	110.00	28.91	1	
Ni	60	45	1	-0.06	-47.36	ug/l	36.67	48.11	1	
Cu	63	45	1	0.00	472.31	ug/l	312.24	8.70	1	
Zn	66	45	1	-1.46	-1.57	ug/l	74.45	10.35	4	
As	75	74	1	0.03	21.13	ug/l	17.22	5.56	0.5	
Se	78	74	1	-0.10	-50.61	ug/l	6.53	7.34	0.5	
Sr	88	115	1	0.02	39.58	ug/l	52.23	16.06	1	
Mo	95	115	1	0.07	28.31	ug/l	68.89	19.56	1	
Ag	107	115	1	0.02	36.30	ug/l	55.56	30.20	1	
Cd	111	115	1	0.02	82.29	ug/l	8.89	57.30	0.5	
Sn	118	115	1	0.08	41.26	ug/l	77.78	32.16	4	
Sb	121	115	1	0.06	2.59	ug/l	78.89	6.45	0.5	
Ba	137	159	1	0.02	88.92	ug/l	16.67	39.99	1	
Tl	205	209	1	0.02	6.43	ug/l	142.23	8.87	0.2	
Pb	208	209	1	0.02	28.69	ug/l	392.24	15.30	0.3	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li	6	1	49503	3.20	48998	101.0	60	120	
Sc	45	1	216830	4.51	223565	97.0	60	120	
Ge	74	1	24555	3.14	24592	99.8	60	120	
Kr	83	1	17	20.01	12	136.4	-1000	1000	
In	115	1	149000	4.39	150316	99.1	60	120	
Tb	159	1	503458	4.17	523937	96.1	60	120	
Bi	209	1	455574	3.74	475056	95.9	60	120	

TuneStep	TuneFile
1	helium.u

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Batch Number: 173265 Batch Start Date: 07/29/13 17:00 Batch Analyst: Hu, Youhao

Batch Method: 1312 Batch End Date: 07/30/13 11:14

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	InitialRoomTemp	FinalRoomTemp	VesselNumber
LB 460-173265/1		1312, 3010A, 6020		100 g	2000 mL	4.21	22.5 Celsius	24.0 Celsius	ww2
200-17642-A-2	TS003 (072413)	1312, 3010A, 6020	E	100.21 g	2000 mL		22.5 Celsius	24.0 Celsius	aa7
200-17642-A-3	TS004 (072413)	1312, 3010A, 6020	E	100.17 g	2000 mL		22.5 Celsius	24.0 Celsius	b5

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment	
LB 460-173265/1		1312, 3010A, 6020		7/30/13	1200	4.18	SP1072913	SPLP Fluid #1 prep on 7/29/13; exp 1/29/14; pH measured on 7/30/13 @1230	
200-17642-A-2	TS003 (072413)	1312, 3010A, 6020	E	7/30/13	1210	8.72	SP1072913	SPLP Fluid #1 prep on 7/29/13; exp 1/29/14; pH measured on 7/30/13 @1232	
200-17642-A-3	TS004 (072413)	1312, 3010A, 6020	E	7/30/13	1215	8.66	SP1072913	SPLP Fluid #1 prep on 7/29/13; exp 1/29/14; pH measured on 7/30/13 @1233	

Batch Notes	
Balance ID	13
Batch Comment	min temp = 24.7 C; max temp: 25.1C
pH Meter ID	F
Room Temperature Thermometer ID	7958
SPLP Solution Lot #	SP1072913 prep: 07/29/13 exp. 01/29/14
Tumbler Rotations per Minute	29

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Batch Number: 173265 Batch Start Date: 07/29/13 17:00 Batch Analyst: Hu, Youhao

Batch Method: 1312 Batch End Date: 07/30/13 11:14

Basis	Basis Description
E	SPLP East

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-2

SDG No.: 200-17642-2

Batch Number: 173566 Batch Start Date: 07/31/13 08:31 Batch Analyst: Yang, Qin

Batch Method: 3010A Batch End Date: 07/31/13 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00012			
LCS 460-173566/2		3010A, 6020		50 mL	50 mL	0.25 mL			
200-17642-A-2-B	TS003 (072413)	3010A, 6020	E	50 mL	50 mL				
200-17642-A-3-B	TS004 (072413)	3010A, 6020	E	50 mL	50 mL				
LB 460-173265/1-A		3010A, 6020		50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 238
First End time	12:00
Lot # of Nitric Acid	L10022
Hot Block ID number	6
Oven, Bath or Block Temperature 1	96 uncorr, 95 corr Degrees C
Pipette ID	2
First Start time	8:30
ID number of the thermometer	ICP - 3 (CF -1)
Digestion Tube/Cup Lot #	1302285

Basis	Basis Description
E	SPLP East

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Cec. #1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Kaiti Lino	Samplers Name (Printed) Tom Quinn	Site/Project Identification ARC HRDD Sites
Company ARCADIS-US	P. O. # NJ 000514.0007	State (Location of site): NJ: ☐ NY: ☐ Other:
Address 105 Fieldcrest Ave	Analysis Turnaround Time: Standard ☑	Regulatory Program:
City Edison State NJ	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone 267 685 Fax 1822		Job No:

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	TCL VOCs	TCL SVOC	TCL Pesticides	TCL PCBs	TAL Metals	EPH	Hexavalent Chromium					Sample Numbers
TS002(072413)	7/24/13	1200	Soil	8	X	X	X	X	X	X	Hold					-1
TS003(072413)	7/24/13	1330	Soil	8	X	X	X	X	X	X	Hold					-2
TS004(072413)	7/24/13	1430	Soil	8	X	X	X	X	X	X	Hold					-3
TB(072413)	7/24/13	0700	Water	2	X											-4

200-17642 COC

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions TAL/TCL by ILM/SOM Methods

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
[signature]	ARCADIS	7/24/13 1555	1) [signature]	[signature]
2) [signature]	[signature]	7/24 1640	2) [signature]	TA
3) [signature]	Test America	7/24/13 1630	3) [signature] 7/24/13 0810	TABUR
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

TRAS, 4.2/4.4 NCS

COC #2

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Kaiti Lino	Samplers Name (Printed) Tom Quinn	Site/Project Identification ARC HRDD Sites
Company ARCADIS-US	P. O. # NJ 000514.0007	State (Location of site): NJ: ☐ NY: ☐ Other:
		Regulatory Program:
Address 105 Fieldcrest Ave	Analysis Turnaround Time: Standard ☑	
City Edison State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 267 685 Fax 1822		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No:

Sample Identification	Date	Time	Matrix	No. of. Cont.	SPLP Metals	SPLP VOCs	SPLP SVOC	SPLP Pesticides	SPLP PCBs							Sample Numbers
TS002 (072413)	7/24/13	1200	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TS003 (072413)	7/24/13	1330	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TS004 (072413)	7/24/13	1430	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TB (072413)	7/24/13	0700	Water	2	HOLD											

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
[signature]	ARCADIS	7/24/13 1355	1) [signature]	[signature]
2) [signature]	[signature]	7/24 1640	2) [signature]	TA
3) [signature]	Test Ag Zn	7/24/13 1630	3) [signature] 7/24/13	TABUR
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

IR#5, 4.2/4.4 res

43 LBS

1 OF 1

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

SHIP TO:
SAMPLE RECEIVING
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS EARLY A.M.

1+

TRACKING #: 1Z 083 95E 15 5949 0162

BILLING: F/C BILL RECEIVER

EAM
IN
SHIPS

42.0A 07/2013

1Z083956155949016 2

DWS ID Label

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-17642-2
SDG Number: 200-17642-2

Login Number: 17642
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-17642-2
SDG Number: 200-17642-2

Login Number: 17642
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison
List Creation: 07/26/13 04:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	4.4°C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-17642-3

SDG Number: 200-17642-1

Job Description: Atlantic Resources Corp

For:
ARCADIS U.S., Inc.
105 Fieldcrest Ave
Suite 203
Edison, NJ 08837

Attention: Mr. Jason Flagg

Approved for release.
Kathryn A Kelly
Project Manager I
7/31/2013 5:52 PM

Kathryn A Kelly, Project Manager I
30 Community Drive, South Burlington, VT, 05403
kathryn.kelly@testamericainc.com
07/31/2013

cc: Ms. Kaiti Liao

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Atlantic Resources Corp

Report Number: 200-17642-3

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 07/24/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 0.4º C.

EXTRACTABLE PETROLEUM HYDROCARBONS
Samples TS003 (072413) and TS004 (072413) were analyzed for Extractable petroleum hydrocarbons in accordance with NJ-OQA-EPH. The samples were prepared and analyzed on 07/30/2013.

C12-C16 Aliphatics failed the recovery criteria high for the MS of sample 460-60229-1 in batch 460-173419.

C10-C12 Aromatics failed the recovery criteria low for the MSD of sample 460-60229-1 in batch 460-173419. C12-C16 Aliphatics failed the recovery criteria high.

Refer to the QC report for details.

C10-C12 Aromatics failed the recovery criteria low for the MSD of sample 460-60229-1 in batch 460-173419. C12-C16 Aliphatics failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the EPH analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS
Samples TS003 (072413) and TS004 (072413) were analyzed for Extractable petroleum hydrocarbons in accordance with NJ-OQA-EPH. The samples were analyzed on 07/31/2013.

No difficulties were encountered during the EPH analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples TS003 (072413) and TS004 (072413) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 07/30/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

MOISTURE
Samples TS003 (072413) and TS004 (072413) were analyzed for Moisture in accordance with Moisture. The samples were analyzed on 07/29/2013.

No difficulties were encountered during the Moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Client Sample ID: TS003 (072413) — Lab Sample ID: 200-17642-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Aromatics	28		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	78		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	110		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
C12-C16 Aliphatics	19		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	5.6		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	5.4		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	48		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	4.0		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	3.8		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	20		2.4	2.4	mg/Kg	1	☼	NJDEP EPH	Total/NA

Client Sample ID: TS004 (072413) — Lab Sample ID: 200-17642-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Aromatics	33		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total Aliphatics	88		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
Total EPH	120		2.0	2.0	mg/Kg	1		NJ DEP EPH	Total/NA
C12-C16 Aliphatics	19		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C9-C12 Aliphatics	5.2		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aliphatics	8.1		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C40 Aliphatics	55		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C16-C21 Aromatics	5.5		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C10-C12 Aromatics	3.1		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA
C21-C36 Aromatic	24		2.3	2.3	mg/Kg	1	☼	NJDEP EPH	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TS003 (072413)

Lab Sample ID: 200-17642-2

Date Collected: 07/24/13 13:30

Matrix: Solid

Date Received: 07/24/13 16:40

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	28		2.0	2.0	mg/Kg			07/31/13 14:29	1
Total Aliphatics	78		2.0	2.0	mg/Kg			07/31/13 14:29	1
Total EPH	110		2.0	2.0	mg/Kg			07/31/13 14:29	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	19		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C9-C12 Aliphatics	5.6		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C16-C21 Aliphatics	5.4		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C21-C40 Aliphatics	48		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C16-C21 Aromatics	4.0		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C10-C12 Aromatics	3.8		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C12-C16 Aromatics	2.4	U	2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1
C21-C36 Aromatic	20		2.4	2.4	mg/Kg	☼	07/30/13 00:37	07/30/13 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:26*	*1*
2-Fluorobiphenyl	*80*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:26*	*1*
2-Bromonaphthalene	*44*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:26*	*1*
1-Chlorooctadecane	*91*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.3				%			07/29/13 16:51	1
Percent Moisture	18.2				%			07/30/13 16:00	1

Client Sample ID: TS004 (072413)

Lab Sample ID: 200-17642-3

Date Collected: 07/24/13 14:30

Matrix: Solid

Date Received: 07/24/13 16:40

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Aromatics	33		2.0	2.0	mg/Kg			07/31/13 14:29	1
Total Aliphatics	88		2.0	2.0	mg/Kg			07/31/13 14:29	1
Total EPH	120		2.0	2.0	mg/Kg			07/31/13 14:29	1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	19		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C9-C12 Aliphatics	5.2		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C16-C21 Aliphatics	8.1		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C21-C40 Aliphatics	55		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C16-C21 Aromatics	5.5		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C10-C12 Aromatics	3.1		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C12-C16 Aromatics	2.3	U	2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1
C21-C36 Aromatic	24		2.3	2.3	mg/Kg	☼	07/30/13 00:37	07/30/13 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:40*	*1*
2-Fluorobiphenyl	*81*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:40*	*1*
2-Bromonaphthalene	*44*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:40*	*1*

Client Sample ID: TS004 (072413)
Date Collected: 07/24/13 14:30
Date Received: 07/24/13 16:40

Lab Sample ID: 200-17642-3
Matrix: Solid
Percent Solids: 85.6

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*96*		*40 - 140*	*07/30/13 00:37*	*07/30/13 19:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.4**				%			07/29/13 16:51	1
Percent Moisture	**15.5**				%			07/30/13 16:00	1

Default Detection Limits

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Method: NJ DEP EPH - New Jersey - Extractable Petroleum Hydrocarbons

Analyte	RL	MDL	Units	Method
Total Aliphatics	2.0	2.0	mg/Kg	NJ DEP EPH
Total Aromatics	2.0	2.0	mg/Kg	NJ DEP EPH
Total EPH	2.0	2.0	mg/Kg	NJ DEP EPH

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Analyte	RL	MDL	Units	Method
C10-C12 Aromatics	1.0	1.0	mg/Kg	NJDEP EPH
C12-C16 Aliphatics	1.0	1.0	mg/Kg	NJDEP EPH
C12-C16 Aromatics	1.0	1.0	mg/Kg	NJDEP EPH
C16-C21 Aliphatics	1.0	1.0	mg/Kg	NJDEP EPH
C16-C21 Aromatics	1.0	1.0	mg/Kg	NJDEP EPH
C21-C36 Aromatic	1.0	1.0	mg/Kg	NJDEP EPH
C21-C40 Aliphatics	1.0	1.0	mg/Kg	NJDEP EPH
C9-C12 Aliphatics	1.0	1.0	mg/Kg	NJDEP EPH

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		OTPH1	FBP1	2BN1	1COD1
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(40-140)	(40-140)
200-17642-2	TS003 (072413)	88	80	44	91
200-17642-3	TS004 (072413)	89	81	44	96
LCS 460-173297/2-A	Lab Control Sample	88	86	48	
LCS 460-173297/2-A	Lab Control Sample				101
MB 460-173297/1-A	Method Blank	100	92	51	
MB 460-173297/1-A	Method Blank				91

Surrogate Legend

OTPH = o-Terphenyl
FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
1COD = 1-Chlorooctadecane

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons

Lab Sample ID: MB 460-173297/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 173419 — **Prep Batch: 173297**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C12-C16 Aliphatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:11	1
C9-C12 Aliphatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:11	1
C16-C21 Aliphatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:11	1
C21-C40 Aliphatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*91*		*40 - 140*	*07/30/13 00:37*	*07/30/13 13:11*	*1*

Lab Sample ID: MB 460-173297/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 173375 — **Prep Batch: 173297**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C16-C21 Aromatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:43	1
C10-C12 Aromatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:43	1
C12-C16 Aromatics	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:43	1
C21-C36 Aromatic	2.0	U	2.0	2.0	mg/Kg		07/30/13 00:37	07/30/13 13:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*40 - 140*	*07/30/13 00:37*	*07/30/13 13:43*	*1*
2-Fluorobiphenyl	*92*		*40 - 140*	*07/30/13 00:37*	*07/30/13 13:43*	*1*
2-Bromonaphthalene	*51*		*40 - 140*	*07/30/13 00:37*	*07/30/13 13:43*	*1*

Lab Sample ID: LCS 460-173297/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 173419 — **Prep Batch: 173297**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C12-C16 Aliphatics	13.4	14.0		mg/Kg		105	40 - 140
C9-C12 Aliphatics	20.0	21.4		mg/Kg		107	40 - 140
C16-C21 Aliphatics	26.7	29.2		mg/Kg		109	40 - 140
C21-C40 Aliphatics	66.8	64.1		mg/Kg		96	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctadecane	*101*		*40 - 140*

Lab Sample ID: LCS 460-173297/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 173375 — **Prep Batch: 173297**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C16-C21 Aromatics	40.1	32.3		mg/Kg		81	40 - 140
C10-C12 Aromatics	20.0	8.85		mg/Kg		44	40 - 140
C12-C16 Aromatics	26.7	13.9		mg/Kg		52	40 - 140
C21-C36 Aromatic	60.1	52.1		mg/Kg		87	40 - 140

Method: NJDEP EPH - New Jersey Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: LCS 460-173297/2-A
Matrix: Solid
Analysis Batch: 173375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173297

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	88		40 - 140
2-Fluorobiphenyl	86		40 - 140
2-Bromonaphthalene	48		40 - 140

GC Semi VOA

Prep Batch: 173297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	3546	
200-17642-3	TS004 (072413)	Total/NA	Solid	3546	
LCS 460-173297/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-173297/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 173375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	NJDEP EPH	173297
200-17642-3	TS004 (072413)	Total/NA	Solid	NJDEP EPH	173297
LCS 460-173297/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	173297
MB 460-173297/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	173297
PIBLK 460-173375/1	IBLK		Solid	NJDEP EPH	
PIBLK 460-173375/27	IBLK		Solid	NJDEP EPH	
PIBLK 460-173375/29	IBLK		Solid	NJDEP EPH	

Analysis Batch: 173419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	NJDEP EPH	173297
200-17642-3	TS004 (072413)	Total/NA	Solid	NJDEP EPH	173297
LCS 460-173297/2-A	Lab Control Sample	Total/NA	Solid	NJDEP EPH	173297
MB 460-173297/1-A	Method Blank	Total/NA	Solid	NJDEP EPH	173297
PIBLK 460-173419/1	IBLK		Solid	NJDEP EPH	
PIBLK 460-173419/27	IBLK		Solid	NJDEP EPH	
PIBLK 460-173419/29	IBLK		Solid	NJDEP EPH	

Analysis Batch: 173688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	NJ DEP EPH	
200-17642-3	TS004 (072413)	Total/NA	Solid	NJ DEP EPH	

General Chemistry

Analysis Batch: 59091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	Moisture	
200-17642-3	TS004 (072413)	Total/NA	Solid	Moisture	

Analysis Batch: 59148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-17642-2	TS003 (072413)	Total/NA	Solid	Moisture	
200-17642-3	TS004 (072413)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Client Sample ID: TS003 (072413)

Date Collected: 07/24/13 13:30
Date Received: 07/24/13 16:40

Lab Sample ID: 200-17642-2

Matrix: Solid
Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			173297	07/30/13 00:37	JMS	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	173375	07/30/13 19:26	HJK	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	173419	07/30/13 19:26	HJK	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	173688	07/31/13 14:29	HJK	TAL EDI
Total/NA	Analysis	Moisture		1	59091	07/29/13 16:51	VTP	TAL BUR
Total/NA	Analysis	Moisture		1	59148	07/30/13 16:00	VTP	TAL BUR

Client Sample ID: TS004 (072413)

Date Collected: 07/24/13 14:30
Date Received: 07/24/13 16:40

Lab Sample ID: 200-17642-3

Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			173297	07/30/13 00:37	JMS	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	173375	07/30/13 19:40	HJK	TAL EDI
Total/NA	Analysis	NJDEP EPH		1	173419	07/30/13 19:40	HJK	TAL EDI
Total/NA	Analysis	NJ DEP EPH		1	173688	07/31/13 14:29	HJK	TAL EDI
Total/NA	Analysis	Moisture		1	59091	07/29/13 16:51	VTP	TAL BUR
Total/NA	Analysis	Moisture		1	59148	07/30/13 16:00	VTP	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Laboratory: TestAmerica Burlington

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-13
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-14
L-A-B	DoD ELAP		L2336	10-26-13
Louisiana	NELAP	6	176292	06-30-14
Maine	State Program	1	VT00008	04-17-15
Minnesota	NELAP	5	050-999-436	12-31-13
New Hampshire	NELAP	1	2006	12-18-13
New Jersey	NELAP	2	VT972	06-30-14
New York	NELAP	2	10391	04-01-14
Pennsylvania	NELAP	3	68-00489	04-30-14
Rhode Island	State Program	1	LAO00298	12-30-13
US Fish & Wildlife	Federal		LE-058448-0	02-28-14
USDA	Federal		P330-11-00093	02-17-14
Vermont	State Program	1	VT-4000	12-31-13
Virginia	NELAP	3	460209	12-14-13

Laboratory: TestAmerica Edison

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-13
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	04-30-14
New Jersey	NELAP	2	12028	06-30-14
New York	NELAP	2	11452	04-01-14
Pennsylvania	NELAP	3	68-00522	02-28-14
Rhode Island	State Program	1	LAO00132	12-30-13
USDA	Federal		NJCA-003-08	03-11-14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Method	Method Description	Protocol	Laboratory
NJ DEP EPH	New Jersey - Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
NJDEP EPH	New Jersey Extractable Petroleum Hydrocarbons	NJDEP	TAL EDI
Moisture	SOM VOA Percent Moisture Determination	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Atlantic Resources Corp

TestAmerica Job ID: 200-17642-3
SDG: 200-17642-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-17642-2	TS003 (072413)	Solid	07/24/13 13:30	07/24/13 16:40
200-17642-3	TS004 (072413)	Solid	07/24/13 14:30	07/24/13 16:40

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Analysis Batch Number: 165013

Lab Sample ID: STD1 460-165013/2 IC Client Sample ID:

Date Analyzed: 06/10/13 17:08 Lab File ID: GCF77777.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C9-C12 Aliphatics	1.59	Incomplete Integration	nimerd	06/11/13 07:52
Total EPH (C9-C40)	4.83	Incomplete Integration	nimerd	06/11/13 07:52

Lab Sample ID: STD3 460-165013/4 IC Client Sample ID:

Date Analyzed: 06/10/13 17:37 Lab File ID: GCF77779.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C16-C21 Aliphatics	4.61	Incomplete Integration	nimerd	06/11/13 07:42
Total EPH (C9-C40)	4.83	Incomplete Integration	nimerd	06/11/13 07:42
1-Chlorooctadecane	5.17	Incomplete Integration	nimerd	06/11/13 07:42

Lab Sample ID: STD4 460-165013/5 IC Client Sample ID:

Date Analyzed: 06/10/13 17:52 Lab File ID: GCF77780.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C16-C21 Aliphatics	4.61	Incomplete Integration	nimerd	06/11/13 07:55
Total EPH (C9-C40)	4.83	Incomplete Integration	nimerd	06/11/13 07:55
1-Chlorooctadecane	5.17	Incomplete Integration	nimerd	06/11/13 07:55

Lab Sample ID: STD5 460-165013/6 IC Client Sample ID:

Date Analyzed: 06/10/13 18:06 Lab File ID: GCF77781.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C16-C21 Aliphatics	4.61	Incomplete Integration	nimerd	06/11/13 08:06
Total EPH (C9-C40)	4.83	Incomplete Integration	nimerd	06/11/13 08:06
1-Chlorooctadecane	5.17	Incomplete Integration	nimerd	06/11/13 08:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Analysis Batch Number: 173375

Lab Sample ID: MB 460-173297/1-A Client Sample ID:

Date Analyzed: 07/30/13 13:43 Lab File ID: GCR78333.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	2.79	Incomplete Integration	kimh	07/30/13 14:26

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 07/30/13 19:26 Lab File ID: GCR78356.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C12 Aromatics	1.74	Incomplete Integration	kimh	07/31/13 08:02
C12-C16 Aromatics	2.83	Incomplete Integration	kimh	07/31/13 08:02
C16-C21 Aromatics	4.39	Incomplete Integration	kimh	07/31/13 08:02
C21-C36 Aromatic	6.48	Incomplete Integration	kimh	07/31/13 08:02

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 07/30/13 19:40 Lab File ID: GCR78357.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C10-C12 Aromatics	1.74	Incomplete Integration	kimh	07/31/13 08:02
C12-C16 Aromatics	2.83	Incomplete Integration	kimh	07/31/13 08:02
C16-C21 Aromatics	4.39	Incomplete Integration	kimh	07/31/13 08:02
C21-C36 Aromatic	6.48	Incomplete Integration	kimh	07/31/13 08:02

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Analysis Batch Number: 173419

Lab Sample ID: CCV 460-173419/2 Client Sample ID:

Date Analyzed: 07/30/13 12:16 Lab File ID: GCF79172.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
o-Terphenyl	4.70	Incomplete Integration	kimh	07/30/13 12:44

Lab Sample ID: CCV 460-173419/28 Client Sample ID:

Date Analyzed: 07/30/13 16:17 Lab File ID: GCF79184.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C16-C21 Aliphatics	4.61	Unspecified		
o-Terphenyl	4.70	Incomplete Integration	kimh	07/30/13 16:30
Total EPH (C9-C40)	4.83	Unspecified		
1-Chlorooctadecane	5.15	Incomplete Integration	kimh	07/30/13 16:30
C21-C40 Aliphatics	7.05	Incomplete Integration	kimh	07/30/13 16:30

Lab Sample ID: 200-17642-2 Client Sample ID: TS003 (072413)

Date Analyzed: 07/30/13 19:26 Lab File ID: GCF79197.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C9-C12 Aliphatics	1.58	Incomplete Integration	kimh	07/31/13 08:05
C12-C16 Aliphatics	3.09	Incomplete Integration	kimh	07/31/13 08:05
C16-C21 Aliphatics	4.61	Incomplete Integration	kimh	07/31/13 08:05
1-Chlorooctadecane	5.15	Incomplete Integration	kimh	07/31/13 08:05
C21-C40 Aliphatics	7.05	Incomplete Integration	kimh	07/31/13 08:05

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Analysis Batch Number: 173419

Lab Sample ID: 200-17642-3 Client Sample ID: TS004 (072413)

Date Analyzed: 07/30/13 19:40 Lab File ID: GCF79198.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C9-C12 Aliphatics	1.58	Incomplete Integration	kimh	07/31/13 08:05
C12-C16 Aliphatics	3.09	Incomplete Integration	kimh	07/31/13 08:05
C16-C21 Aliphatics	4.61	Incomplete Integration	kimh	07/31/13 08:05
1-Chlorooctadecane	5.15	Incomplete Integration	kimh	07/31/13 08:05
C21-C40 Aliphatics	7.05	Incomplete Integration	kimh	07/31/13 08:05

Lab Sample ID: CCV 460-173419/30 Client Sample ID:

Date Analyzed: 07/30/13 20:23 Lab File ID: GCF79201.D GC Column: Rtx-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chlorooctadecane	5.15	Incomplete Integration	kimh	07/31/13 08:13

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
OP NJEPH surr_00001	01/02/14	07/02/13	Hexane, Lot 30138	1000 mL	OPEPH surro_00001	25 mL	1-Chlorooctadecane	100 ug/mL
							o-Terphenyl	100 ug/mL
.OPEPH surro_00001	08/31/20		Supelco, Lot A095419		(Purchased Reagent)		1-Chlorooctadecane	4000 ug/mL
							o-Terphenyl	4000 ug/mL
OPEPH2BROMO_00011	11/09/13	06/04/13	Hexane, Lot 14760	100 mL	SG2BROMSRi_00011	5 mL	2-Bromonaphthalene	100 ug/mL
.SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
..SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
OPEPH2FLUORO_00016	11/05/13	06/04/13	Hexane, Lot 6383	100 mL	SG2FluoSRi_00009	5 mL	2-Fluorobiphenyl	100 ug/mL
.SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
..SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
OPEPHAro_SPK_00014	12/27/13	06/27/13	Hexane, Lot 30138	100 mL	OPMAEPHAroStd_00009	5 mL	C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL
					OPWAEPHAroStd_00005	10 mL	C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL
.OPMAEPHAroStd_00009	11/15/17		Absolute, Lot 111512		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	6000 ug/mL
							C16-C21 Aromatics	10000 ug/mL
							C21-C36 Aromatic	16000 ug/mL
.OPWAEPHAroStd_00005	12/31/17		Restek, Lot A077832		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
OPEPHFlordaSP_00011	01/15/14	07/15/13	Hexane, Lot 30138	100 mL	OPFloridaTRPH_00010	20 mL	C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	200 ug/mL
							C21-C40 Aliphatics	1000 ug/mL
							C9-C12 Aliphatics	200 ug/mL
							C9-C28	1000 ug/mL
							C9-C40	1600 ug/mL
.OPFloridaTRPH_00010	06/30/19		RESTEK, Lot A088378		(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C28	5000 ug/mL
							C9-C40	8000 ug/mL
OPEPHmixALISP_00012	09/14/13	04/24/13	Hexane, Lot 30138	100 mL	SGEPH mix_00010	2 mL	C9-C12 Aliphatics	100 ug/mL
							C9-C28	300 ug/mL
							C9-C40	300 ug/mL
							n-Nonane	100 ug/mL
							C16-C21 Aliphatics	200 ug/mL
							C19	100 ug/mL
							C21	100 ug/mL
.SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C9-C28	15000 ug/mL
							C9-C40	15000 ug/mL
							n-Nonane	5000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C19	5000 ug/mL
							C9-C28	15000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C21	5000 ug/mL
							C9-C28	15000 ug/mL
							C9-C40	15000 ug/mL
..SGEPH AL st1_00004	09/19/15	Sigma Akdrich, Lot 59696dk			(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C28	1 g/g
							C9-C40	1 g/g
							n-Nonane	1 g/g
..SGEPH AL st2_00007	04/01/15	Supelco, Lot LB84496V			(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C19	1 g/g
							C9-C28	1 g/g
							C9-C40	1 g/g
..SGEPH AL st3_00004	10/31/15	Sigma Aldrich, Lot 286052			(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C21	1 g/g
							C9-C28	1 g/g
							C9-C40	1 g/g
SGEPHALL1_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL3_00014	100 uL	1-Chlorooctadecane	5 ug/mL
							C12-C16 Aliphatics	10 ug/mL
							C16-C21 Aliphatics	20 ug/mL
							C21-C40 Aliphatics	50 ug/mL
							C9-C12 Aliphatics	15 ug/mL
							C9-C40	95 ug/mL
							o-Terphenyl	5 ug/mL
.SGEPHALL3_00014	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL4_00010	500 uL	1-Chlorooctadecane	50 ug/mL
							C12-C16 Aliphatics	100 ug/mL
							C16-C21 Aliphatics	200 ug/mL
							C21-C40 Aliphatics	500 ug/mL
							C9-C12 Aliphatics	150 ug/mL
							C9-C40	950 ug/mL
							o-Terphenyl	50 ug/mL
..SGEPHALL4_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL5_00013	500 uL	1-Chlorooctadecane	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	400 ug/mL
							C21-C40 Aliphatics	1000 ug/mL
							C9-C12 Aliphatics	300 ug/mL
							C9-C40	1900 ug/mL
							o-Terphenyl	100 ug/mL
...SGEPHALL5_00013	09/14/13	03/15/13	MeCl2, Lot 32670	25 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	200 ug/mL
					SGEPH AL st_00004	10 mL	C12-C16 Aliphatics	400 ug/mL
							C16-C21 Aliphatics	800 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C21-C40 Aliphatics	2000 ug/mL
							C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
					SGEPH mix_00010	1000 uL	C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
							C16-C21 Aliphatics	800 ug/mL
					SGOTPSR_00023	500 uL	o-Terphenyl	200 ug/mL
....SGEPH 1-CODst_00004	05/31/15	Suppelco, Lot LB92985			(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL
....SGEPH AL st_00004	08/30/18	Restek, Lot A082876			(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C40	8000 ug/mL
....SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
.....SGEPH AL st1_00004	09/19/15	Sigma Akdrich, Lot 59696dk			(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C40	1 g/g
.....SGEPH AL st2_00007	04/01/15	Supelco, Lot LB84496V			(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
.....SGEPH AL st3_00004	10/31/15	Sigma Aldrich, Lot 286052			(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
....SGOTPSR_00023	10/30/15	SUPELCO, Lot LB95865			(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHALL2_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL4_00010	100 uL	1-Chlorooctadecane	10 ug/mL
							C12-C16 Aliphatics	20 ug/mL
							C16-C21 Aliphatics	40 ug/mL
							C21-C40 Aliphatics	100 ug/mL
							C9-C12 Aliphatics	30 ug/mL
							C9-C40	190 ug/mL
							o-Terphenyl	10 ug/mL
.SGEPHALL4_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL5_00013	500 uL	1-Chlorooctadecane	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	400 ug/mL
							C21-C40 Aliphatics	1000 ug/mL
							C9-C12 Aliphatics	300 ug/mL
							C9-C40	1900 ug/mL
							o-Terphenyl	100 ug/mL
..SGEPHALL5_00013	09/14/13	03/15/13	MeCl2, Lot 32670	25 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	200 ug/mL
					SGEPH AL st_00004	10 mL	C12-C16 Aliphatics	400 ug/mL
							C16-C21 Aliphatics	800 ug/mL
							C21-C40 Aliphatics	2000 ug/mL
							C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
					SGEPH mix_00010	1000 uL	C9-C12 Aliphatics	600 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C9-C40	3800 ug/mL
							C16-C21 Aliphatics	800 ug/mL
					SGOTPSR_00023	500 uL	o-Terphenyl	200 ug/mL
...SGEPH 1-CODst_00004	05/31/15		Suppelco, Lot LB92985		(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL
...SGEPH AL st_00004	08/30/18		Restek, Lot A082876		(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C40	8000 ug/mL
...SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
....SGEPH AL st1_00004	09/19/15		Sigma Akdrich, Lot 59696dk		(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C40	1 g/g
....SGEPH AL st2_00007	04/01/15		Supelco, Lot LB84496V		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
....SGEPH AL st3_00004	10/31/15		Sigma Aldrich, Lot 286052		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
...SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHALL3_00014	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL4_00010	500 uL	1-Chlorooctadecane	50 ug/mL
							C12-C16 Aliphatics	100 ug/mL
							C16-C21 Aliphatics	200 ug/mL
							C21-C40 Aliphatics	500 ug/mL
							C9-C12 Aliphatics	150 ug/mL
							C9-C40	950 ug/mL
							o-Terphenyl	50 ug/mL
.SGEPHALL4_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL5_00013	500 uL	1-Chlorooctadecane	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	400 ug/mL
							C21-C40 Aliphatics	1000 ug/mL
							C9-C12 Aliphatics	300 ug/mL
							C9-C40	1900 ug/mL
							o-Terphenyl	100 ug/mL
..SGEPHALL5_00013	09/14/13	03/15/13	MeCl2, Lot 32670	25 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	200 ug/mL
					SGEPH AL st_00004	10 mL	C12-C16 Aliphatics	400 ug/mL
							C16-C21 Aliphatics	800 ug/mL
							C21-C40 Aliphatics	2000 ug/mL
							C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
					SGEPH mix_00010	1000 uL	C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
							C16-C21 Aliphatics	800 ug/mL
					SGOTPSR_00023	500 uL	o-Terphenyl	200 ug/mL
...SGEPH 1-CODst_00004	05/31/15		Suppelco, Lot LB92985		(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...SGEPH AL st_00004	08/30/18		Restek, Lot A082876		(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C40	8000 ug/mL
...SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
....SGEPH AL st1_00004	09/19/15		Sigma Akdrich, Lot 59696dk		(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C40	1 g/g
....SGEPH AL st2_00007	04/01/15		Supelco, Lot LB84496V		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
....SGEPH AL st3_00004	10/31/15		Sigma Aldrich, Lot 286052		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
...SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHALL4_00010	09/14/13	03/15/13	MeCl2, Lot 32670	1 mL	SGEPHALL5_00013	500 uL	1-Chlorooctadecane	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	400 ug/mL
							C21-C40 Aliphatics	1000 ug/mL
							C9-C12 Aliphatics	300 ug/mL
							C9-C40	1900 ug/mL
							o-Terphenyl	100 ug/mL
.SGEPHALL5_00013	09/14/13	03/15/13	MeCl2, Lot 32670	25 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	200 ug/mL
					SGEPH AL st_00004	10 mL	C12-C16 Aliphatics	400 ug/mL
							C16-C21 Aliphatics	800 ug/mL
							C21-C40 Aliphatics	2000 ug/mL
							C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
					SGEPH mix_00010	1000 uL	C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
							C16-C21 Aliphatics	800 ug/mL
					SGOTPSR_00023	500 uL	o-Terphenyl	200 ug/mL
..SGEPH 1-CODst_00004	05/31/15		Suppelco, Lot LB92985		(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL
..SGEPH AL st_00004	08/30/18		Restek, Lot A082876		(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C40	8000 ug/mL
..SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...SGEPH AL st1_00004	09/19/15		Sigma Akdrich, Lot 59696dk		(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C40	1 g/g
...SGEPH AL st2_00007	04/01/15		Supelco, Lot LB84496V		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
...SGEPH AL st3_00004	10/31/15		Sigma Aldrich, Lot 286052		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
..SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHALL5_00013	09/14/13	03/15/13	MeCl2, Lot 32670	25 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	200 ug/mL
					SGEPH AL st_00004	10 mL	C12-C16 Aliphatics	400 ug/mL
							C16-C21 Aliphatics	800 ug/mL
							C21-C40 Aliphatics	2000 ug/mL
							C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
					SGEPH mix_00010	1000 uL	C9-C12 Aliphatics	600 ug/mL
							C9-C40	3800 ug/mL
							C16-C21 Aliphatics	800 ug/mL
					SGOTPSR_00023	500 uL	o-Terphenyl	200 ug/mL
.SGEPH 1-CODst_00004	05/31/15		Suppelco, Lot LB92985		(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL
.SGEPH AL st_00004	08/30/18		Restek, Lot A082876		(Purchased Reagent)		C12-C16 Aliphatics	1000 ug/mL
							C16-C21 Aliphatics	1000 ug/mL
							C21-C40 Aliphatics	5000 ug/mL
							C9-C12 Aliphatics	1000 ug/mL
							C9-C40	8000 ug/mL
.SGEPH mix_00010	09/14/13	03/15/13	MeCl2, Lot 32670	50 mL	SGEPH AL st1_00004	0.25 g	C9-C12 Aliphatics	5000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st2_00007	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
					SGEPH AL st3_00004	0.25 g	C16-C21 Aliphatics	10000 ug/mL
							C9-C40	15000 ug/mL
..SGEPH AL st1_00004	09/19/15		Sigma Akdrich, Lot 59696dk		(Purchased Reagent)		C9-C12 Aliphatics	1 g/g
							C9-C40	1 g/g
..SGEPH AL st2_00007	04/01/15		Supelco, Lot LB84496V		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
..SGEPH AL st3_00004	10/31/15		Sigma Aldrich, Lot 286052		(Purchased Reagent)		C16-C21 Aliphatics	1 g/g
							C9-C40	1 g/g
.SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHARL1_00010	11/09/13	05/10/13	MeCl2, Lot 32967	500 uL	SGEPHARL3_00011	0.05 mL	2-Bromonaphthalene	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							C10-C12 Aromatics	15 ug/mL
							C12-C16 Aromatics	20 ug/mL
							C16-C21 Aromatics	30 ug/mL
							C21-C36 Aromatic	45 ug/mL
							o-Terphenyl	5 ug/mL
.SGEPHARL3_00011	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL4_00010	0.5 mL	2-Bromonaphthalene	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							C10-C12 Aromatics	150 ug/mL
							C12-C16 Aromatics	200 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C16-C21 Aromatics	300 ug/mL
							C21-C36 Aromatic	450 ug/mL
							o-Terphenyl	50 ug/mL
..SGEPHARL4_00010	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL5_00010	0.5 mL	2-Bromonaphthalene	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL
							o-Terphenyl	100 ug/mL
...SGEPHARL5_00010	11/09/13	05/10/13	MeCl2, Lot 32967	10 mL	SG2BROMSRi_00011	1 mL	2-Bromonaphthalene	200 ug/mL
					SG2FluoSRi_00009	1 mL	2-Fluorobiphenyl	200 ug/mL
					SGEPH AR st_00005	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGEPH AR st1_00002	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGOTPSR_00023	0.2 mL	o-Terphenyl	200 ug/mL
....SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
.....SG2BROMOSR_00001	01/18/15	Aldrich, Lot 10529LC			(Purchased Reagent)		2-Bromonaphthalene	1 g/g
....SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
.....SG2FLOROSR_00001	01/18/15	Aldrich, Lot 09506PH			(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
....SGEPH AR st_00005	05/13/21	AccuStandard, Lot 211051140			(Purchased Reagent)		C10-C12 Aromatics	1000 ug/mL
							C12-C16 Aromatics	3000 ug/mL
							C16-C21 Aromatics	5000 ug/mL
							C21-C36 Aromatic	8000 ug/mL
....SGEPH AR st1_00002	12/30/17	Restek, Lot A077832			(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
....SGOTPSR_00023	10/30/15	SUPELCO, Lot LB95865			(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHARL2_00010	11/09/13	05/10/13	MeCl2, Lot 32967	500 uL	SGEPHARL4_00010	0.05 mL	2-Bromonaphthalene	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							C10-C12 Aromatics	30 ug/mL
							C12-C16 Aromatics	40 ug/mL
							C16-C21 Aromatics	60 ug/mL
							C21-C36 Aromatic	90 ug/mL
							o-Terphenyl	10 ug/mL
.SGEPHARL4_00010	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL5_00010	0.5 mL	2-Bromonaphthalene	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Terphenyl	100 ug/mL
..SGEPHARL5_00010	11/09/13	05/10/13	MeCl2, Lot 32967	10 mL	SG2BROMSRi_00011	1 mL	2-Bromonaphthalene	200 ug/mL
					SG2FluoSRi_00009	1 mL	2-Fluorobiphenyl	200 ug/mL
					SGEPH AR st_00005	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGEPH AR st1_00002	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGOTPSR_00023	0.2 mL	o-Terphenyl	200 ug/mL
...SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
....SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
...SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
....SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
...SGEPH AR st_00005	05/13/21		AccuStandard, Lot 211051140		(Purchased Reagent)		C10-C12 Aromatics	1000 ug/mL
							C12-C16 Aromatics	3000 ug/mL
							C16-C21 Aromatics	5000 ug/mL
							C21-C36 Aromatic	8000 ug/mL
...SGEPH AR st1_00002	12/30/17		Restek, Lot A077832		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
...SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHARL3_00011	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL4_00010	0.5 mL	2-Bromonaphthalene	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							C10-C12 Aromatics	150 ug/mL
							C12-C16 Aromatics	200 ug/mL
							C16-C21 Aromatics	300 ug/mL
							C21-C36 Aromatic	450 ug/mL
							o-Terphenyl	50 ug/mL
.SGEPHARL4_00010	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL5_00010	0.5 mL	2-Bromonaphthalene	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL
							o-Terphenyl	100 ug/mL
..SGEPHARL5_00010	11/09/13	05/10/13	MeCl2, Lot 32967	10 mL	SG2BROMSRi_00011	1 mL	2-Bromonaphthalene	200 ug/mL
					SG2FluoSRi_00009	1 mL	2-Fluorobiphenyl	200 ug/mL
					SGEPH AR st_00005	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGEPH AR st1_00002	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGOTPSR_00023	0.2 mL	o-Terphenyl	200 ug/mL
...SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
....SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
...SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
....SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
...SGEPH AR st_00005	05/13/21		AccuStandard, Lot 211051140		(Purchased Reagent)		C10-C12 Aromatics	1000 ug/mL
							C12-C16 Aromatics	3000 ug/mL
							C16-C21 Aromatics	5000 ug/mL
							C21-C36 Aromatic	8000 ug/mL
...SGEPH AR st1_00002	12/30/17		Restek, Lot A077832		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
...SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGEPHARL4_00010	11/09/13	05/10/13	MeCl2, Lot 32967	1 mL	SGEPHARL5_00010	0.5 mL	2-Bromonaphthalene	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							C10-C12 Aromatics	300 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	600 ug/mL
							C21-C36 Aromatic	900 ug/mL
							o-Terphenyl	100 ug/mL
.SGEPHARL5_00010	11/09/13	05/10/13	MeCl2, Lot 32967	10 mL	SG2BROMSRi_00011	1 mL	2-Bromonaphthalene	200 ug/mL
					SG2FluoSRi_00009	1 mL	2-Fluorobiphenyl	200 ug/mL
					SGEPH AR st_00005	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGEPH AR st1_00002	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGOTPSR_00023	0.2 mL	o-Terphenyl	200 ug/mL
..SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
...SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
..SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
...SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
..SGEPH AR st_00005	05/13/21		AccuStandard, Lot 211051140		(Purchased Reagent)		C10-C12 Aromatics	1000 ug/mL
							C12-C16 Aromatics	3000 ug/mL
							C16-C21 Aromatics	5000 ug/mL
							C21-C36 Aromatic	8000 ug/mL
..SGEPH AR st1_00002	12/30/17		Restek, Lot A077832		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
..SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGEPHARL5_00010	11/09/13	05/10/13	MeCl2, Lot 32967	10 mL	SG2BROMSRi_00011	1 mL	2-Bromonaphthalene	200 ug/mL
					SG2FluoSRi_00009	1 mL	2-Fluorobiphenyl	200 ug/mL
					SGEPH AR st_00005	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGEPH AR st1_00002	2 mL	C10-C12 Aromatics	600 ug/mL
							C12-C16 Aromatics	800 ug/mL
							C16-C21 Aromatics	1200 ug/mL
							C21-C36 Aromatic	1800 ug/mL
					SGOTPSR_00023	0.2 mL	o-Terphenyl	200 ug/mL
.SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
..SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
.SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
..SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
.SGEPH AR st_00005	05/13/21		AccuStandard, Lot 211051140		(Purchased Reagent)		C10-C12 Aromatics	1000 ug/mL
							C12-C16 Aromatics	3000 ug/mL
							C16-C21 Aromatics	5000 ug/mL
							C21-C36 Aromatic	8000 ug/mL
.SGEPH AR st1_00002	12/30/17		Restek, Lot A077832		(Purchased Reagent)		C10-C12 Aromatics	2000 ug/mL
							C12-C16 Aromatics	1000 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C36 Aromatic	1000 ug/mL
.SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGPIBLKAL_00008	10/16/13	04/17/13	MeCl2, Lot L14S06	100 mL	SGEPH 1-CODst_00004	500 uL	1-Chlorooctadecane	50 ug/mL
					SGOTPSR_00019	500 uL	o-Terphenyl	50 ug/mL
.SGEPH 1-CODst_00004	05/31/15		Suppelco, Lot LB92985		(Purchased Reagent)		1-Chlorooctadecane	10000 ug/mL
.SGOTPSR_00019	06/30/14		SUPELCO, Lot LB85747		(Purchased Reagent)		o-Terphenyl	10000 ug/mL
SGPIBLKAR_00007	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMSRi_00011	2.5 mL	2-Bromonaphthalene	50 ug/mL
					SG2FluoSRi_00009	2.5 mL	2-Fluorobiphenyl	50 ug/mL
					SGOTPSR_00023	0.5 mL	o-Terphenyl	50 ug/mL
.SG2BROMSRi_00011	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2BROMOSR_00001	0.2 g	2-Bromonaphthalene	2000 mg/L
..SG2BROMOSR_00001	01/18/15		Aldrich, Lot 10529LC		(Purchased Reagent)		2-Bromonaphthalene	1 g/g
.SG2FluoSRi_00009	11/09/13	05/10/13	MeCl2, Lot 32967	100 mL	SG2FLOROSR_00001	0.2 g	2-Fluorobiphenyl	2000 mg/L
..SG2FLOROSR_00001	01/18/15		Aldrich, Lot 09506PH		(Purchased Reagent)		2-Fluorobiphenyl	1 g/g
.SGOTPSR_00023	10/30/15		SUPELCO, Lot LB95865		(Purchased Reagent)		o-Terphenyl	10000 ug/mL

NJEPH

New Jersey Extractable Petroleum Hydrocarbons

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Matrix: Solid Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	1COD1 #
TS003 (072413)	200-17642-2	91
TS004 (072413)	200-17642-3	96
	MB 460-173297/1-A	91
	LCS 460-173297/2-A	101

	QC LIMITS
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II NJDEP EPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Matrix: Solid Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #
TS003 (072413)	200-17642-2	80	44	88
TS004 (072413)	200-17642-3	81	44	89
	MB 460-173297/1-A	92	51	100
	LCS 460-173297/2-A	86	48	88

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140

Column to be used to flag recovery values

FORM II NJDEP EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Matrix: Solid Level: Low Lab File ID: GCF79174.D

Lab ID: LCS 460-173297/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C12-C16 Aliphatics	13.4	14.0	105	40-140	
C9-C12 Aliphatics	20.0	21.4	107	40-140	
C16-C21 Aliphatics	26.7	29.2	109	40-140	
C21-C40 Aliphatics	66.8	64.1	96	40-140	

Column to be used to flag recovery and RPD values

FORM III NJDEP EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Matrix: Solid Level: Low Lab File ID: GCR78334.D

Lab ID: LCS 460-173297/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C16-C21 Aromatics	40.1	32.3	81	40-140	
C10-C12 Aromatics	20.0	8.85	44	40-140	
C12-C16 Aromatics	26.7	13.9	52	40-140	
C21-C36 Aromatic	60.1	52.1	87	40-140	

Column to be used to flag recovery and RPD values

FORM III NJDEP EPH

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: MB 460-173297/1-A

Matrix: Solid Date Extracted: 07/30/2013 00:37

Lab File ID:(1) GCF79173.D Lab File ID:(2)

Date Analyzed:(1) 07/30/2013 13:11 Date Analyzed:(2)

Instrument ID:(1) CBNAGC4 Instrument ID:(2)

GC Column:(1) Rtx-5MS ID: 0.25(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
	LCS 460-173297/2-A	07/30/2013 13:43	
TS003 (072413)	200-17642-2	07/30/2013 19:26	
TS004 (072413)	200-17642-3	07/30/2013 19:40	

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: MB 460-173297/1-A

Matrix: Solid Date Extracted: 07/30/2013 00:37

Lab File ID:(1) GCR78333.D Lab File ID:(2)

Date Analyzed:(1) 07/30/2013 13:43 Date Analyzed:(2)

Instrument ID:(1) CBNAGC4 Instrument ID:(2)

GC Column:(1) Rtx-5MS ID: 0.25(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
	LCS 460-173297/2-A	07/30/2013 14:02	
TS003 (072413)	200-17642-2	07/30/2013 19:26	
TS004 (072413)	200-17642-3	07/30/2013 19:40	

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS003 (072413) | Lab Sample ID: 200-17642-2

Matrix: Solid | Lab File ID: GCR78356.D

Analysis Method: NJDEP EPH | Date Collected: 07/24/2013 13:30

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.02(g) | Date Analyzed: 07/30/2013 19:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: 18.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	4.0		2.4	2.4
STL00011	C10-C12 Aromatics	3.8		2.4	2.4
STL00266	C12-C16 Aromatics	2.4	U	2.4	2.4
STL01060	C21-C36 Aromatic	20		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	88		40-140
321-60-8	2-Fluorobiphenyl	80		40-140
580-13-2	2-Bromonaphthalene	44		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Lims ID:	200-17642-J-2-A	Client ID:	TS003 (072413)
Inject. Date:	30-Jul-2013 19:26:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002936-024		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	173419	Lims Sample ID:	24
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:13	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:05:02

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		805845	34.1	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		2949498	115.4	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		960236	33.2	
$ 6 o-Terphenyl		4.703				
$ 7 1-Chlorooctadecane	5.149	5.162	-0.013	986784	45.3	M
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		7036669	293.7	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Lims ID:	200-17642-J-2-A	Client ID:	TS003 (072413)
Inject. Date:	30-Jul-2013 19:26:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002929-024		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	77
Lims Batch ID:	173375	Lims Sample ID:	24
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:03:34	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:02:36

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A	2 C10-C12 Aromatics					M
	1.736	1.263 - 2.209		888554	23.5	M
$	3 2-Fluorobiphenyl					
	2.785	2.786	-0.001	2546030	40.0	
A	4 C12-C16 Aromatics					M
	2.827	2.209 - 3.445		431861	11.1	M
$	5 2-Bromonaphthalene					
	3.238	3.242	-0.004	916072	22.2	
A	7 C16-C21 Aromatics					M
	4.390	3.445 - 5.335		963025	24.7	M
$	8 o-Terphenyl					
	4.568	4.568	0.0	1568758	44.0	
A	10 C21-C36 Aromatic					M
	6.477	5.335 - 7.618		4378329	122.3	M

QC Flag Legend

Review Flags
M - Manually Integrated

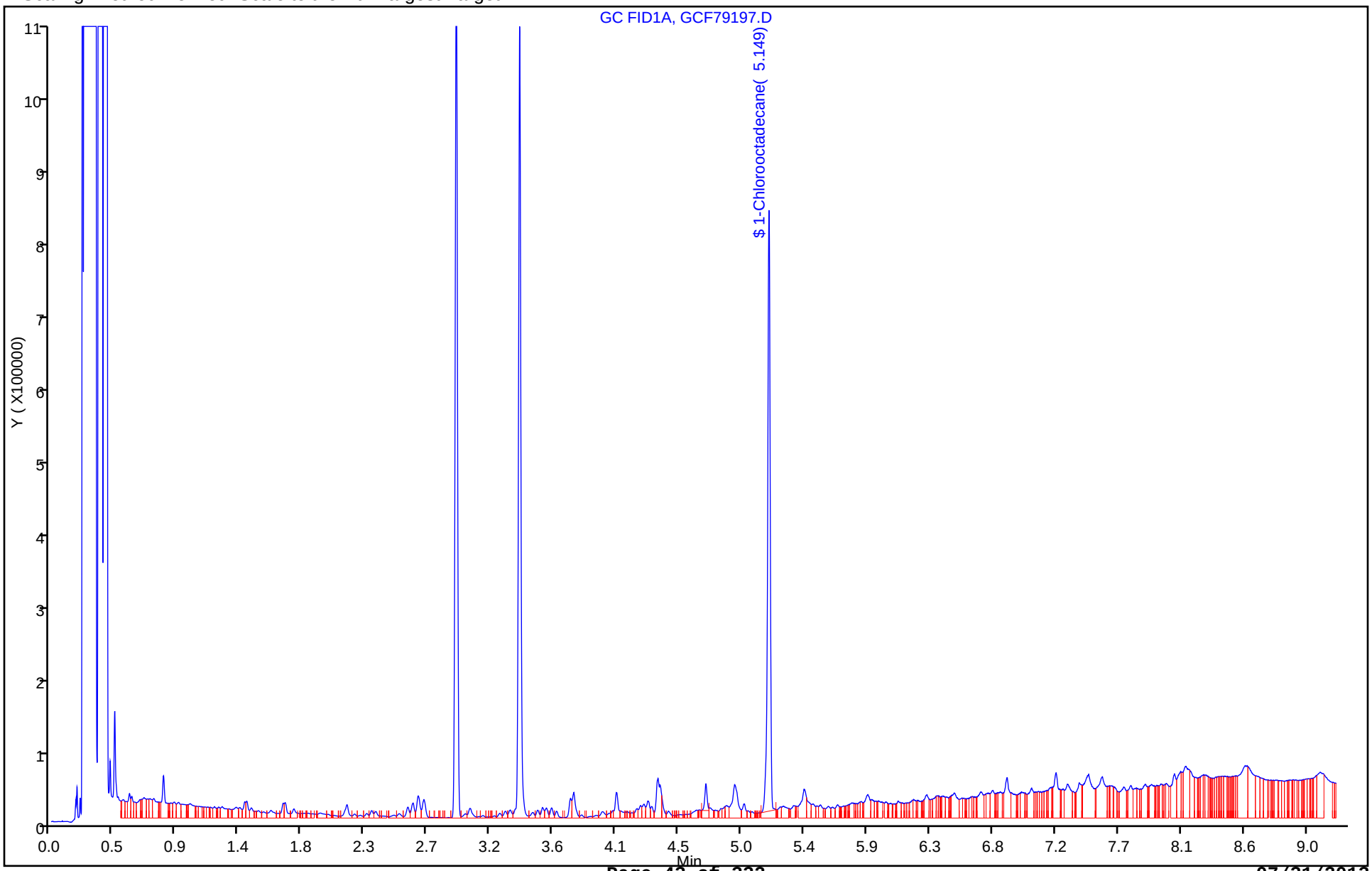
Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D

Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



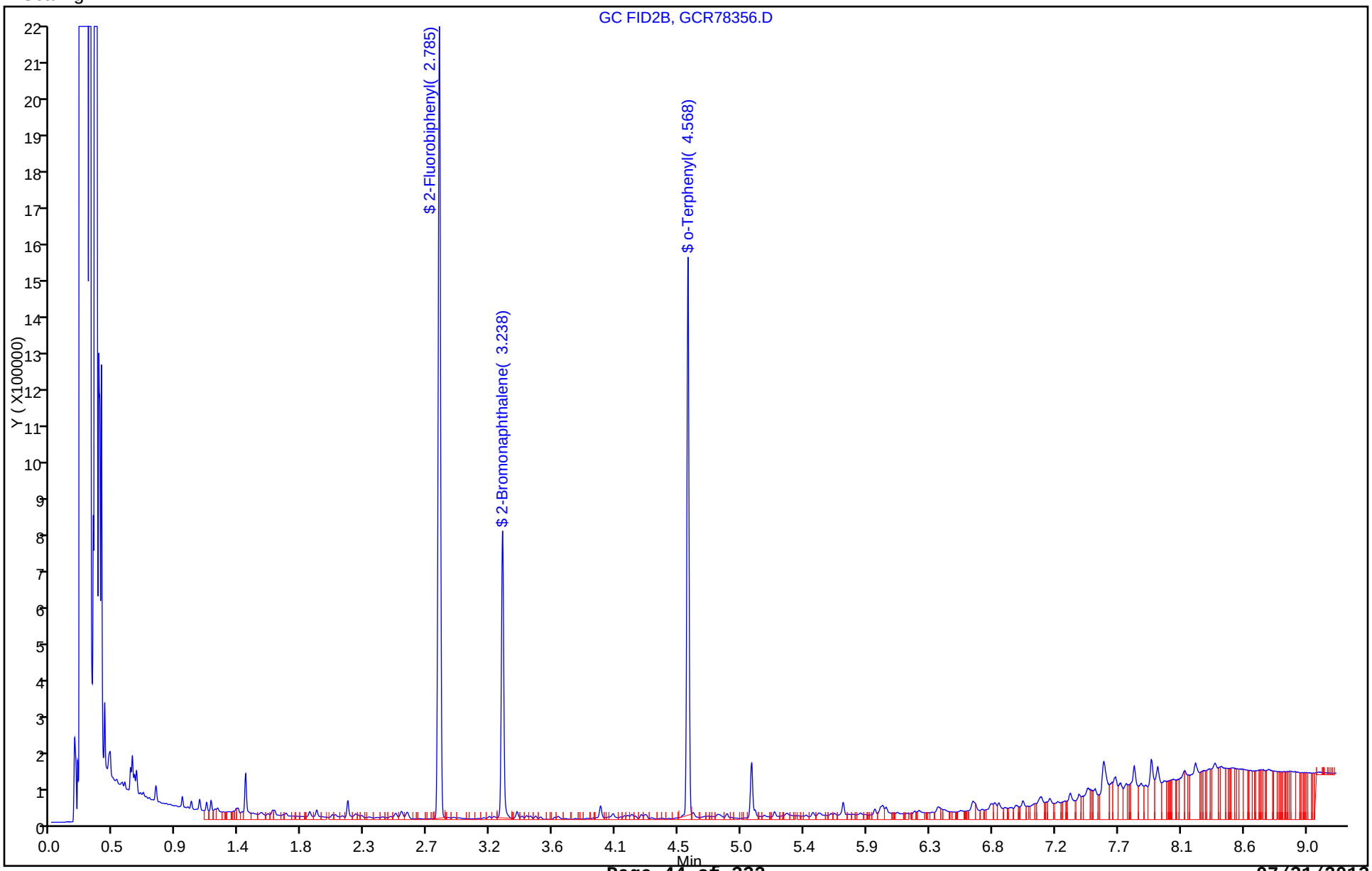
Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D

Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

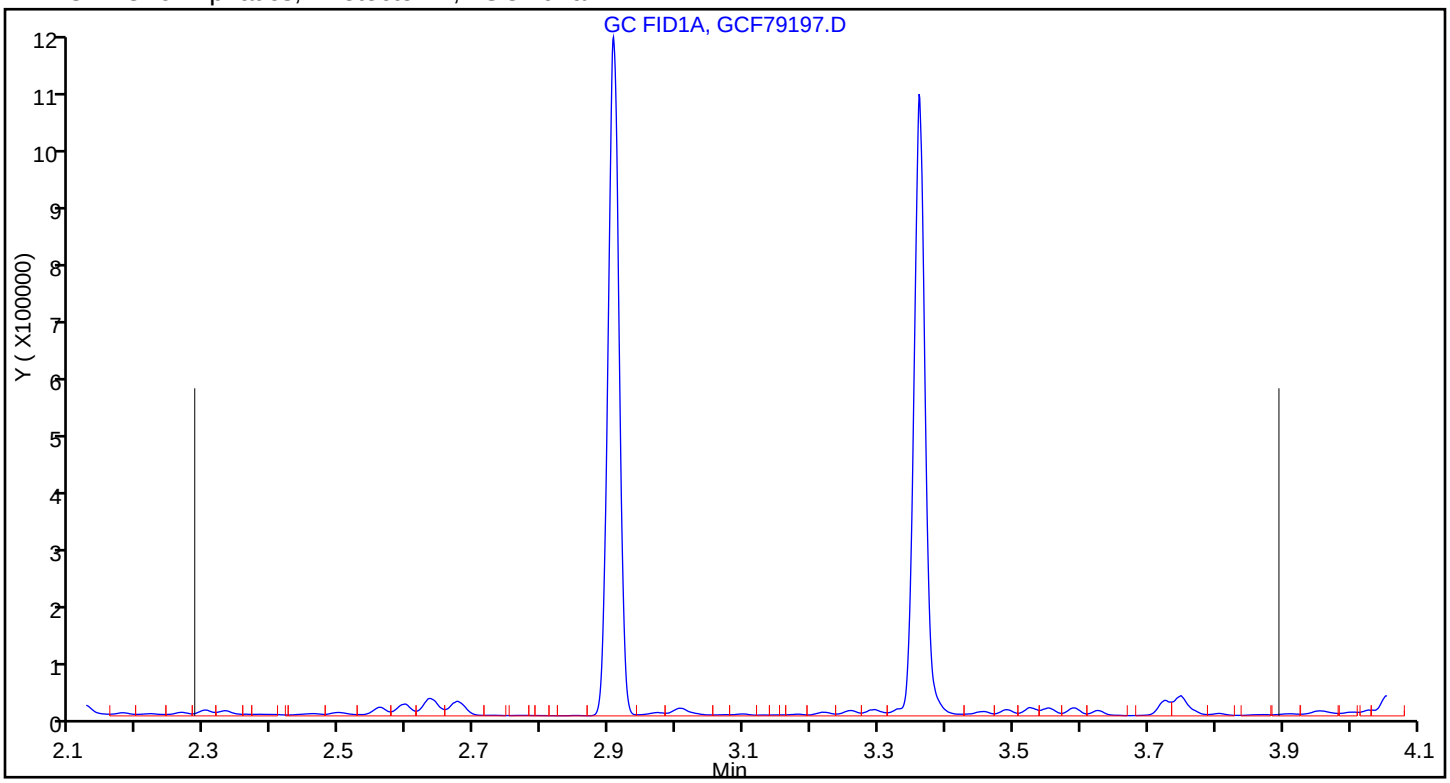


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

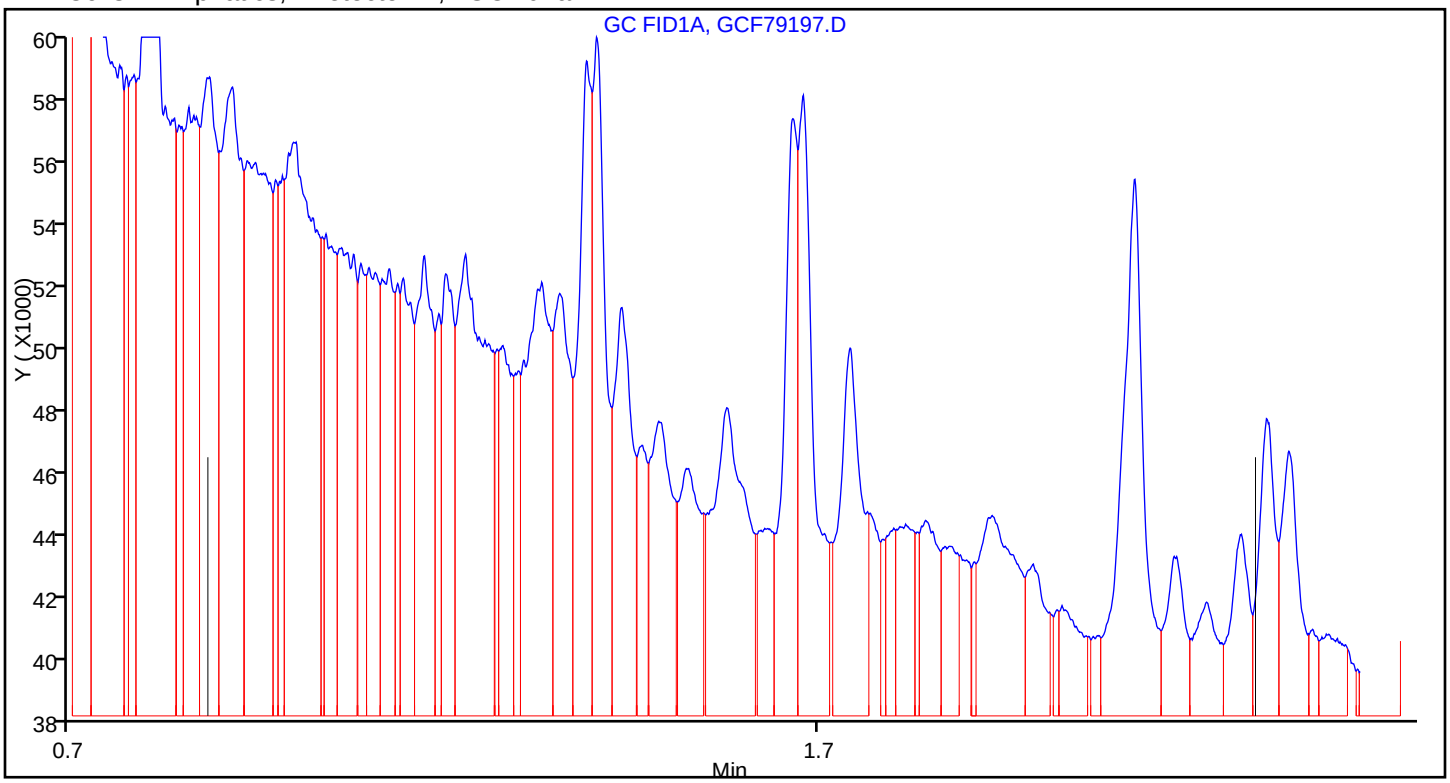


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a

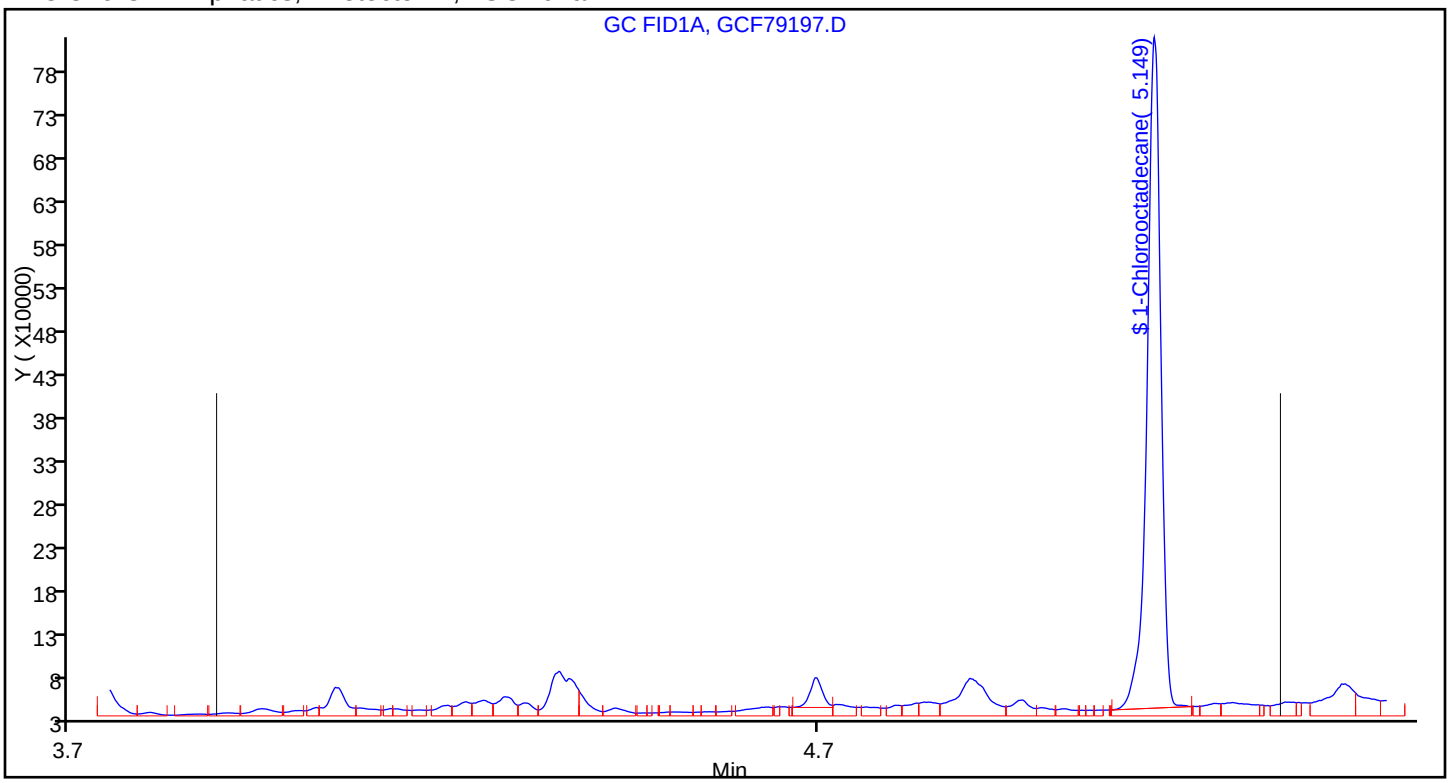


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a

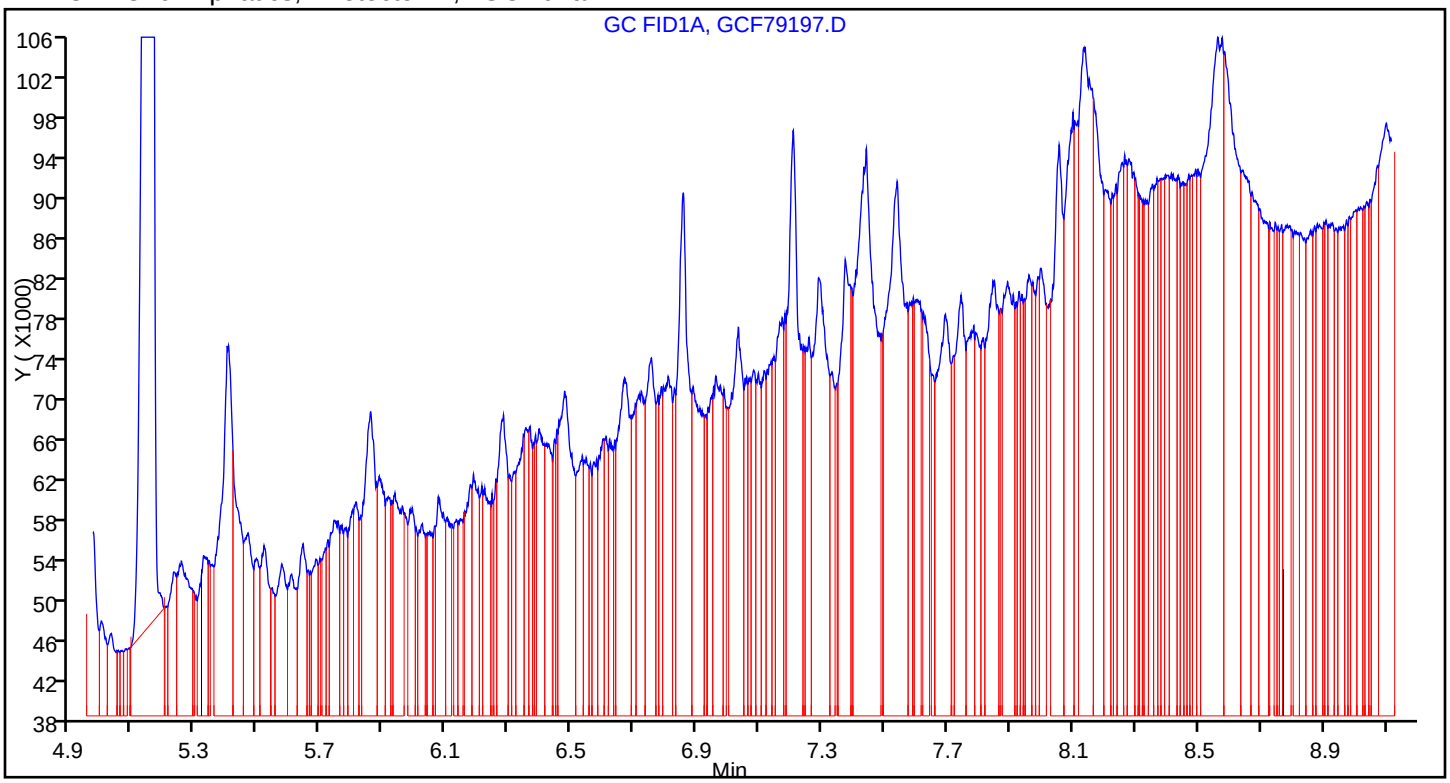


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a

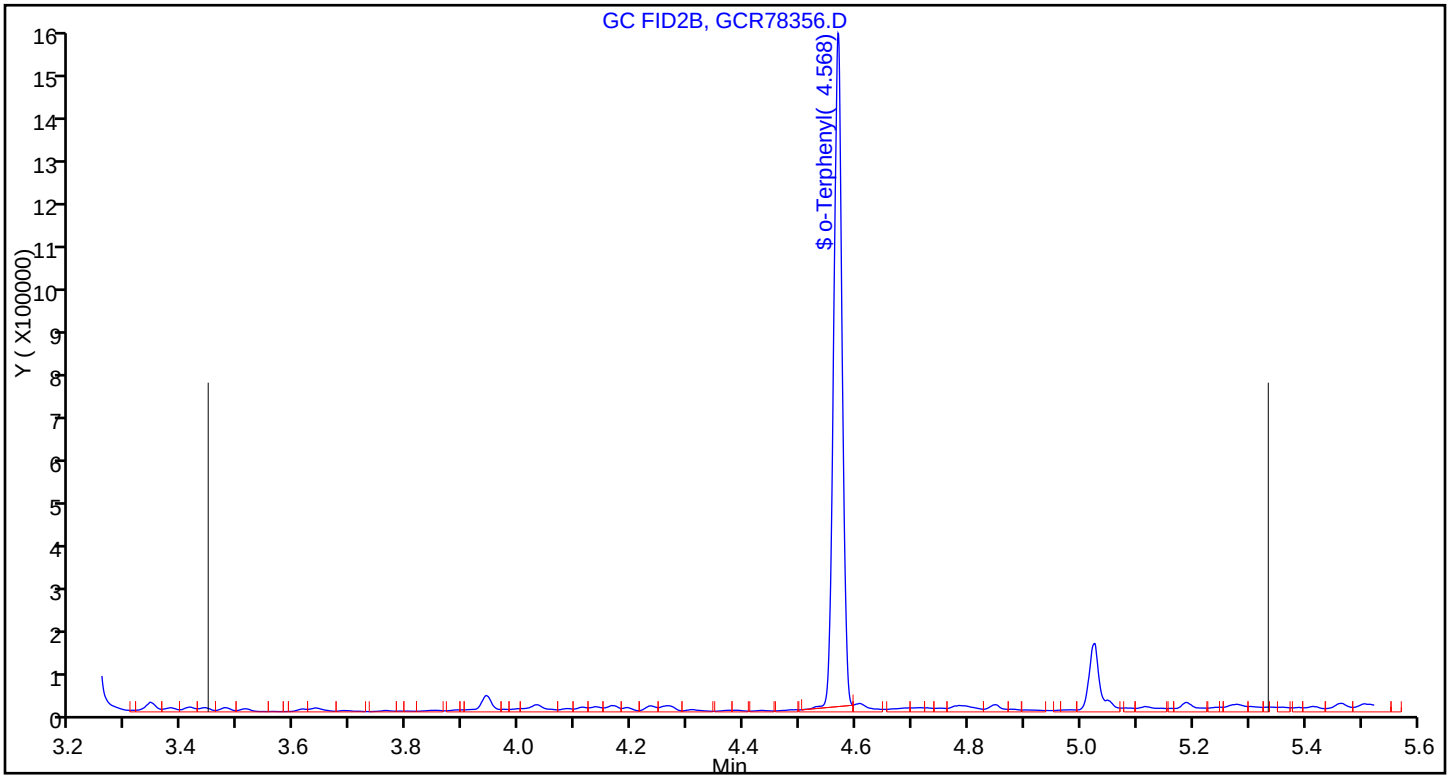


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

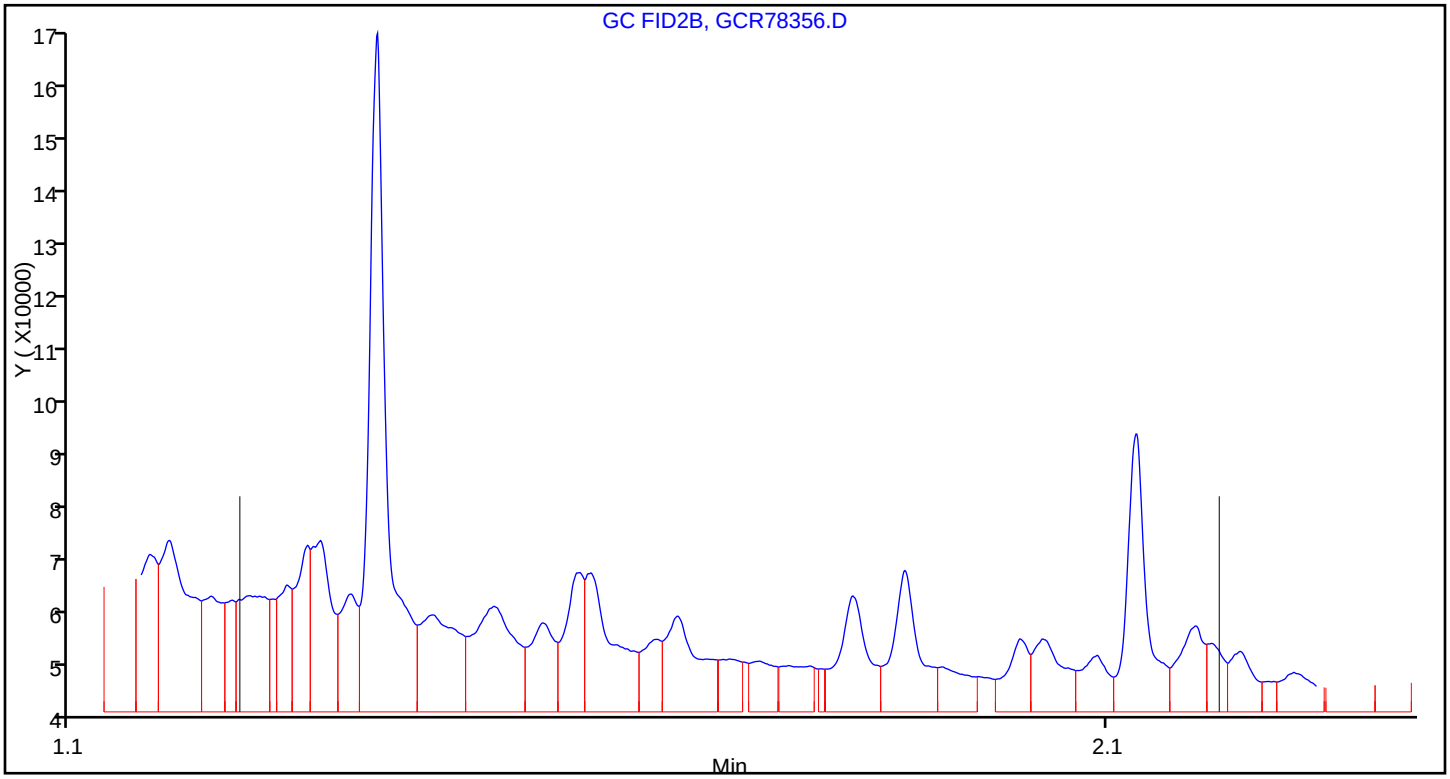


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

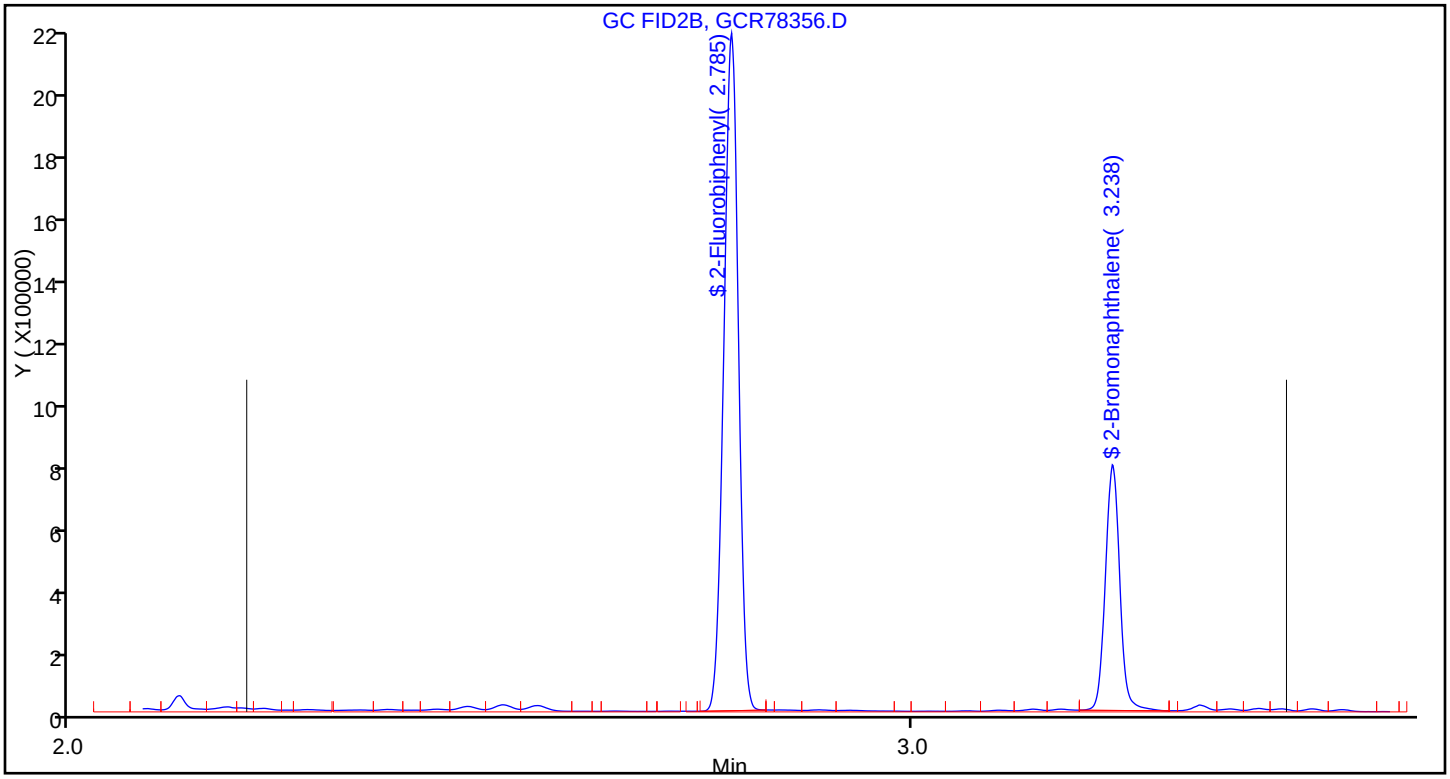


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

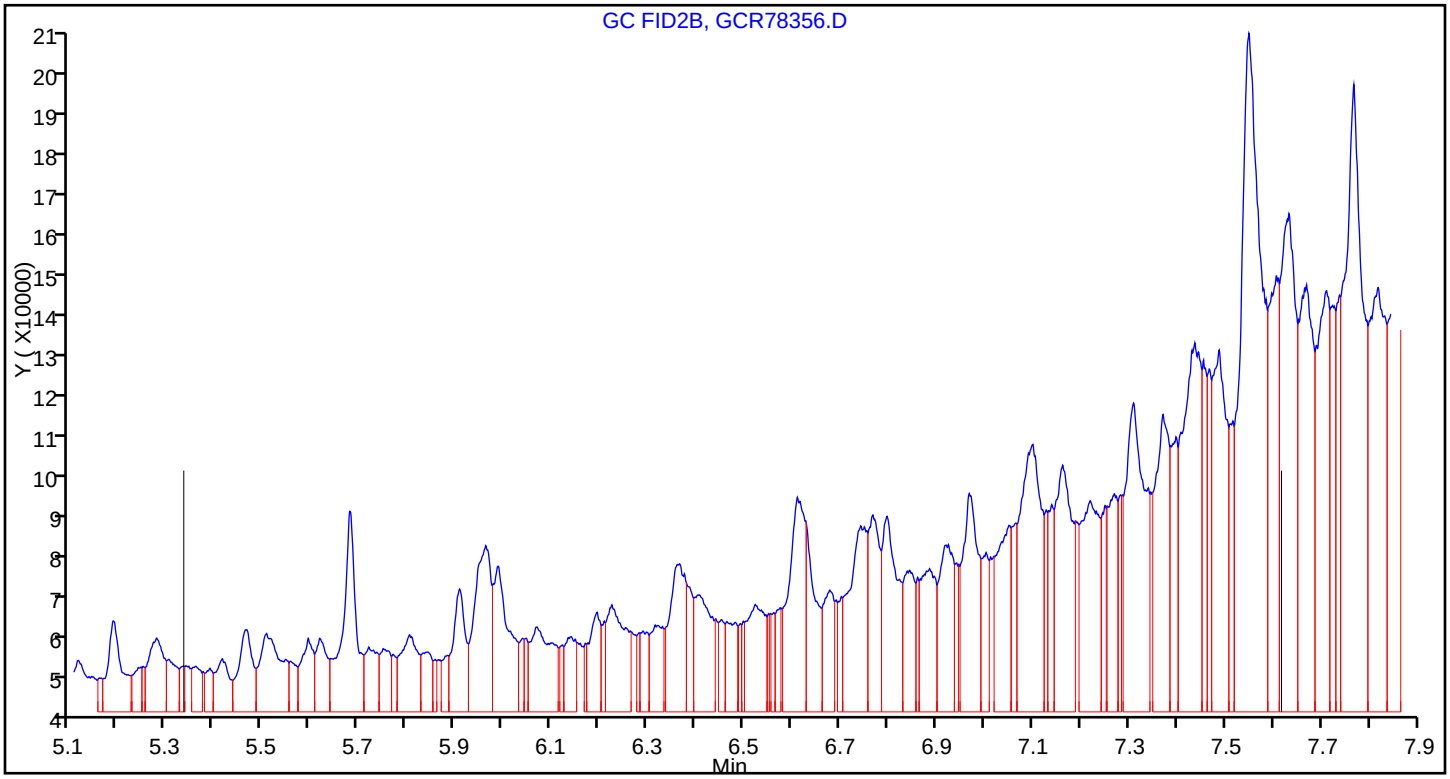


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



Manual Integration/User Assign Peak Report

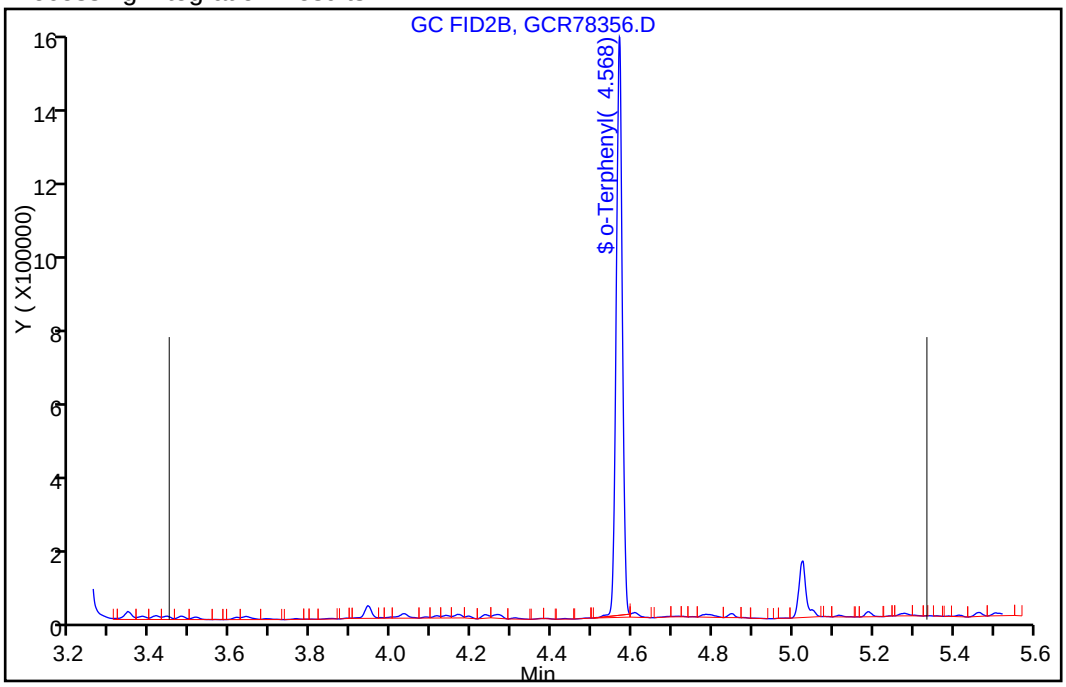
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Signal: 1, Type: quant, RT: 4.39

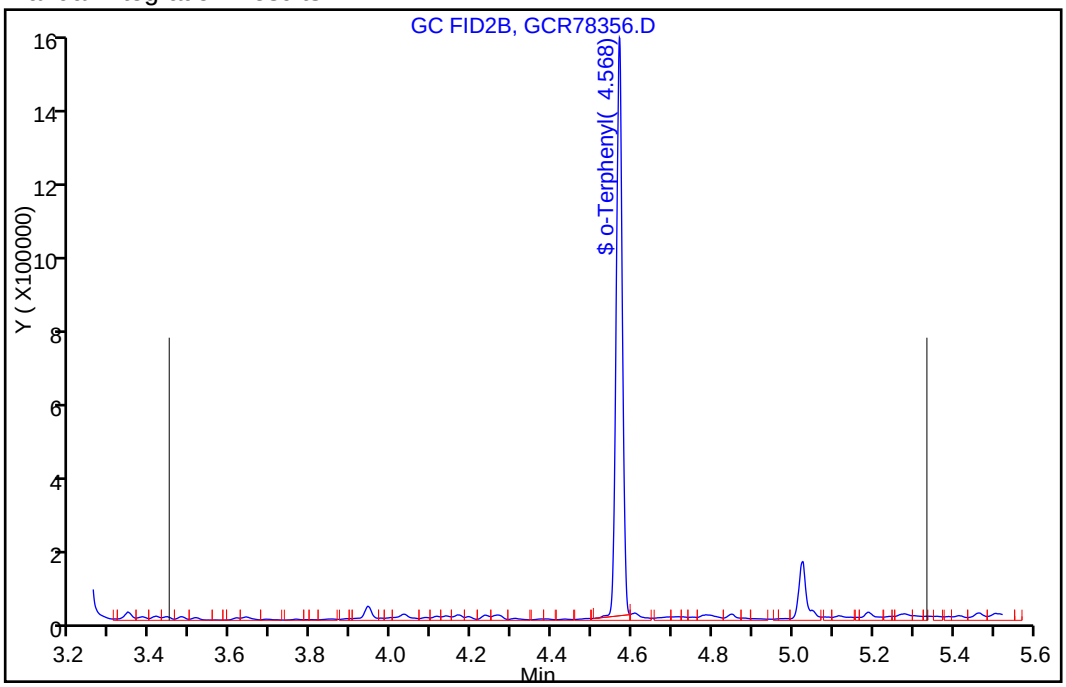
Processing Integration Results

RT: 4.39
Response: 486554
Amount: 12.500747



Manual Integration Results

RT: 4.39
Response: 963025
Amount: 24.742437



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

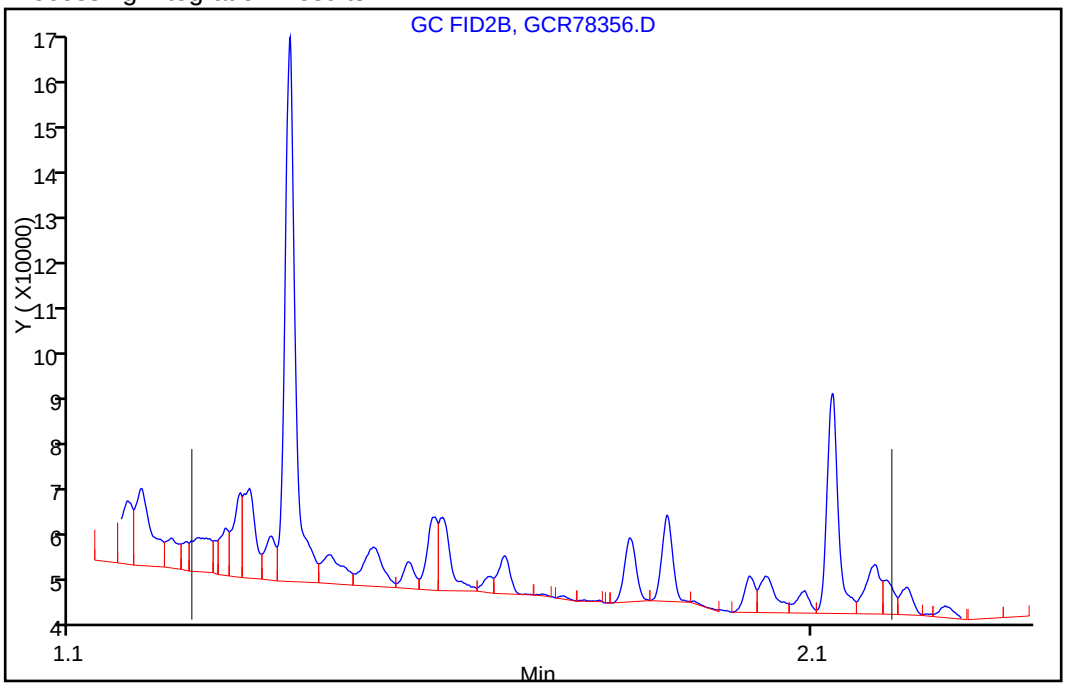
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Signal: 1, Type: quant, RT: 1.74

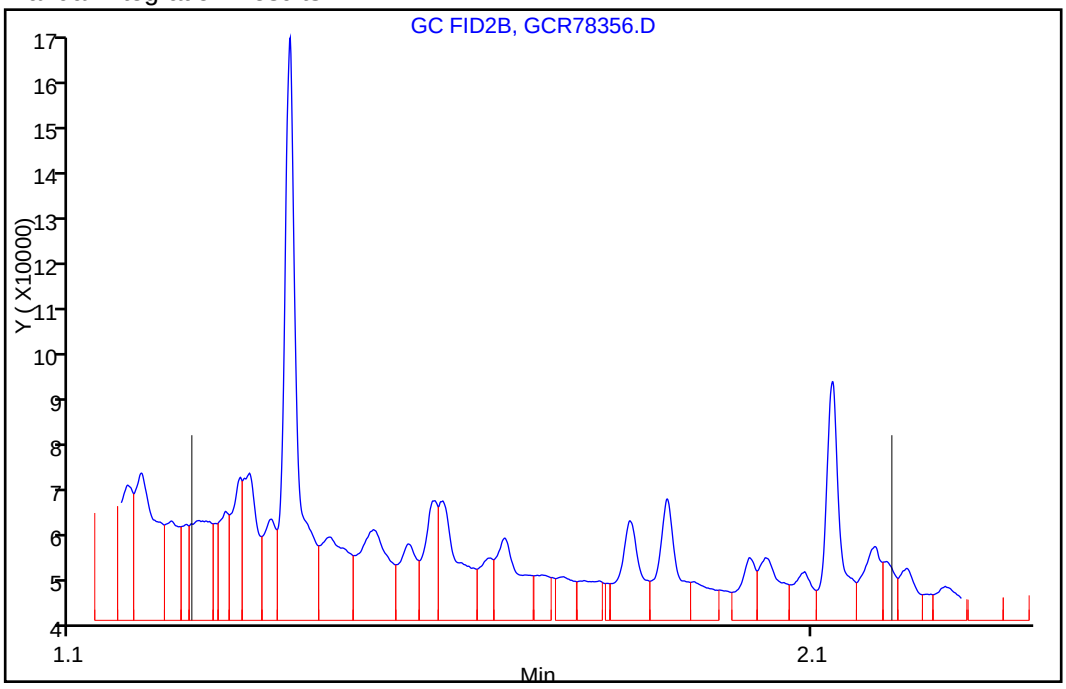
Processing Integration Results

RT: 1.74
Response: 378688
Amount: 10.002935



Manual Integration Results

RT: 1.74
Response: 888554
Amount: 23.470900



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

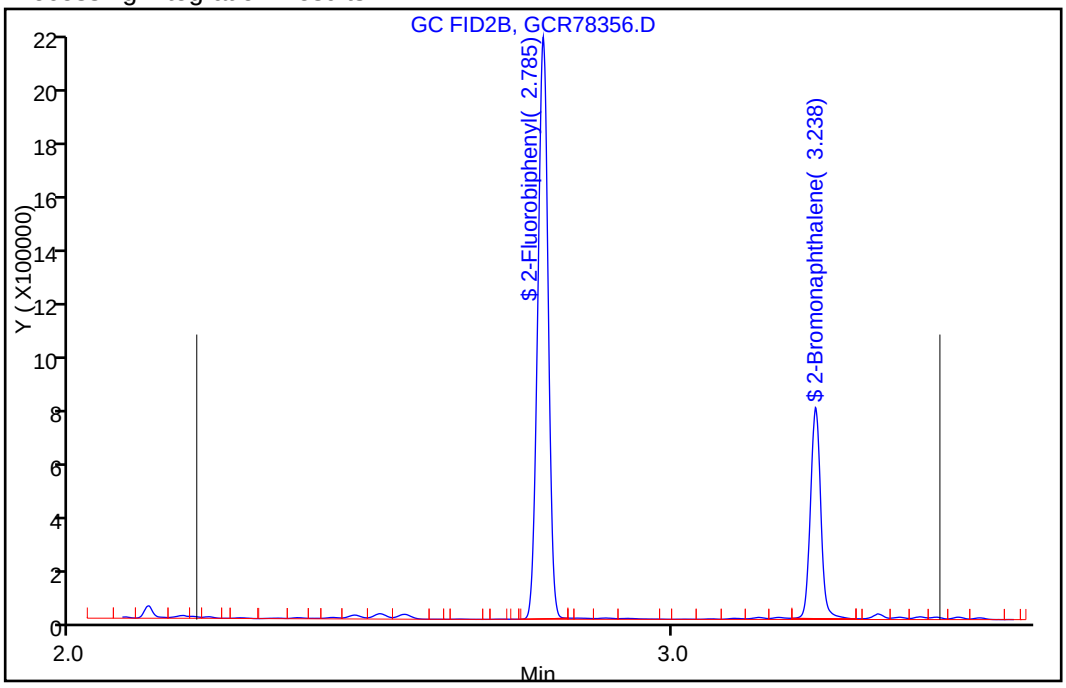
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Signal: 1, Type: quant, RT: 2.83

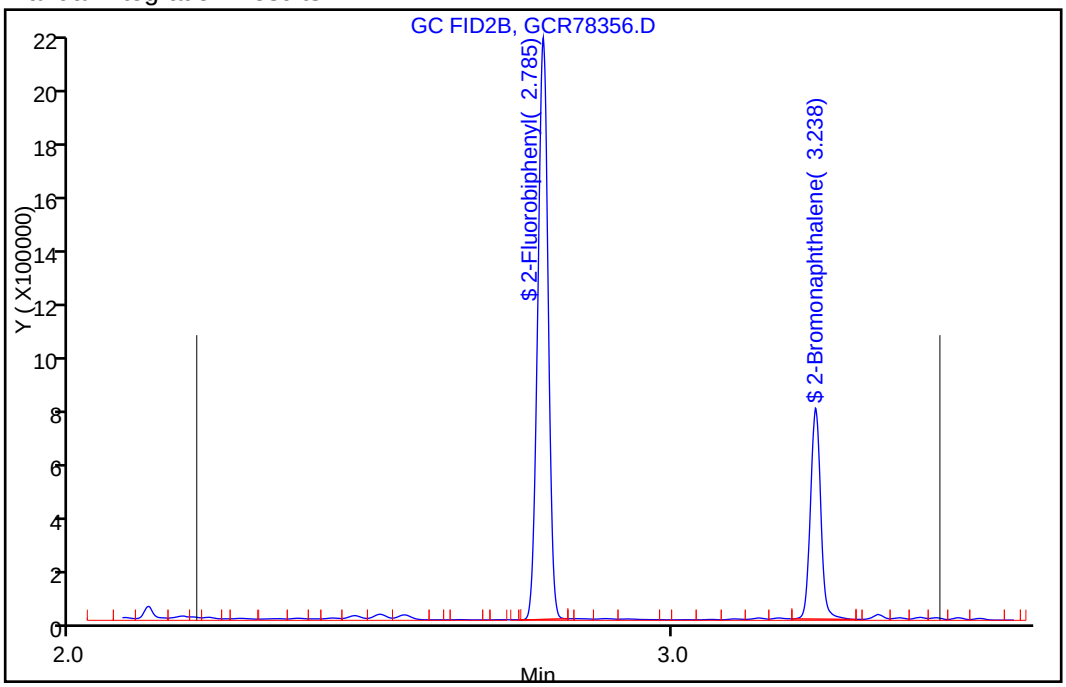
Processing Integration Results

RT: 2.83
Response: 267680
Amount: 6.898849



Manual Integration Results

RT: 2.83
Response: 431861
Amount: 11.130245



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

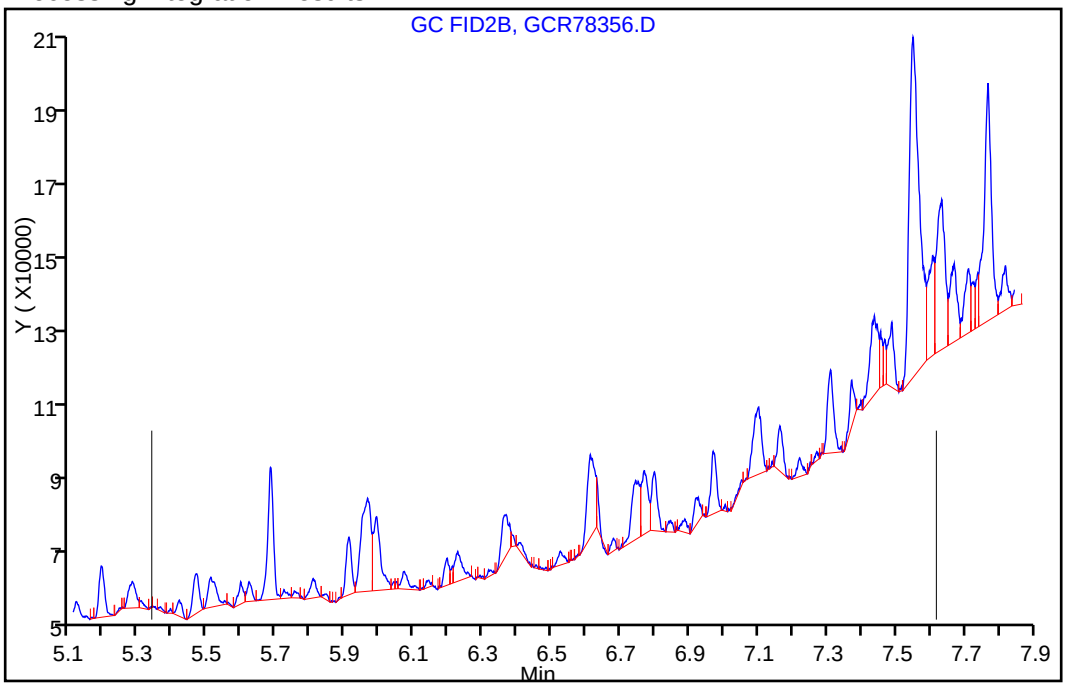
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Signal: 1, Type: quant, RT: 6.48

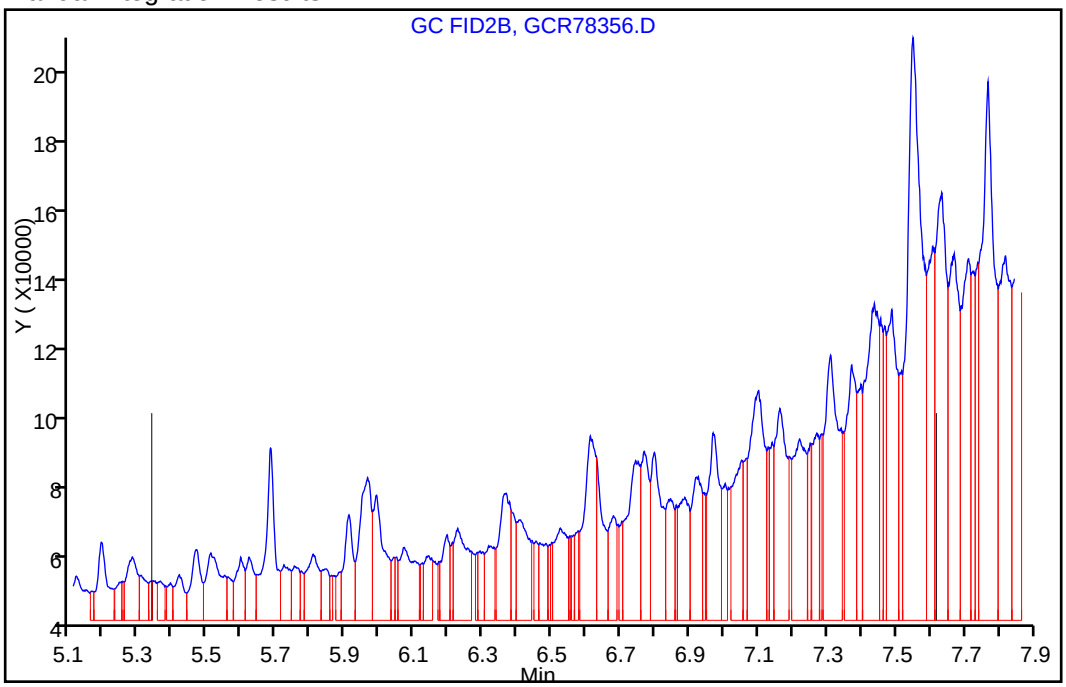
Processing Integration Results

RT: 6.48
Response: 746593
Amount: 20.858368



Manual Integration Results

RT: 6.48
Response: 4378329
Amount: 122.3221



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

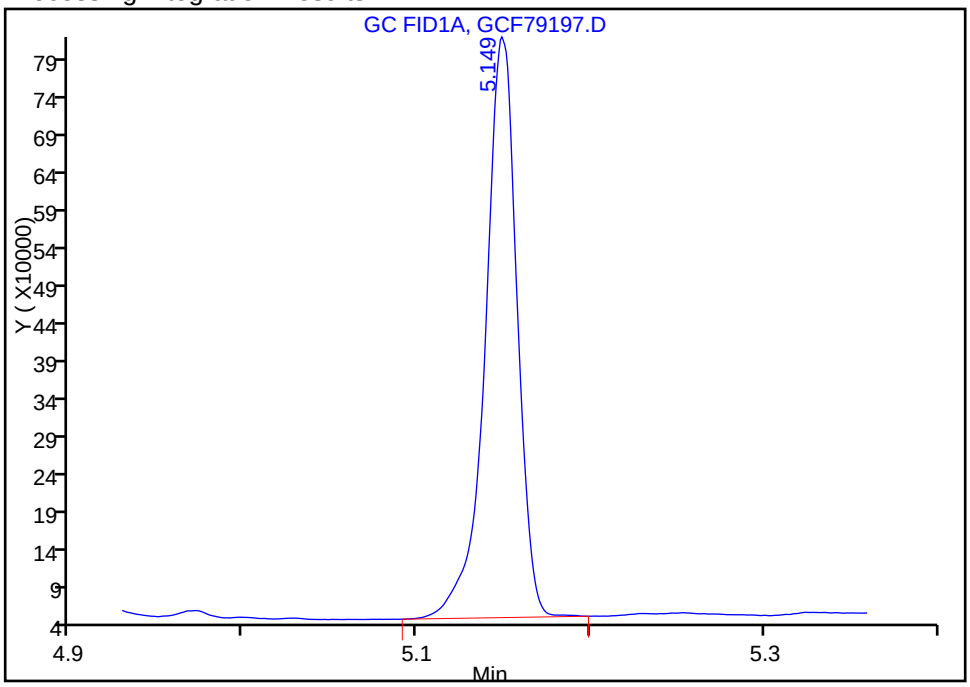
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

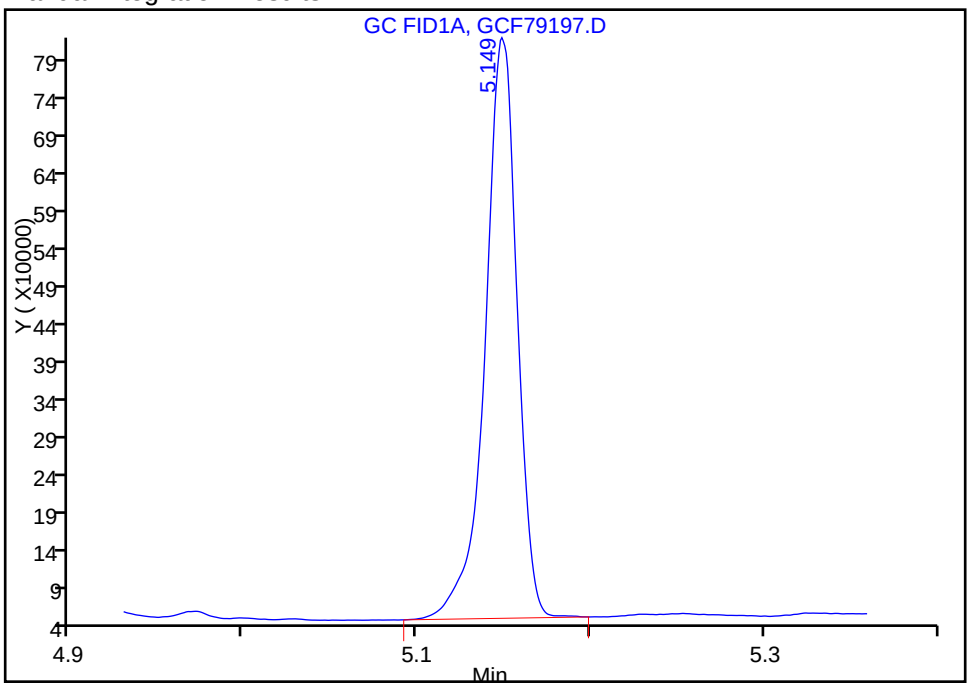
Processing Integration Results

RT: 5.15
Response: 986831
Amount: 45.270658



Manual Integration Results

RT: 5.15
Response: 986784
Amount: 45.268502



Reviewer: kimh, 31-Jul-2013 08:05:02
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS003 (072413) | Lab Sample ID: 200-17642-2

Matrix: Solid | Lab File ID: GCF79197.D

Analysis Method: NJDEP EPH | Date Collected: 07/24/2013 13:30

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.02(g) | Date Analyzed: 07/30/2013 19:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: 18.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	19		2.4	2.4
STL00191	C9-C12 Aliphatics	5.6		2.4	2.4
STL00950	C16-C21 Aliphatics	5.4		2.4	2.4
STL01059	C21-C40 Aliphatics	48		2.4	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	91		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Lims ID:	200-17642-J-2-A	Client ID:	TS003 (072413)
Inject. Date:	30-Jul-2013 19:26:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002936-024		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	173419	Lims Sample ID:	24
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:13	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		
First Level Reviewer: kimh		Date:	31-Jul-2013 08:05:02

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		805845	34.1	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		2949498	115.4	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		960236	33.2	
$ 6 o-Terphenyl		4.703				
$ 7 1-Chlorooctadecane	5.149	5.162	-0.013	986784	45.3	M
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		7036669	293.7	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Lims ID:	200-17642-J-2-A	Client ID:	TS003 (072413)
Inject. Date:	30-Jul-2013 19:26:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002929-024		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	77
Lims Batch ID:	173375	Lims Sample ID:	24
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:03:34	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:02:36

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A	2 C10-C12 Aromatics					M
	1.736	1.263 - 2.209		888554	23.5	M
$	3 2-Fluorobiphenyl					
	2.785	2.786	-0.001	2546030	40.0	
A	4 C12-C16 Aromatics					M
	2.827	2.209 - 3.445		431861	11.1	M
$	5 2-Bromonaphthalene					
	3.238	3.242	-0.004	916072	22.2	
A	7 C16-C21 Aromatics					M
	4.390	3.445 - 5.335		963025	24.7	M
$	8 o-Terphenyl					
	4.568	4.568	0.0	1568758	44.0	
A	10 C21-C36 Aromatic					M
	6.477	5.335 - 7.618		4378329	122.3	M

QC Flag Legend

Review Flags
M - Manually Integrated

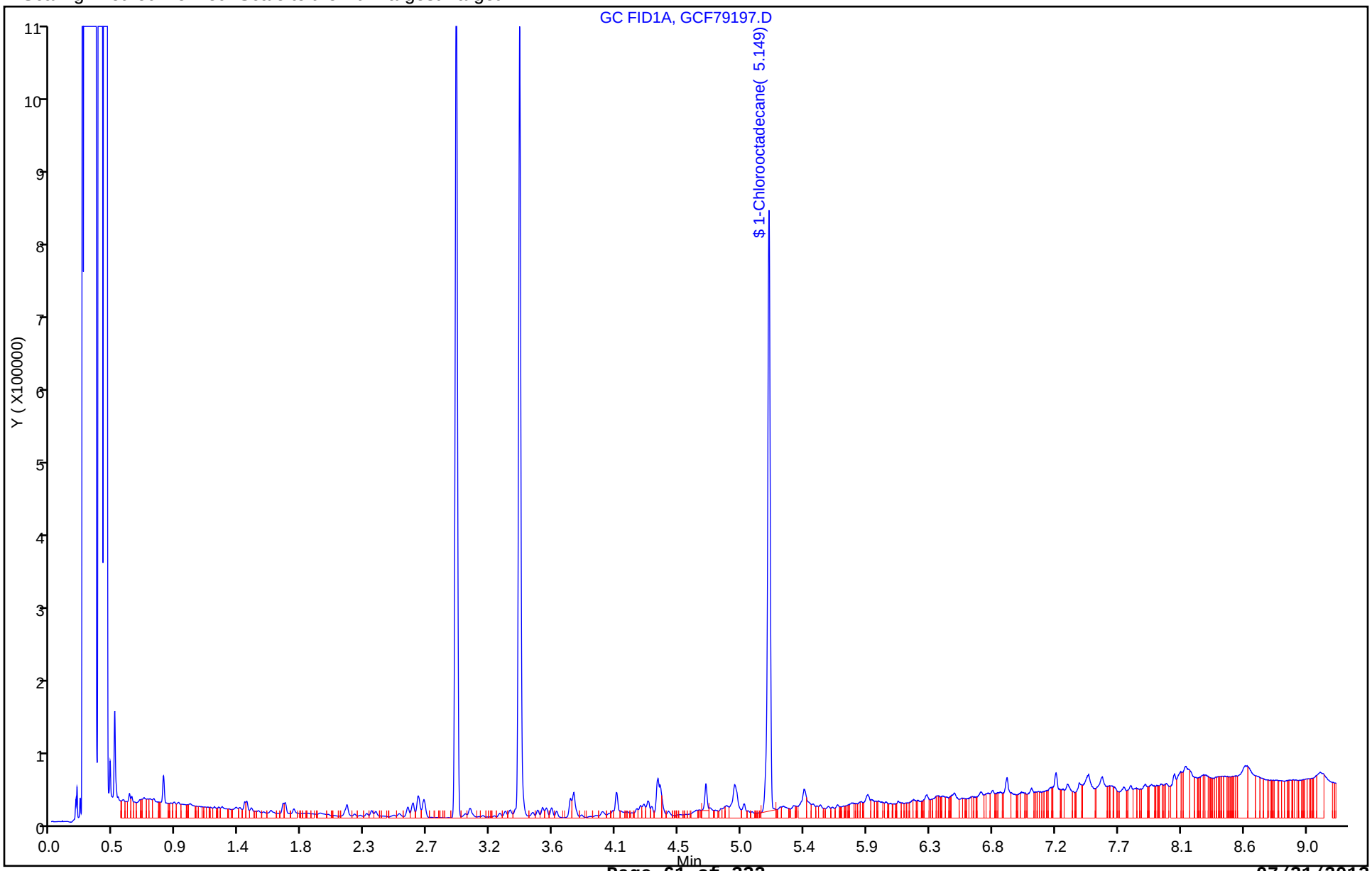
Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D

Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



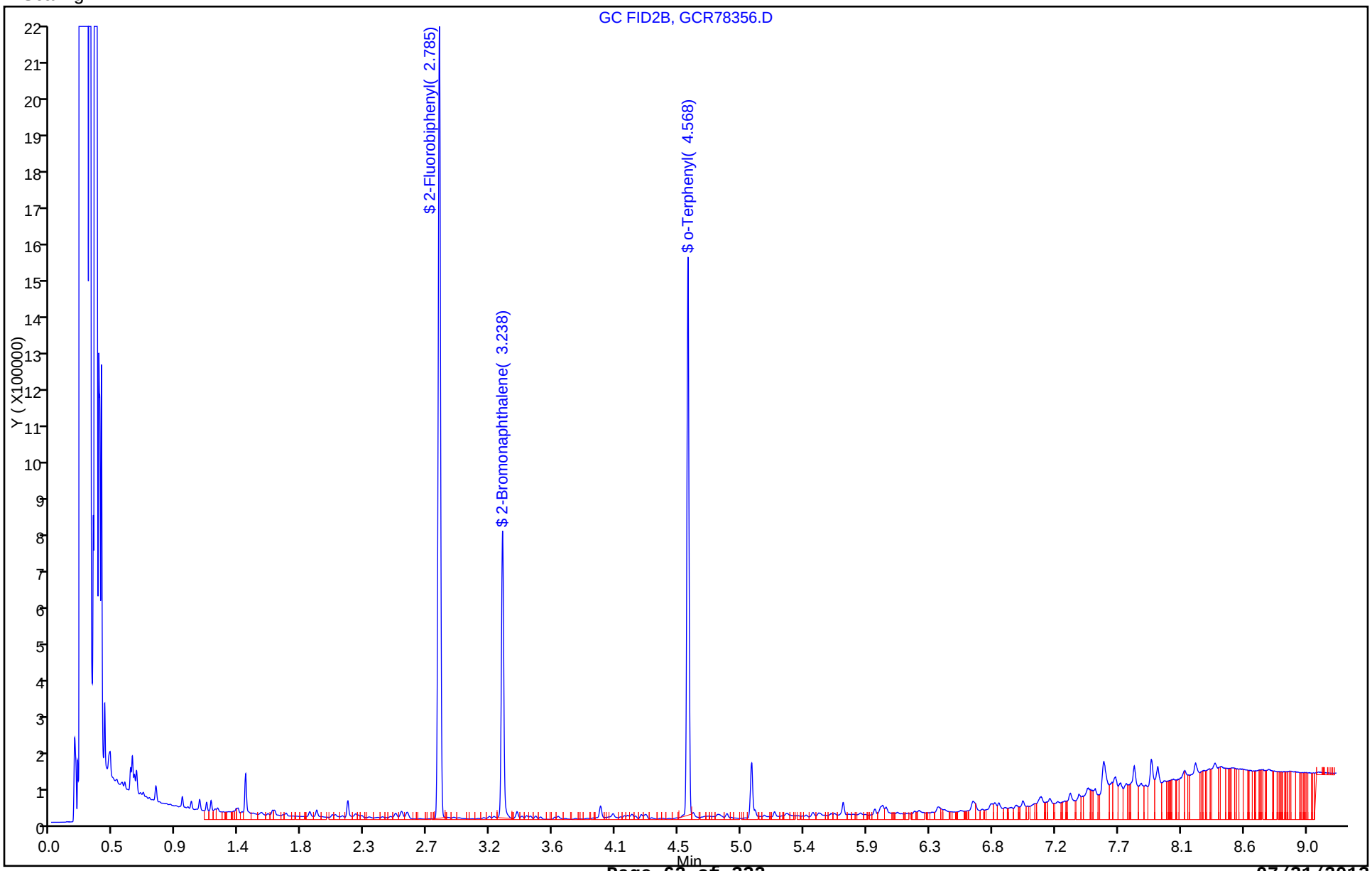
Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D

Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

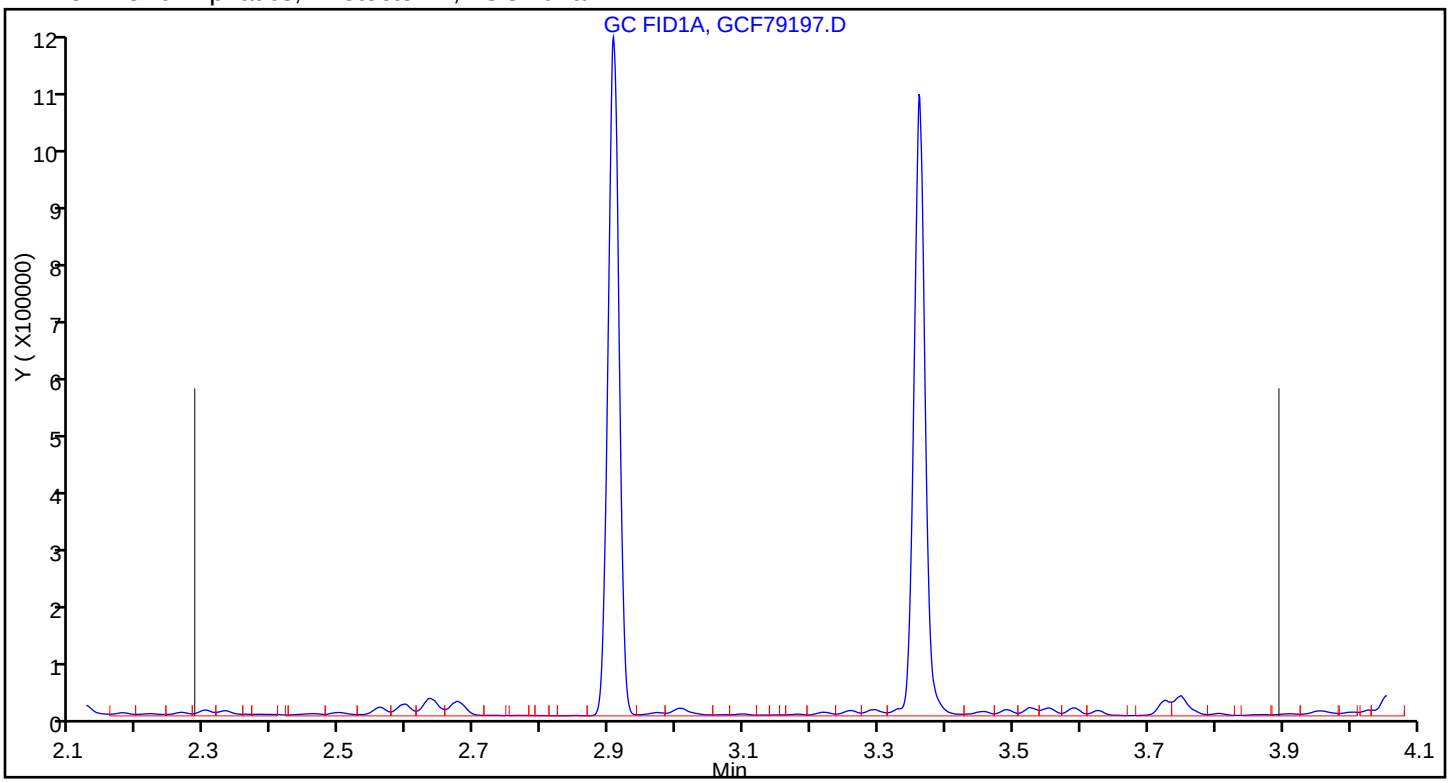


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

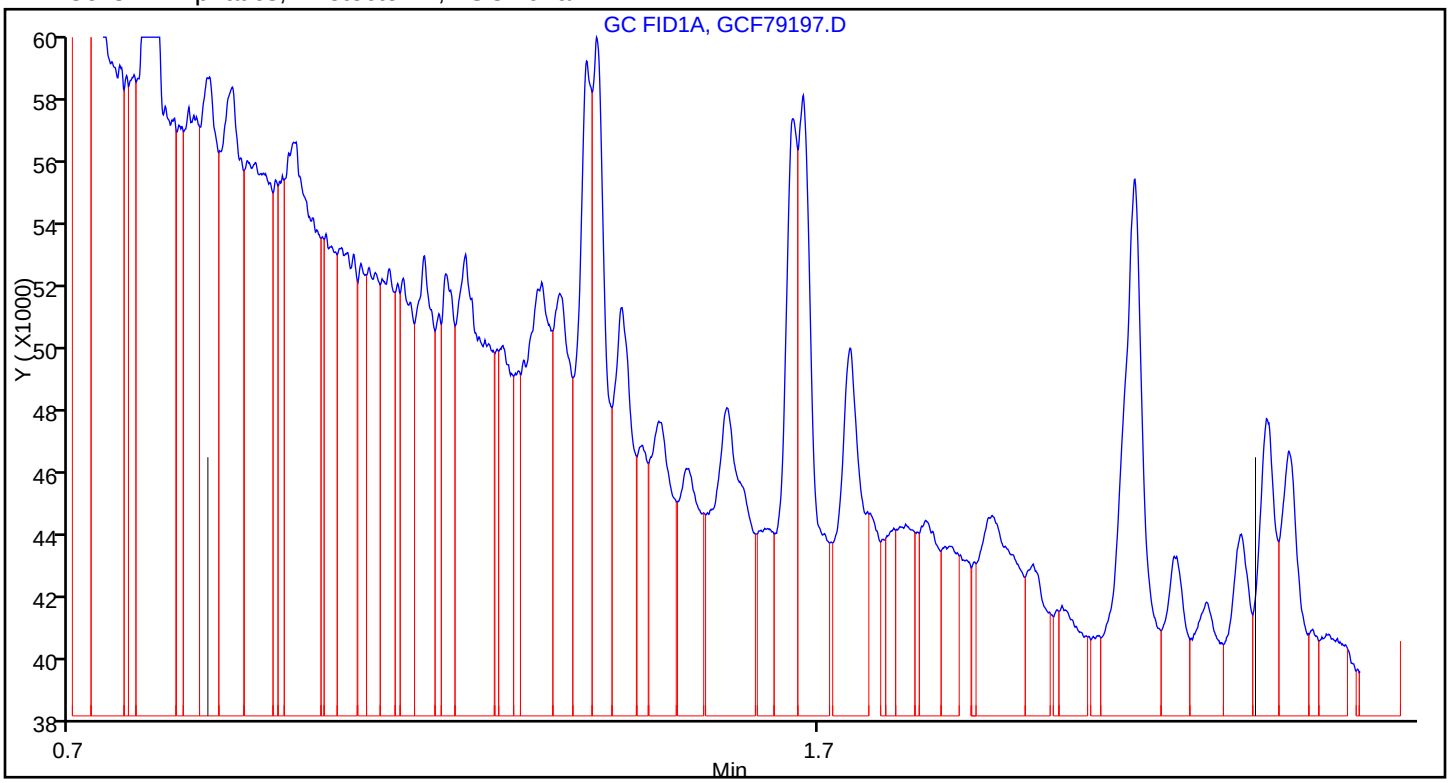


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a

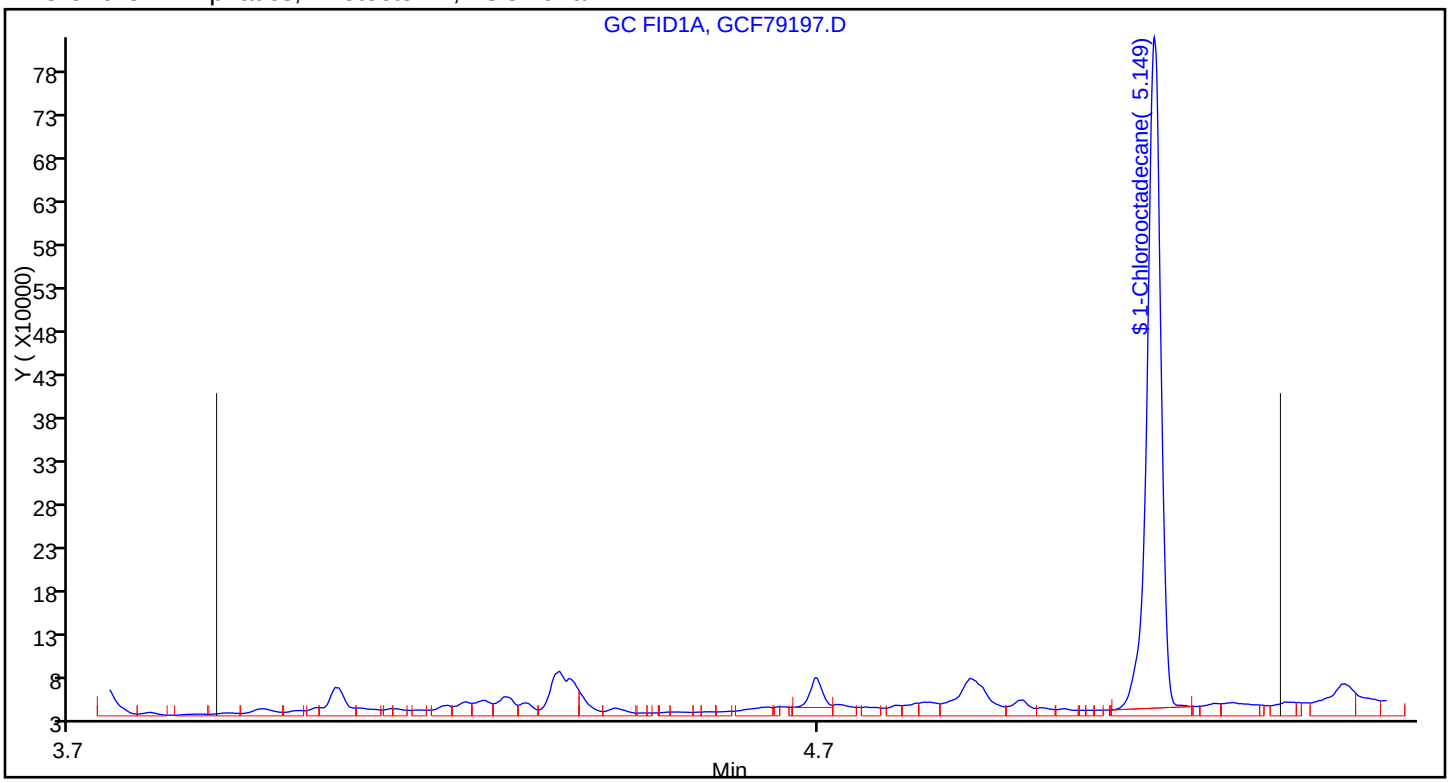


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a

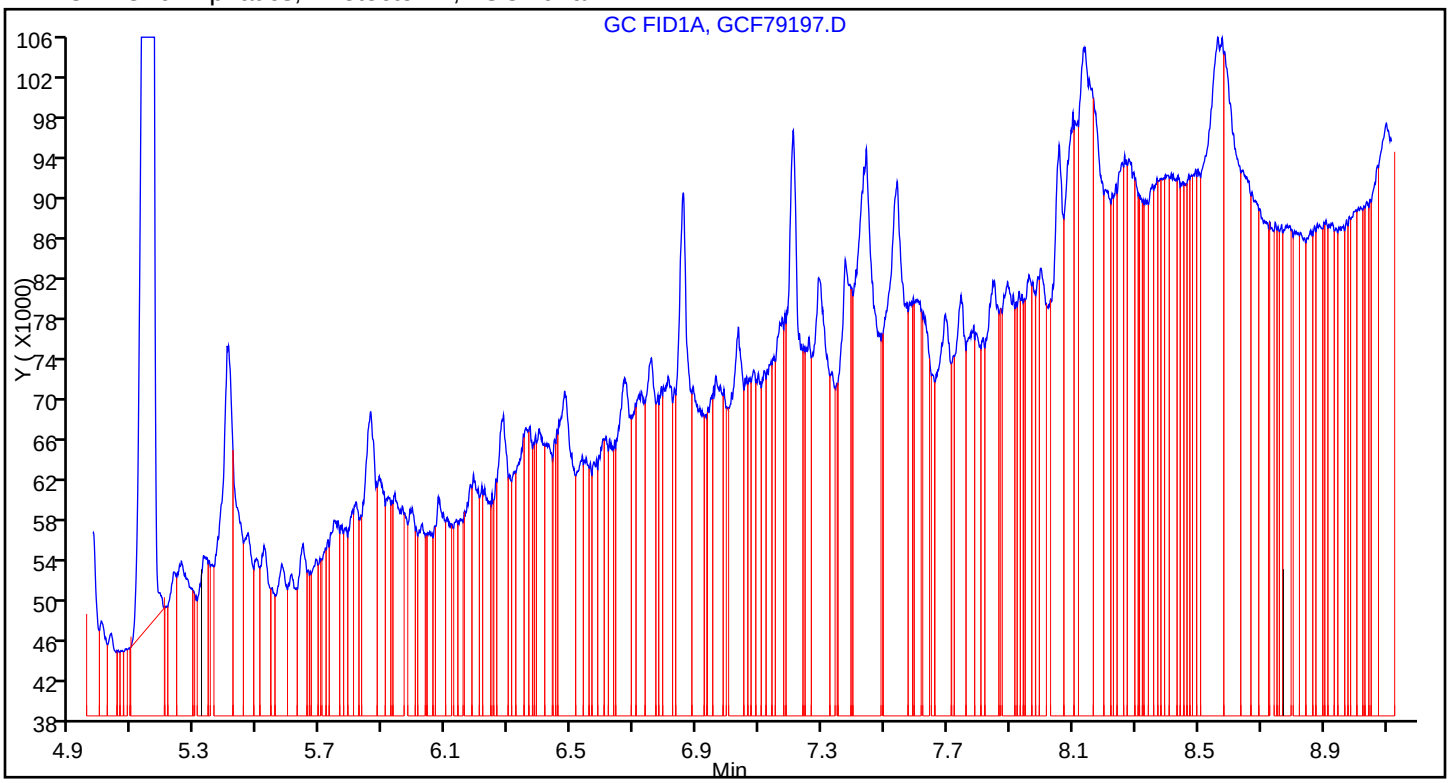


Report Date: 31-Jul-2013 08:13:56 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a

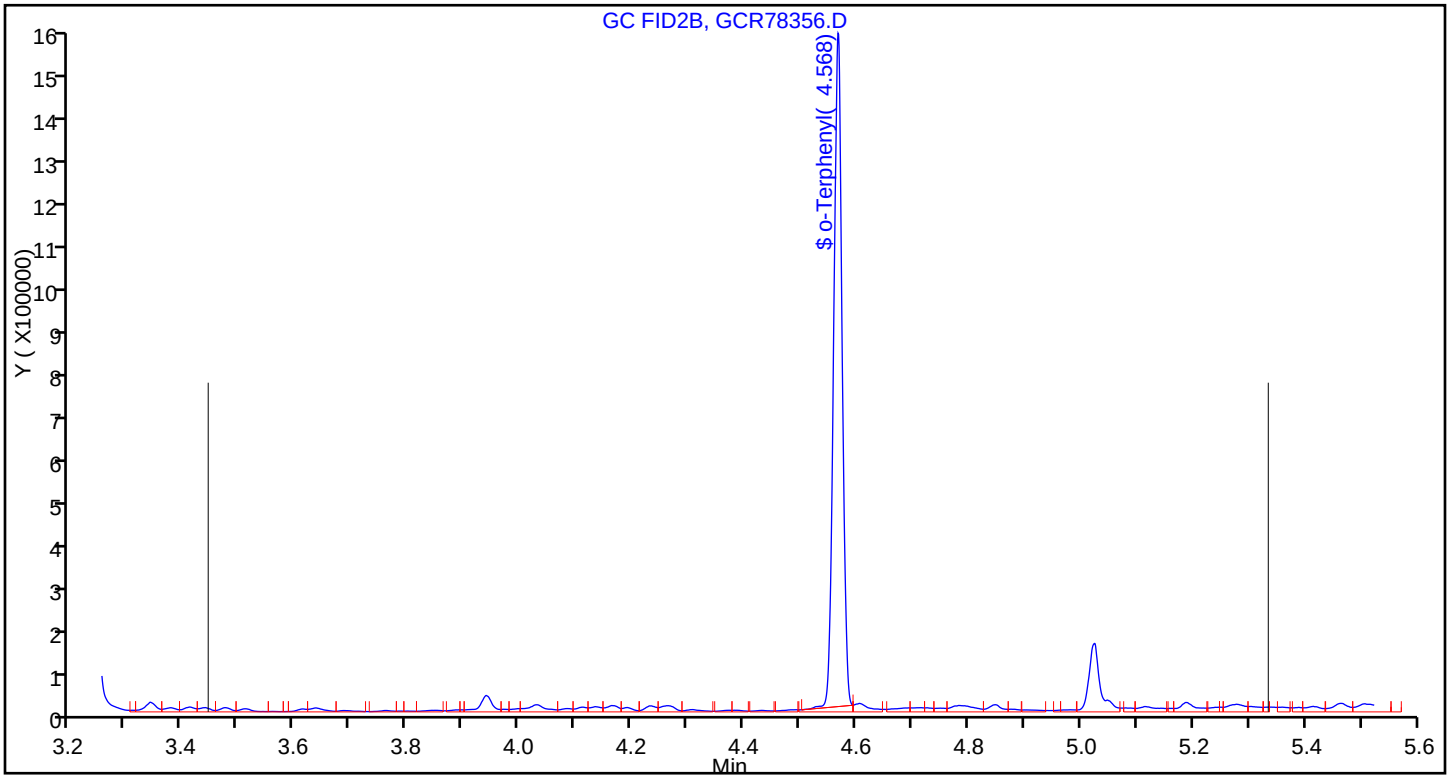


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

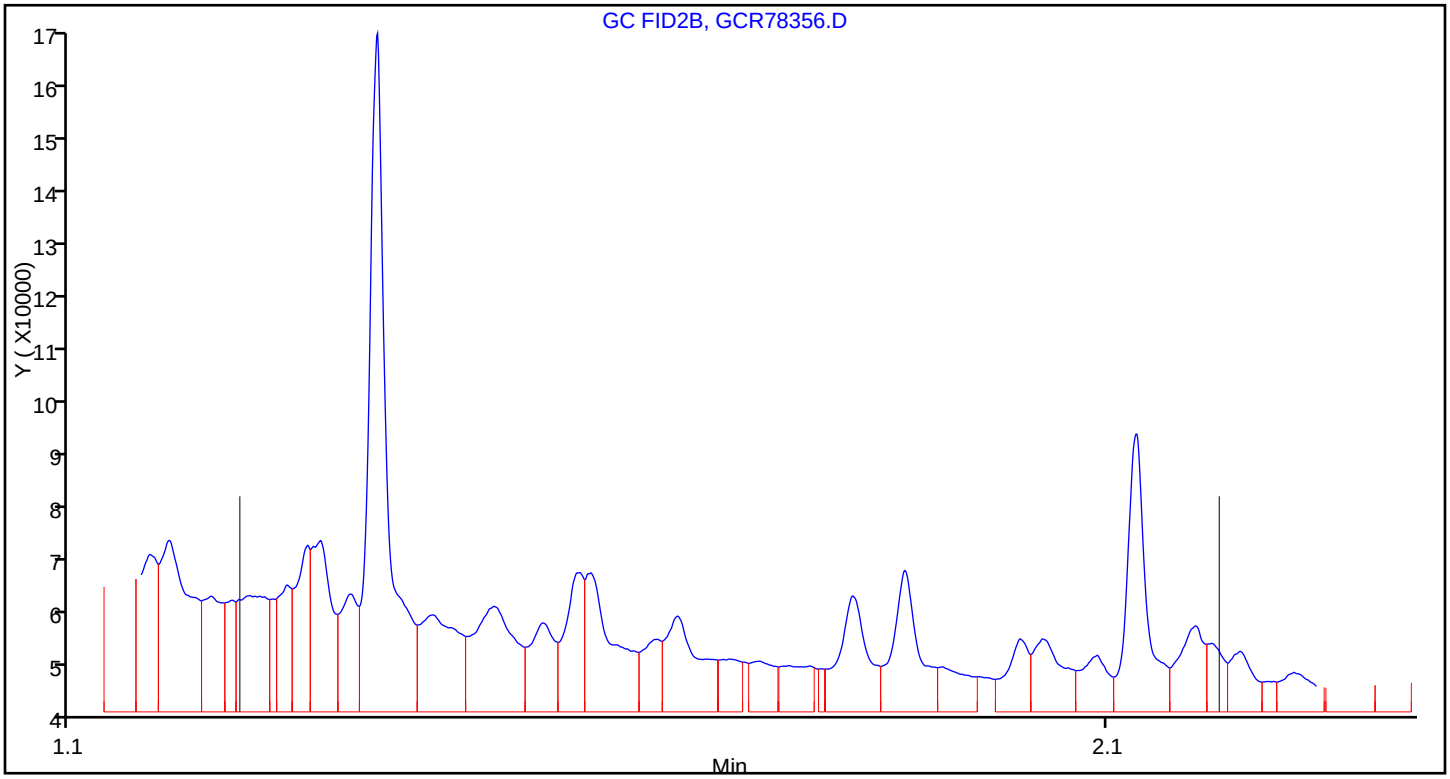


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

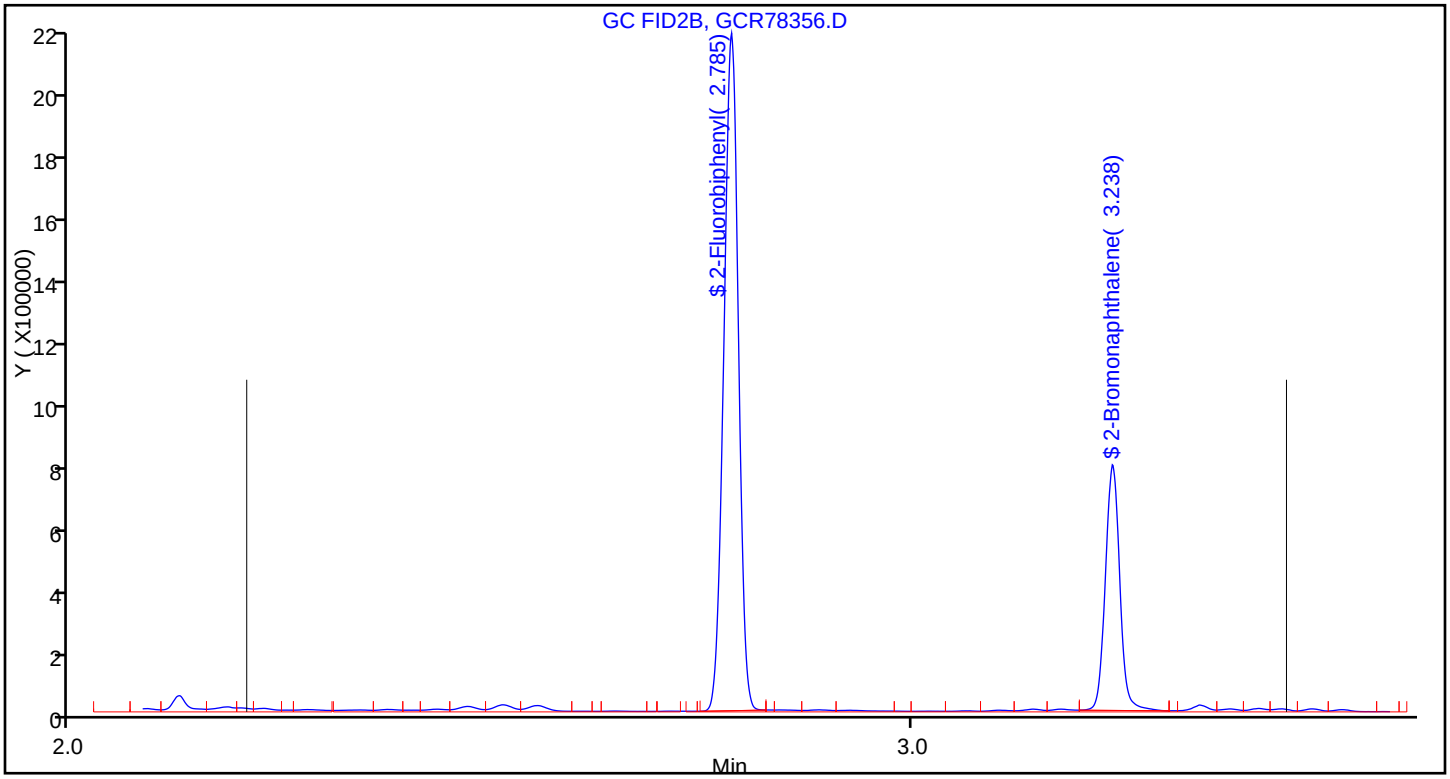


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

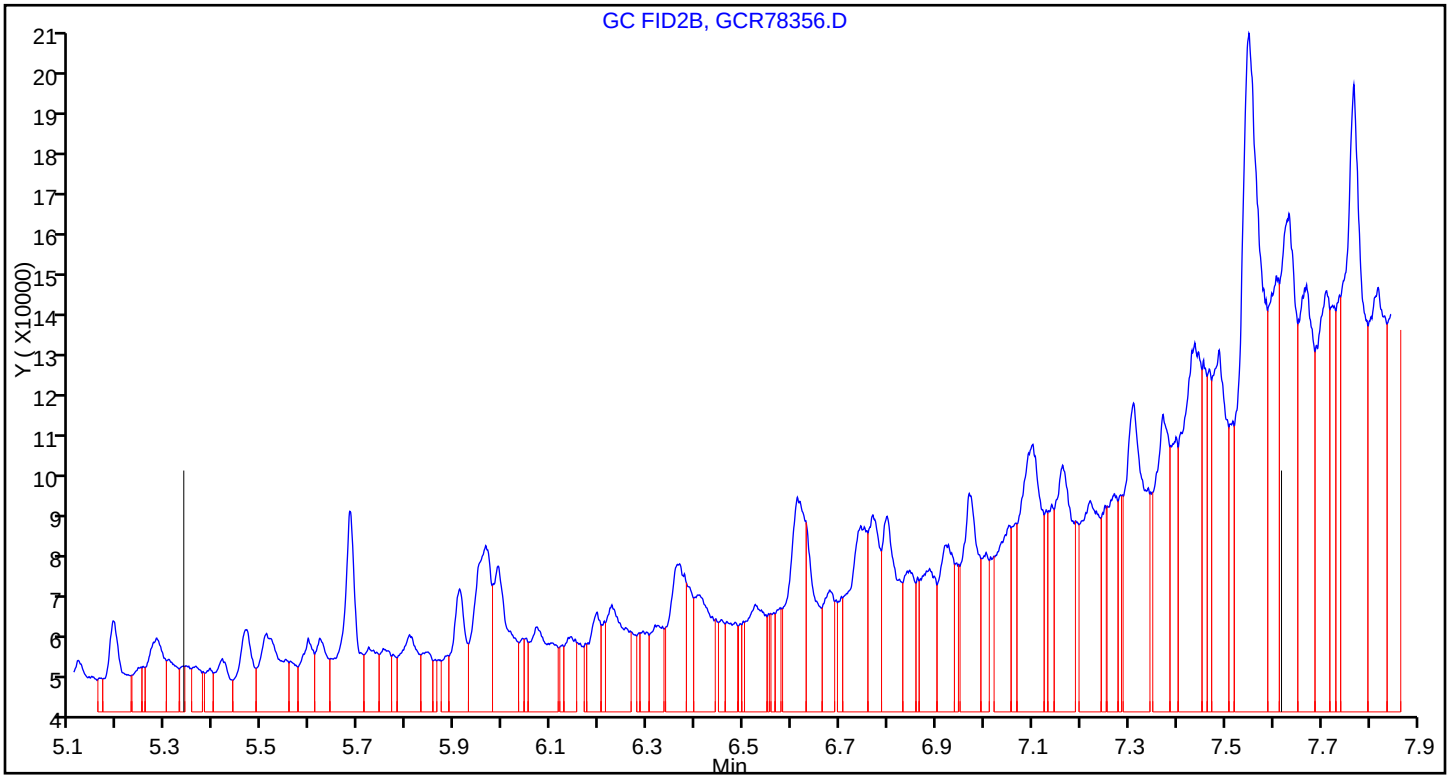


Report Date: 31-Jul-2013 08:04:12 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



Manual Integration/User Assign Peak Report

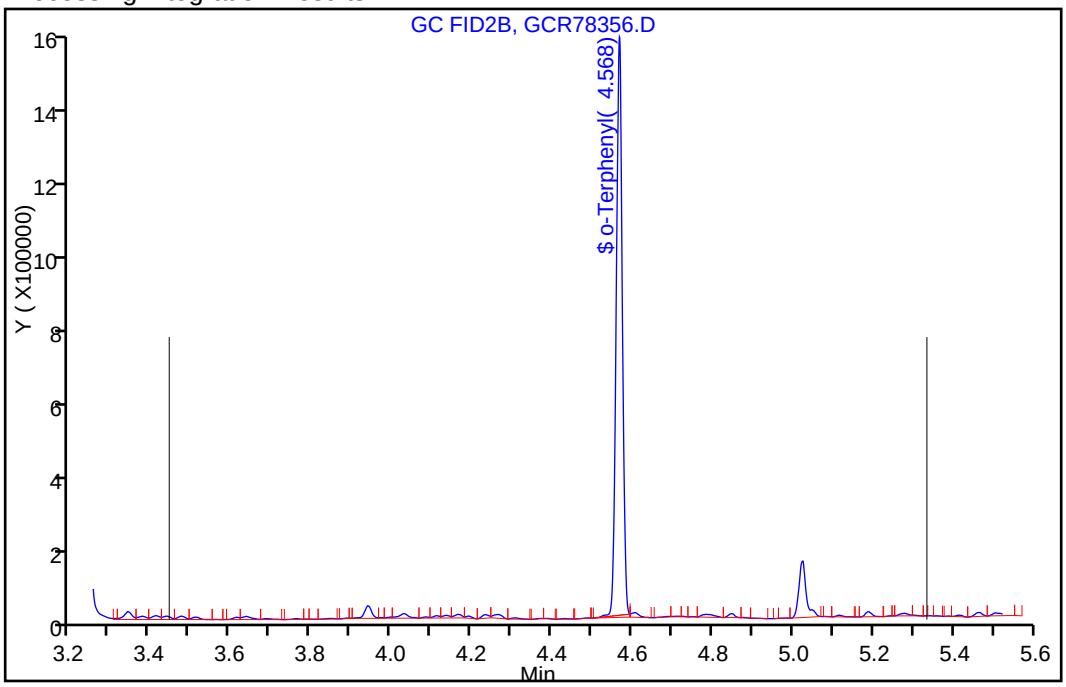
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Signal: 1, Type: quant, RT: 4.39

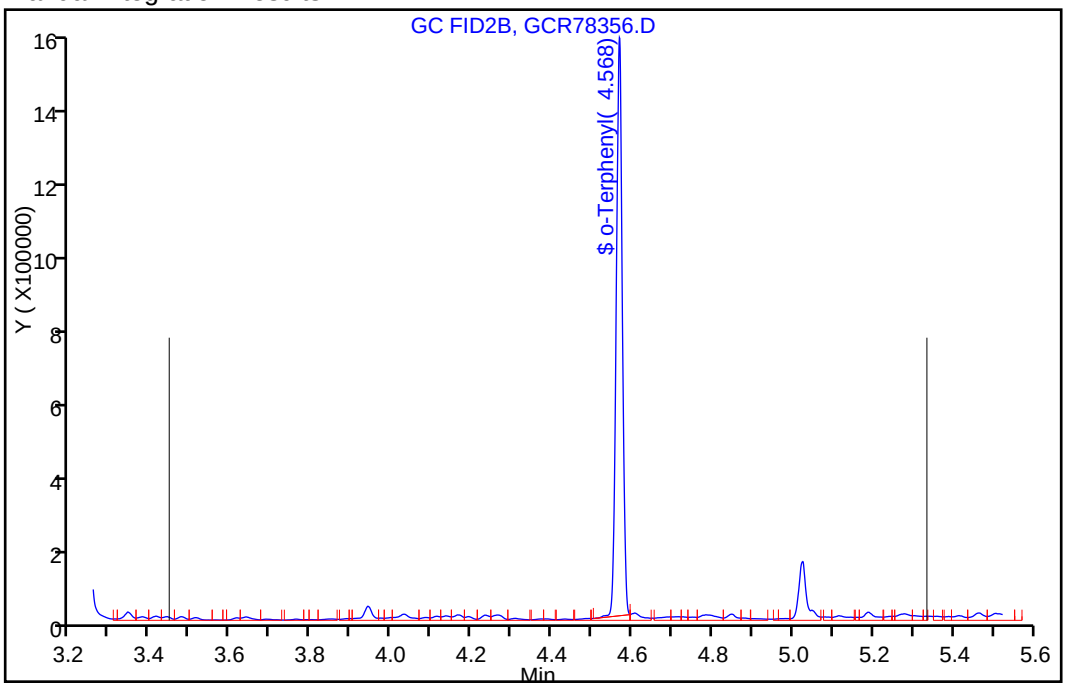
Processing Integration Results

RT: 4.39
Response: 486554
Amount: 12.500747



Manual Integration Results

RT: 4.39
Response: 963025
Amount: 24.742437



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

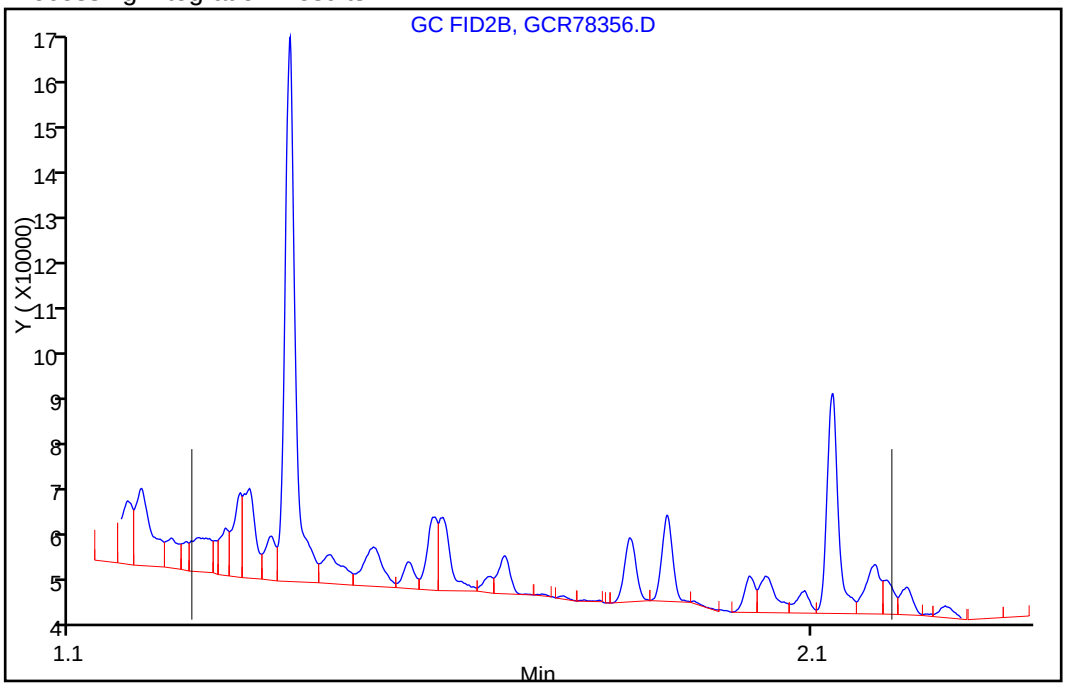
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Signal: 1, Type: quant, RT: 1.74

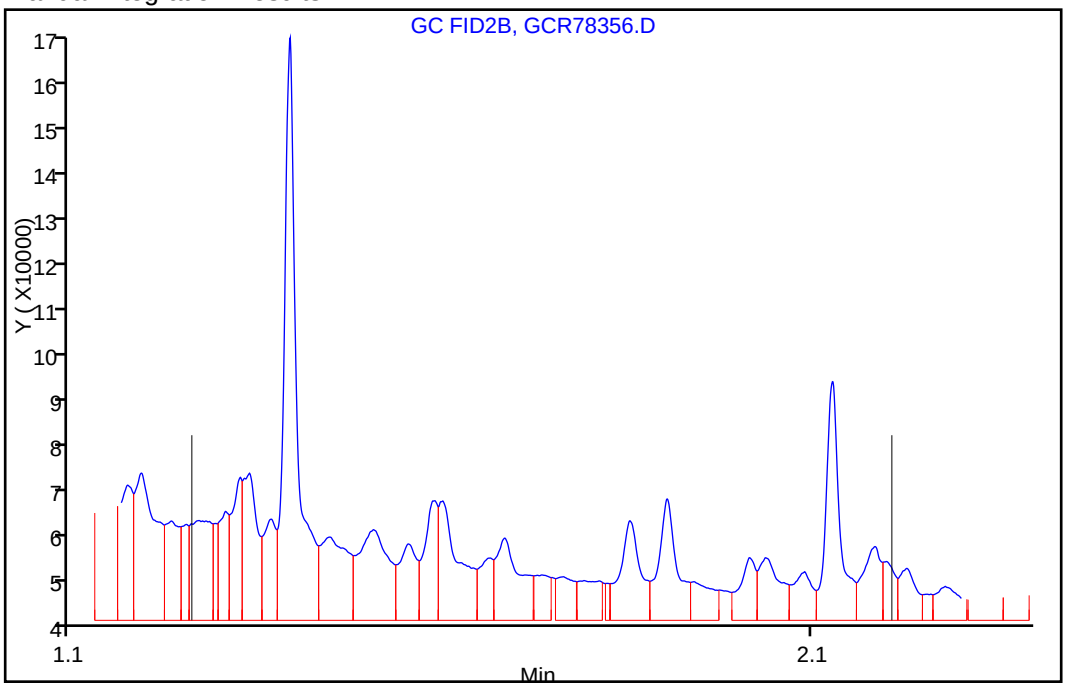
Processing Integration Results

RT: 1.74
Response: 378688
Amount: 10.002935



Manual Integration Results

RT: 1.74
Response: 888554
Amount: 23.470900



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

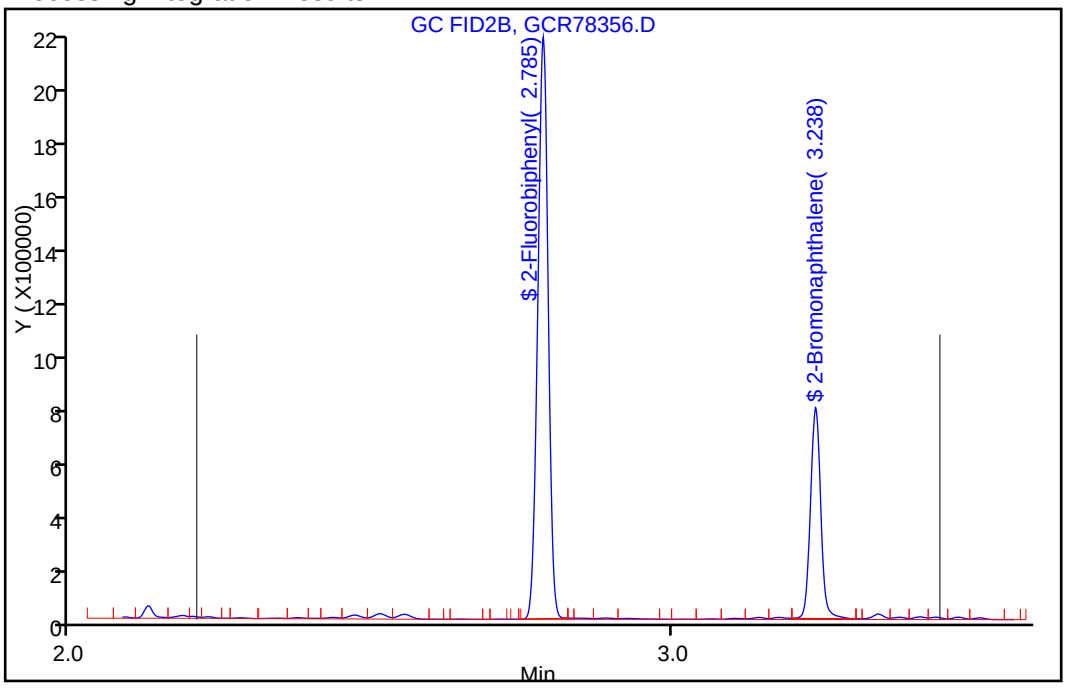
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Signal: 1, Type: quant, RT: 2.83

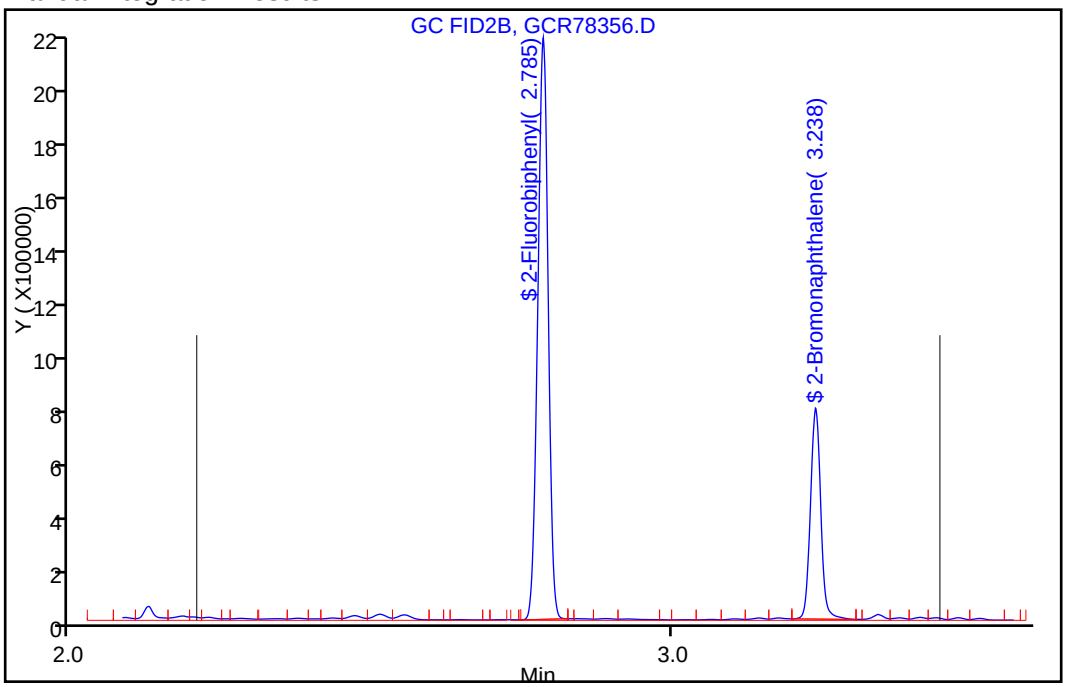
Processing Integration Results

RT: 2.83
Response: 267680
Amount: 6.898849



Manual Integration Results

RT: 2.83
Response: 431861
Amount: 11.130245



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

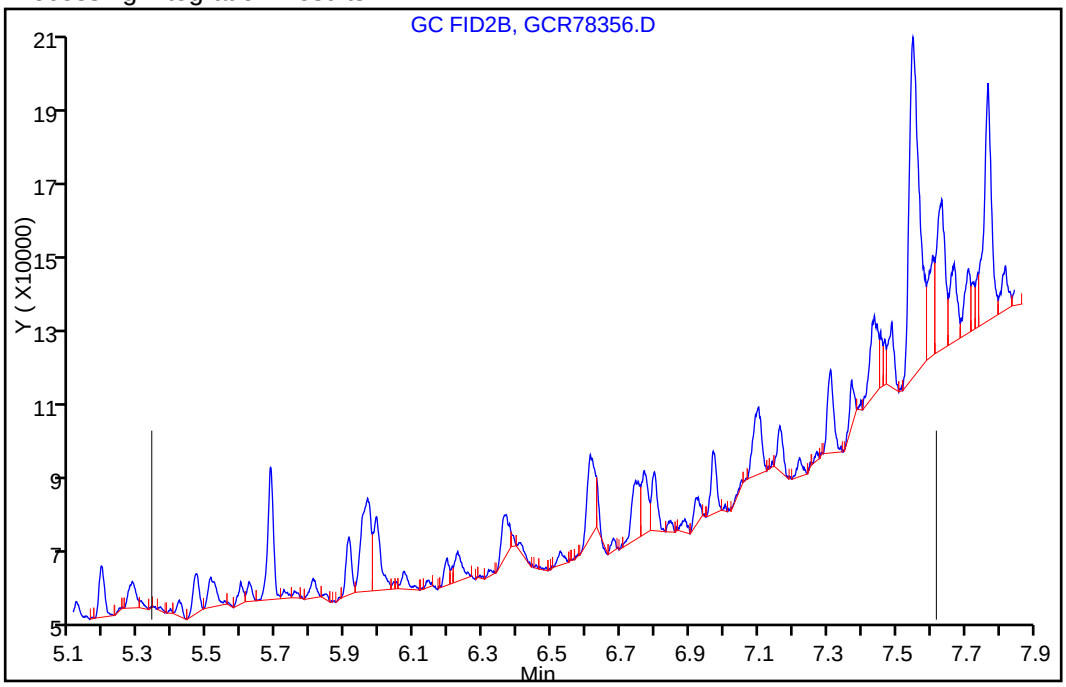
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78356.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Signal: 1, Type: quant, RT: 6.48

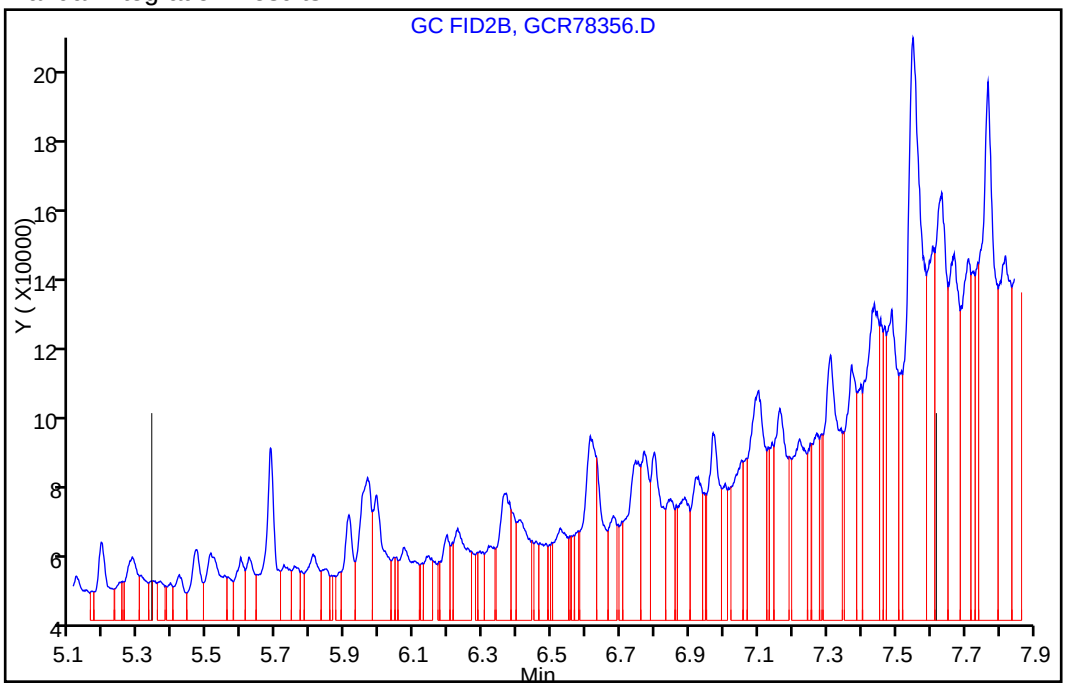
Processing Integration Results

RT: 6.48
Response: 746593
Amount: 20.858368



Manual Integration Results

RT: 6.48
Response: 4378329
Amount: 122.3221



Reviewer: kimh, 31-Jul-2013 08:02:36
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

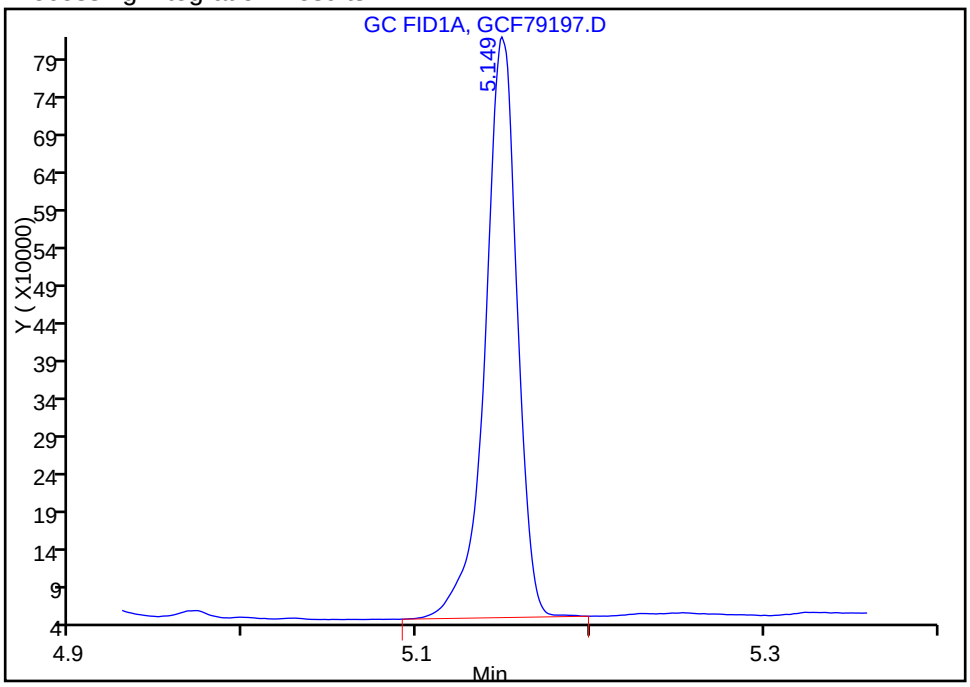
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79197.D		
Injection Date:	30-Jul-2013 19:26:37	Limit Group:	GC NJEPH ICAL
Client ID:	TS003 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	24
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

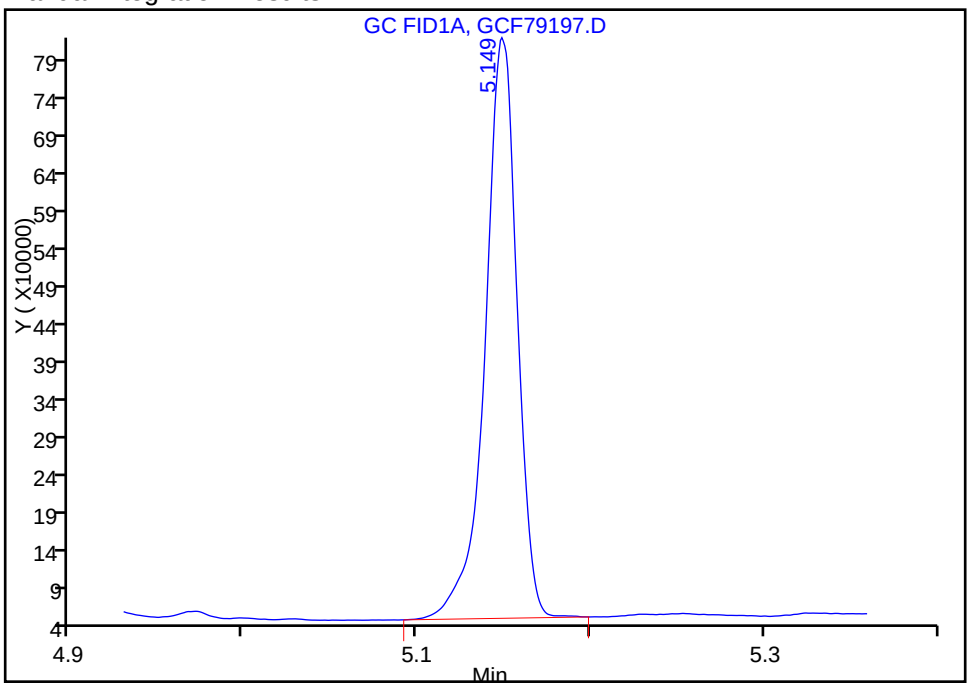
Processing Integration Results

RT: 5.15
Response: 986831
Amount: 45.270658



Manual Integration Results

RT: 5.15
Response: 986784
Amount: 45.268502



Reviewer: kimh, 31-Jul-2013 08:05:02
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS004 (072413) | Lab Sample ID: 200-17642-3

Matrix: Solid | Lab File ID: GCR78357.D

Analysis Method: NJDEP EPH | Date Collected: 07/24/2013 14:30

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.03(g) | Date Analyzed: 07/30/2013 19:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: 14.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	5.5		2.3	2.3
STL00011	C10-C12 Aromatics	3.1		2.3	2.3
STL00266	C12-C16 Aromatics	2.3	U	2.3	2.3
STL01060	C21-C36 Aromatic	24		2.3	2.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	89		40-140
321-60-8	2-Fluorobiphenyl	81		40-140
580-13-2	2-Bromonaphthalene	44		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Lims ID:	200-17642-J-3-A	Client ID:	TS004 (072413)
Inject. Date:	30-Jul-2013 19:40:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002936-025		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	173419	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:13	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		
First Level Reviewer: kimh		Date:	31-Jul-2013 08:05:17

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		786612	33.3	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		3183389	124.5	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		1516016	52.4	
$ 6 o-Terphenyl		4.703				
$ 7 1-Chlorooctadecane	5.148	5.162	-0.014	1051105	48.2	M
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		8528631	356.0	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Lims ID:	200-17642-J-3-A	Client ID:	TS004 (072413)
Inject. Date:	30-Jul-2013 19:40:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002929-025		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	78
Lims Batch ID:	173375	Lims Sample ID:	25
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:03:34	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:02:52

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A	2 C10-C12 Aromatics					M
	1.736	1.263 - 2.209		756097	20.0	M
$	3 2-Fluorobiphenyl					
	2.786	2.786	0.0	2567232	40.3	
A	4 C12-C16 Aromatics					M
	2.827	2.209 - 3.445		424453	10.9	M
$	5 2-Bromonaphthalene					
	3.239	3.242	-0.003	916133	22.2	
A	7 C16-C21 Aromatics					M
	4.390	3.445 - 5.335		1369823	35.2	M
$	8 o-Terphenyl					
	4.567	4.568	-0.001	1594961	44.7	
A	10 C21-C36 Aromatic					M
	6.477	5.335 - 7.618		5570566	155.6	M

QC Flag Legend

Review Flags
M - Manually Integrated

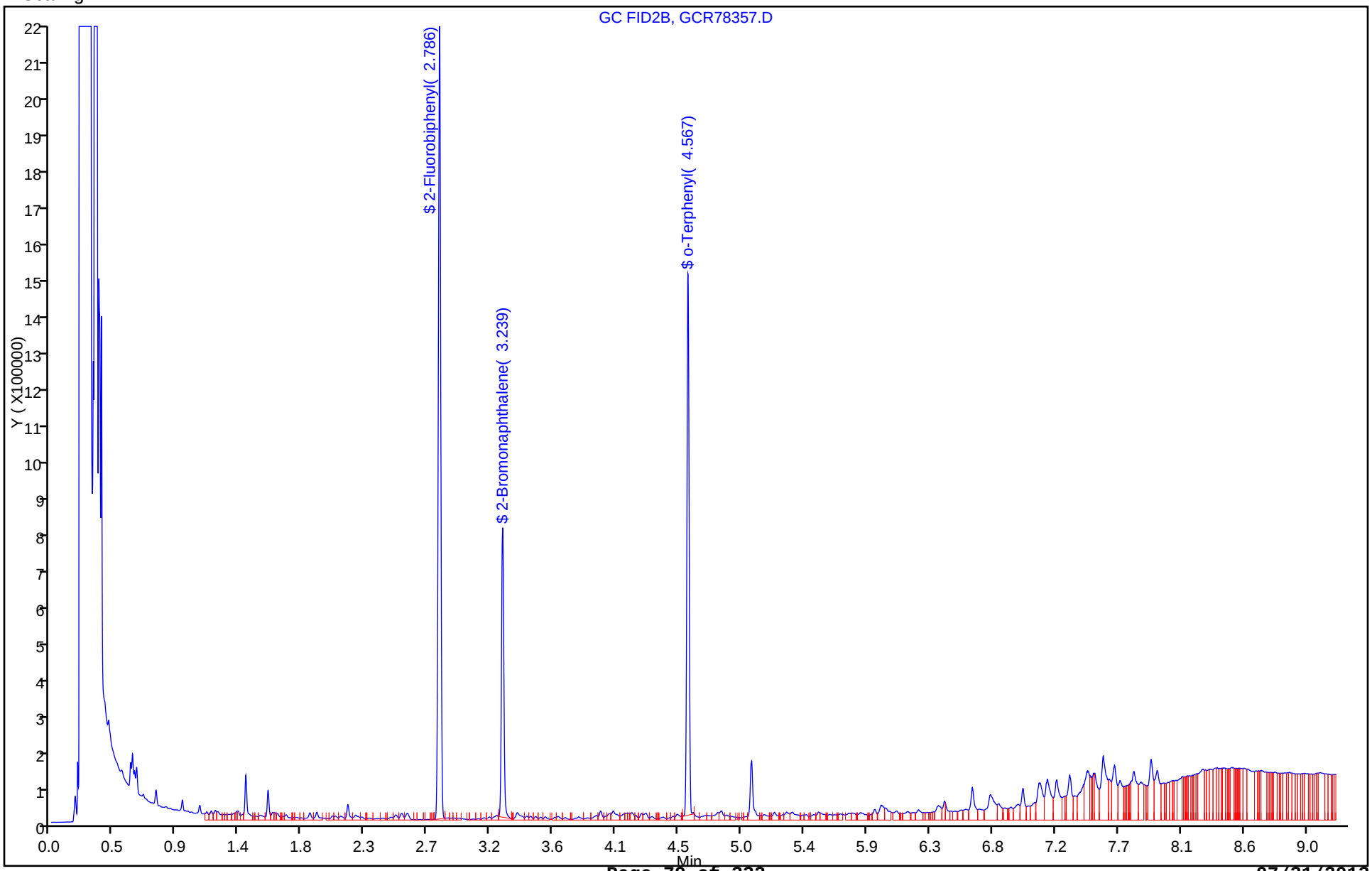
Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D

Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



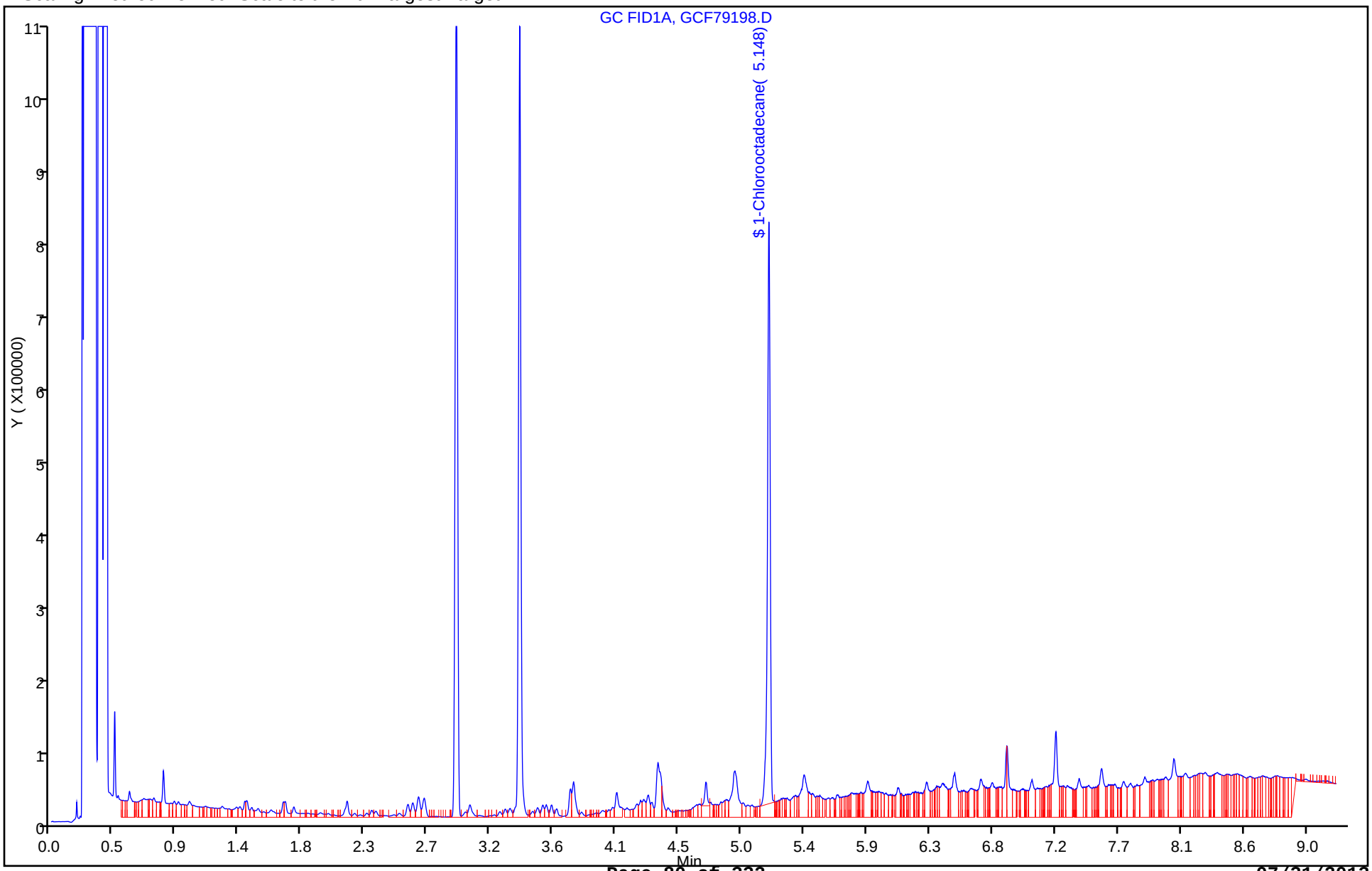
Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D

Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

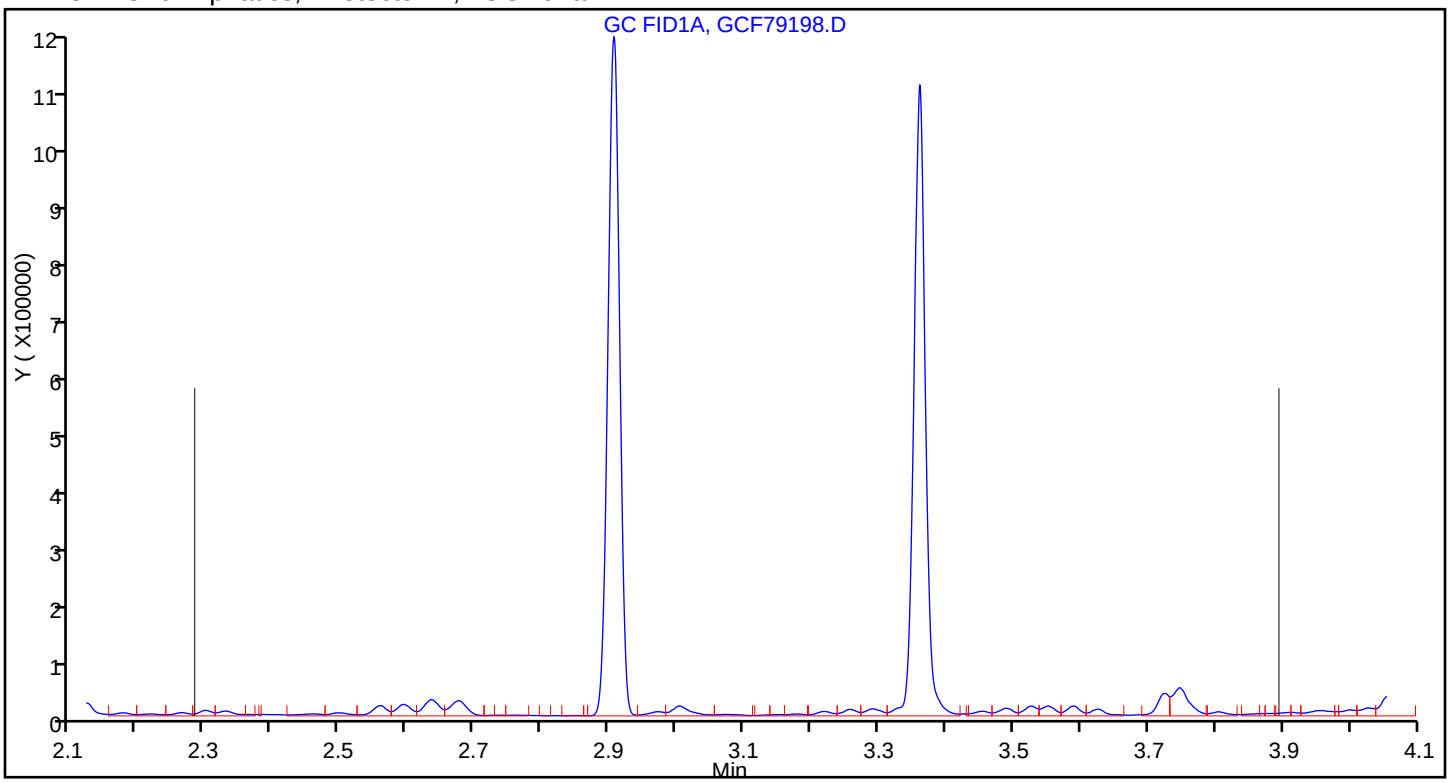


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

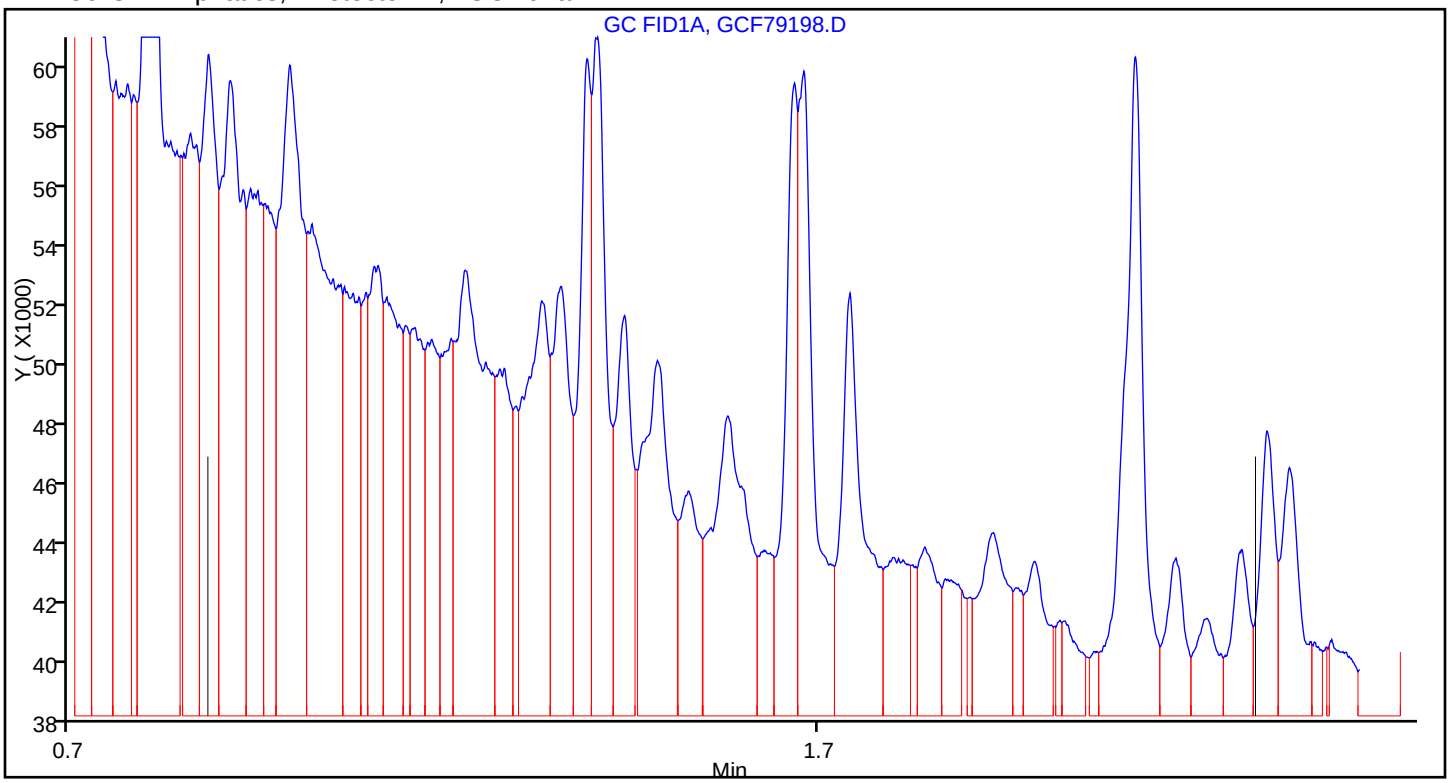


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a

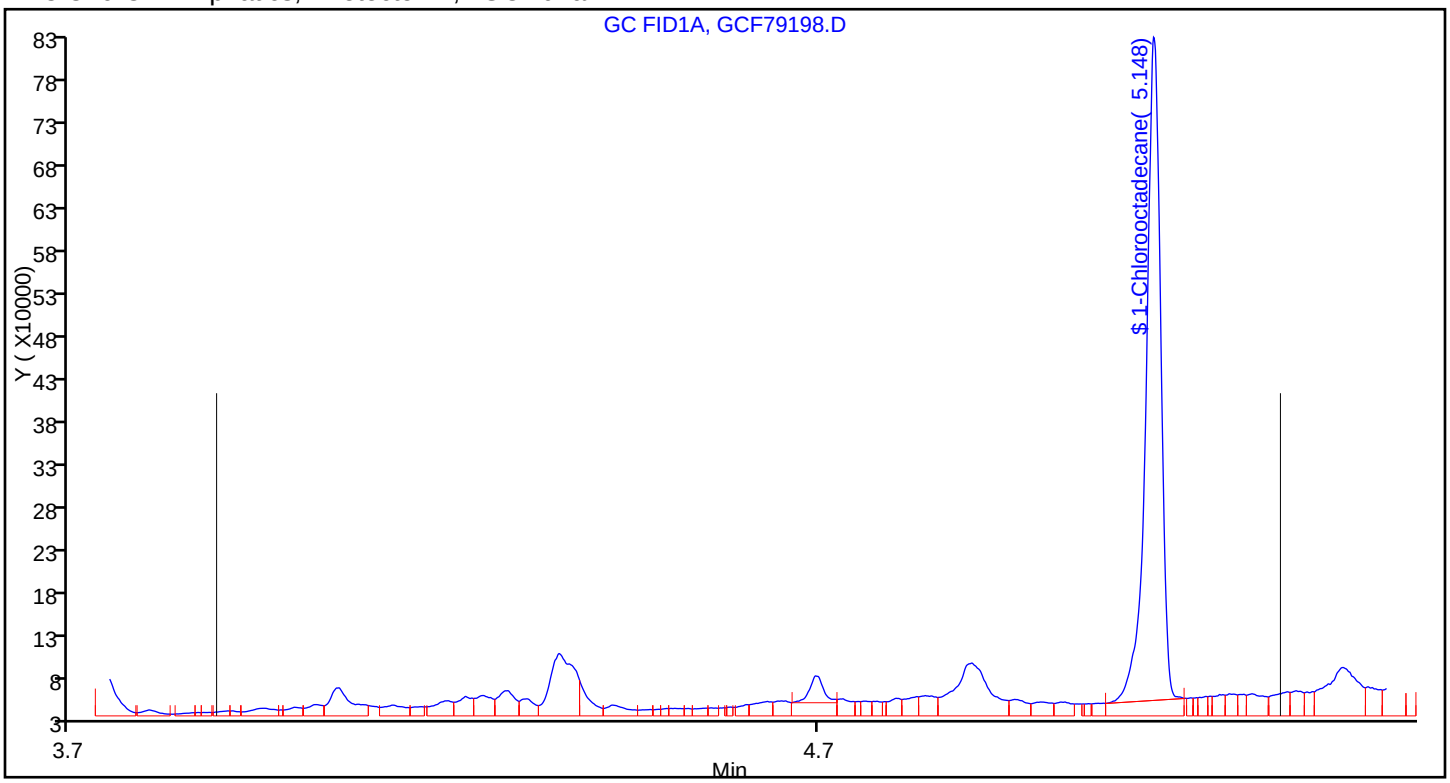


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a

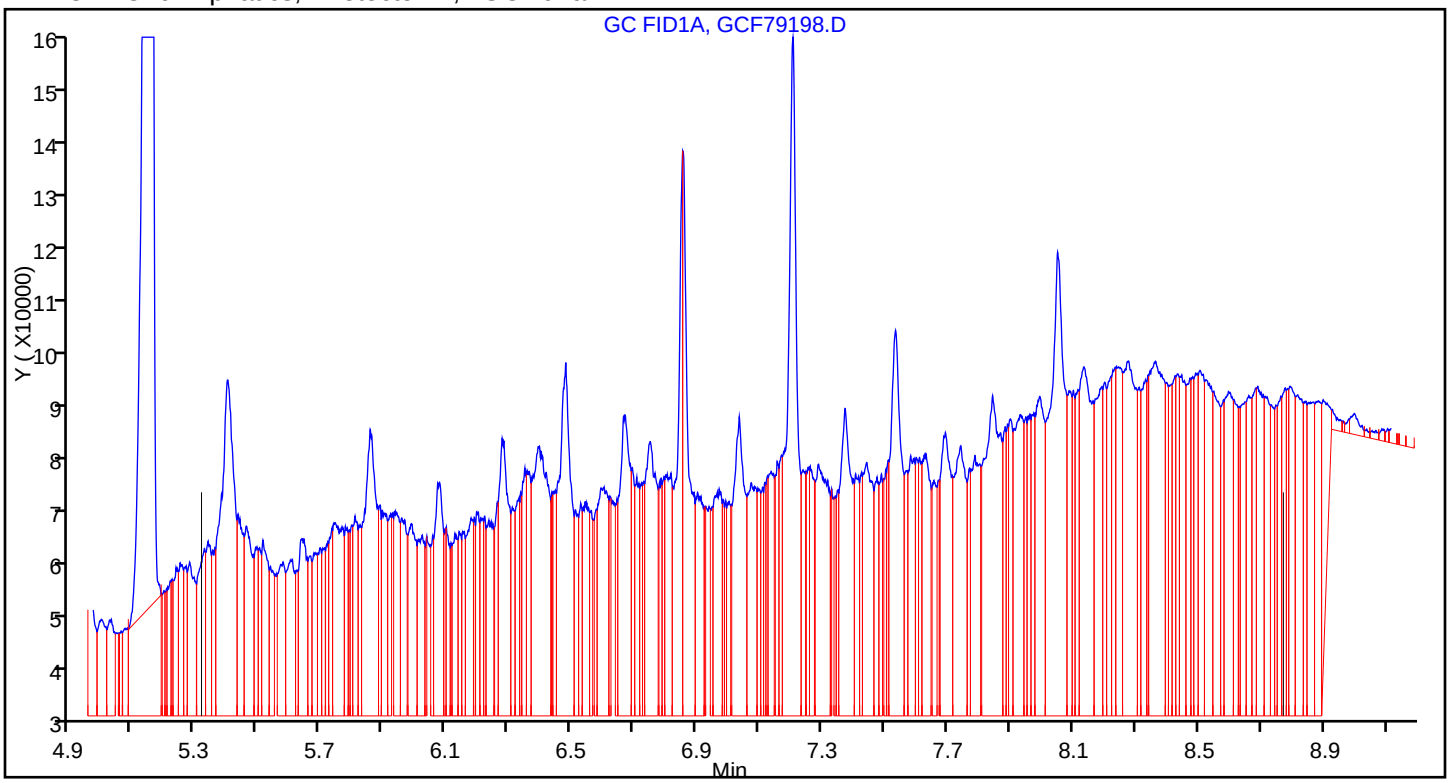


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a

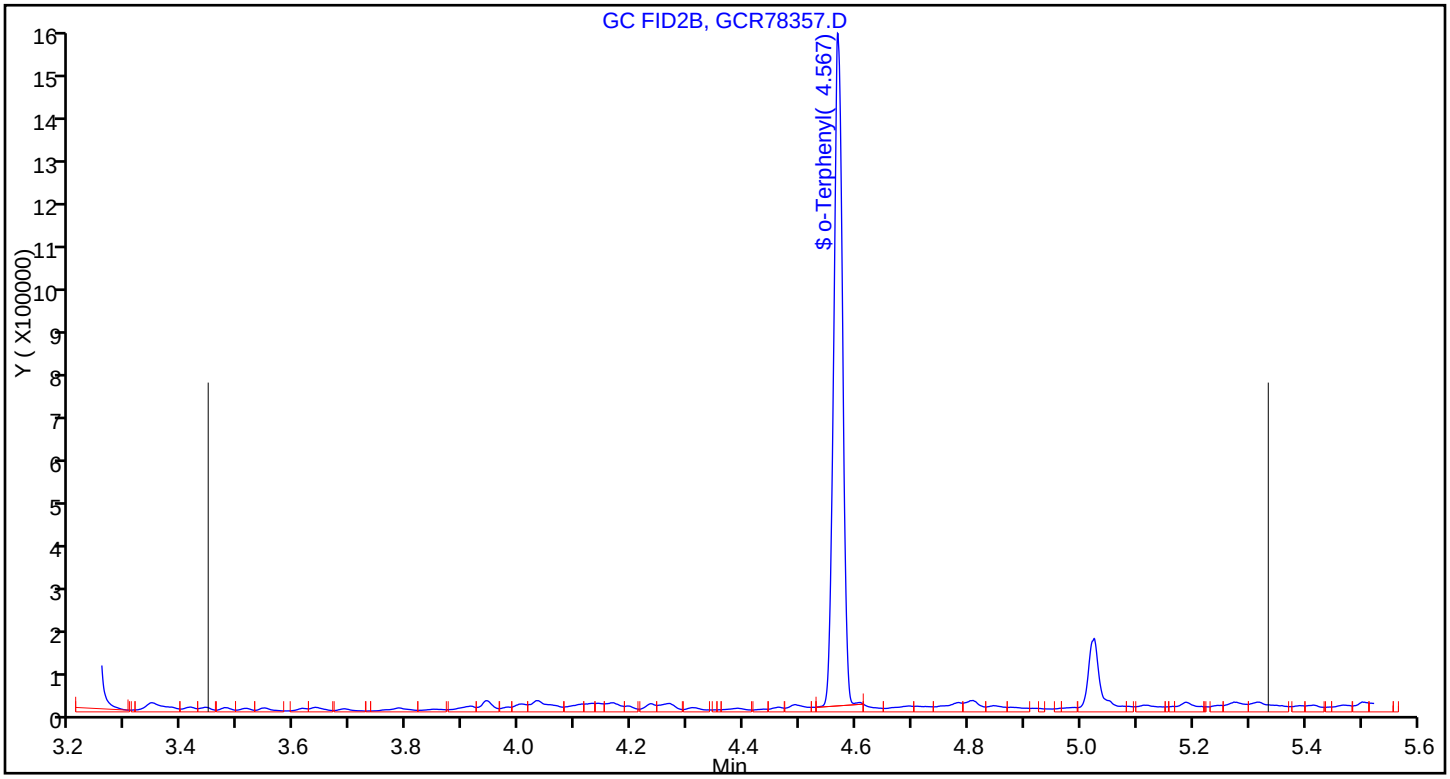


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

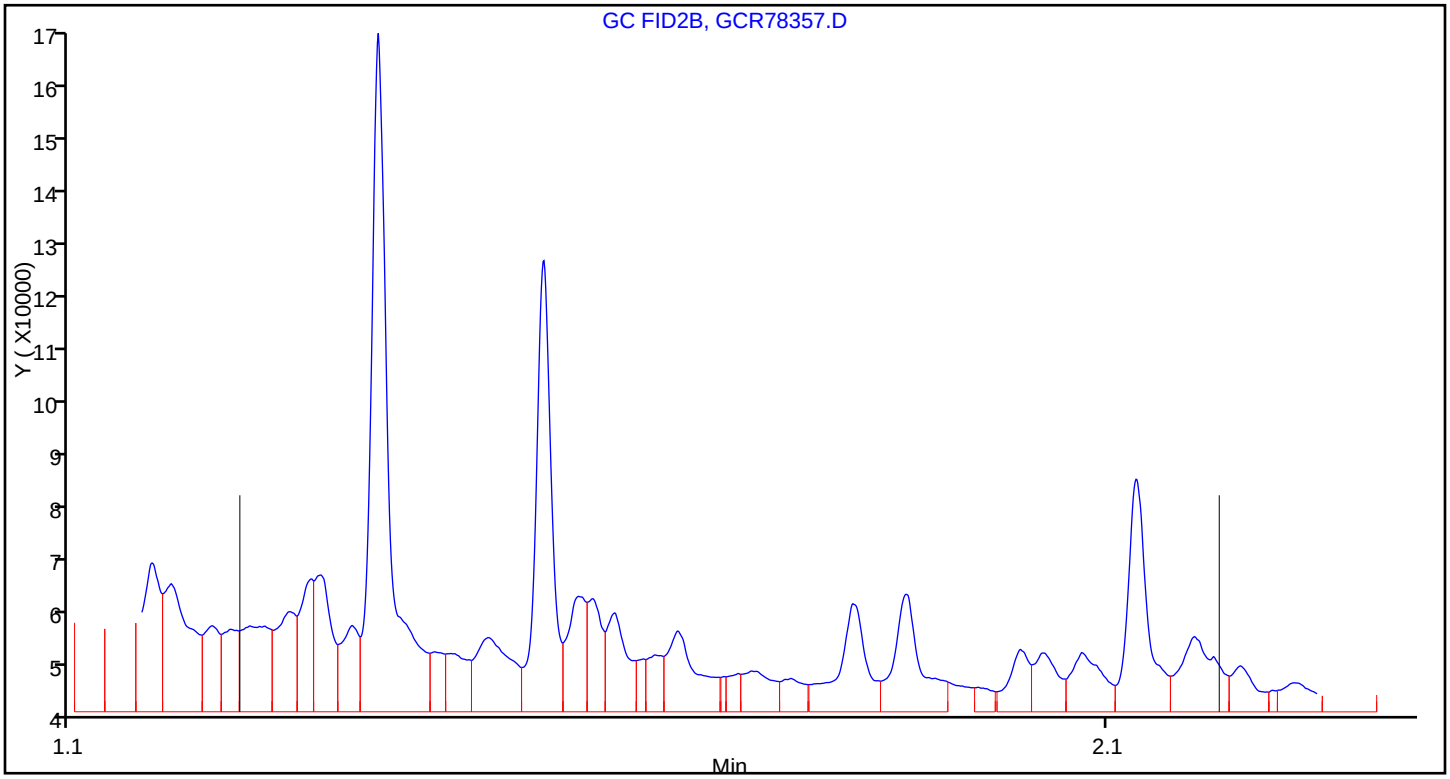


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

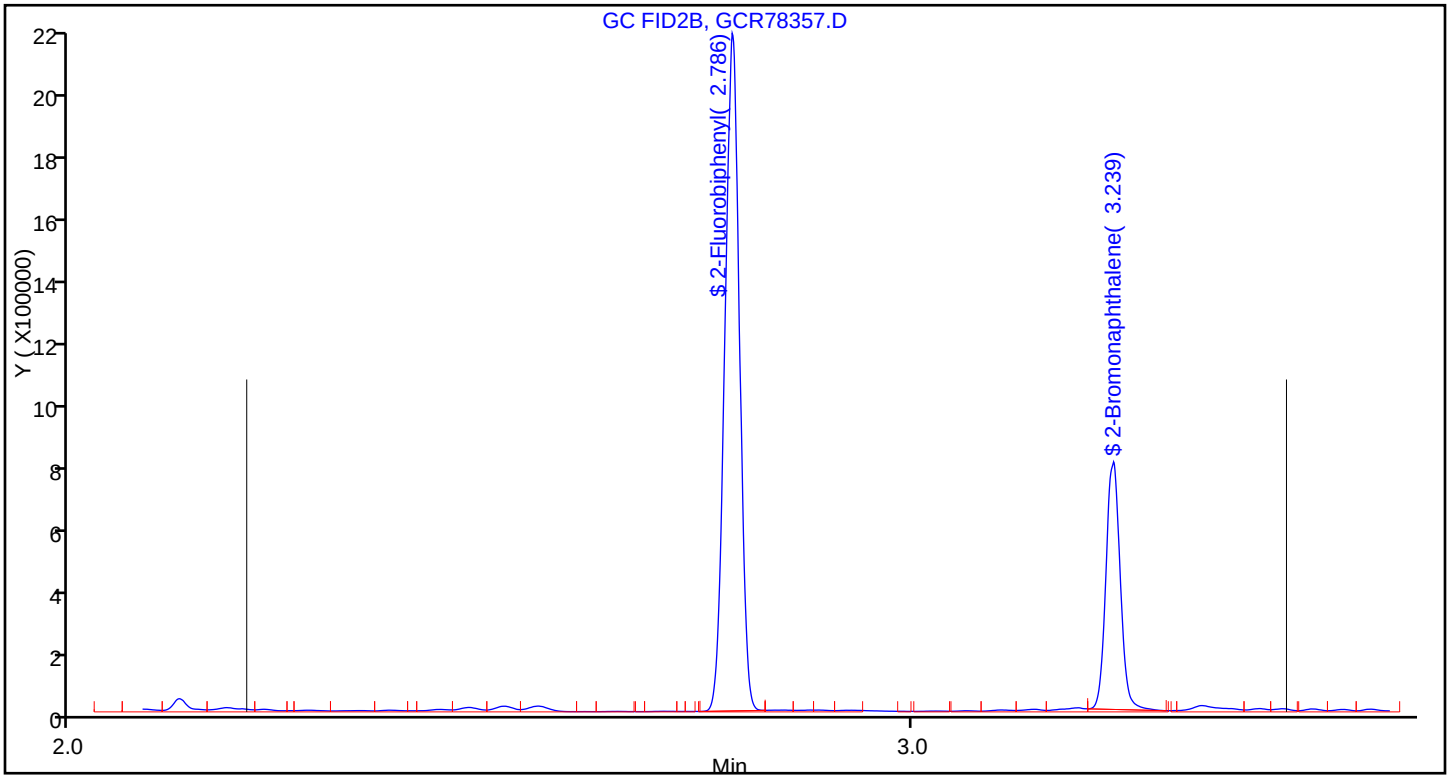


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

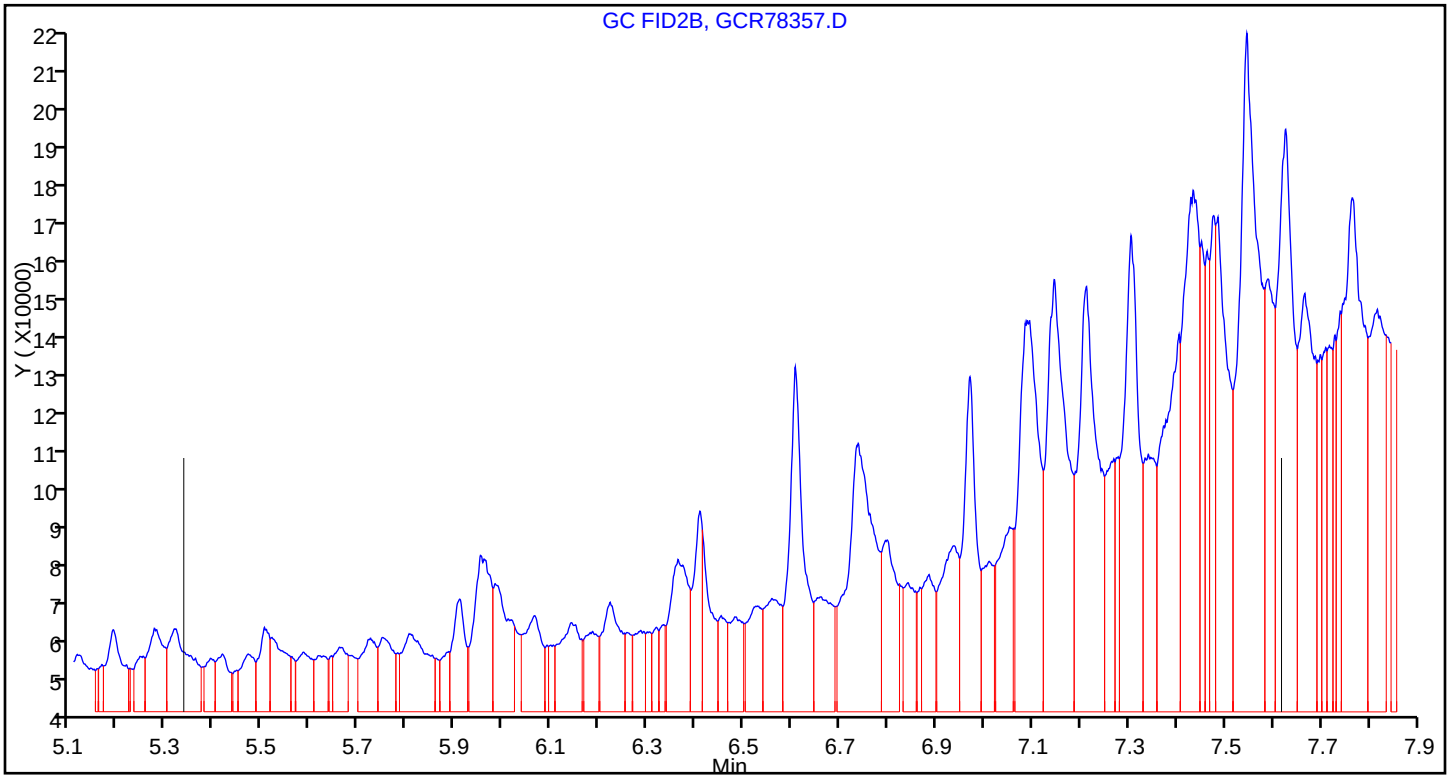


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



Manual Integration/User Assign Peak Report

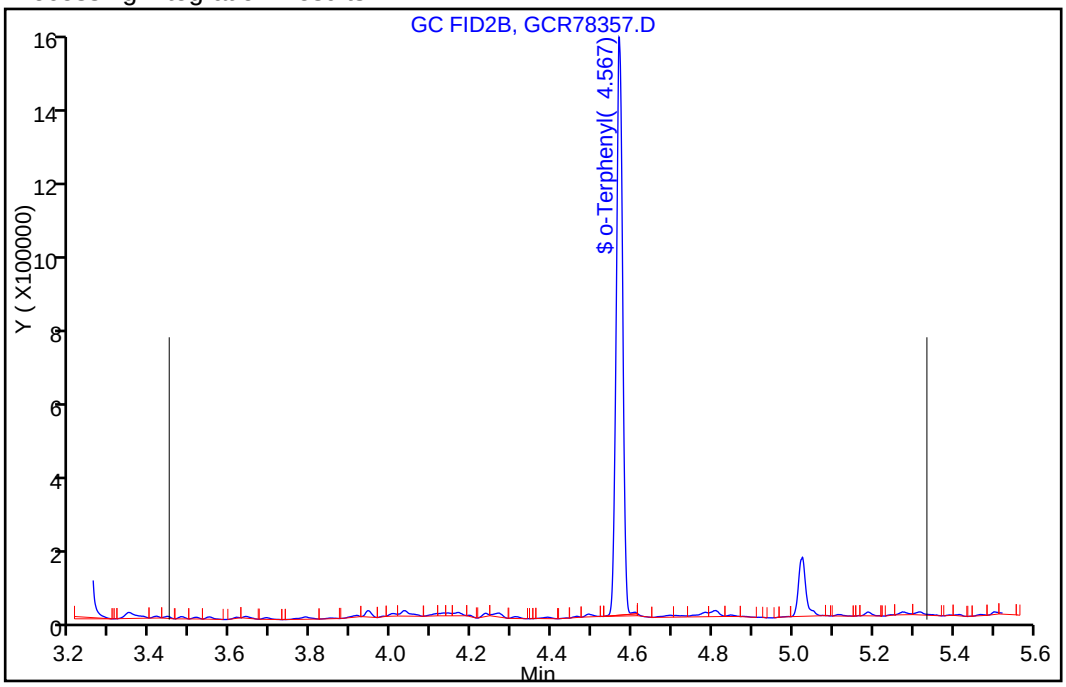
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Signal: 1, Type: quant, RT: 4.39

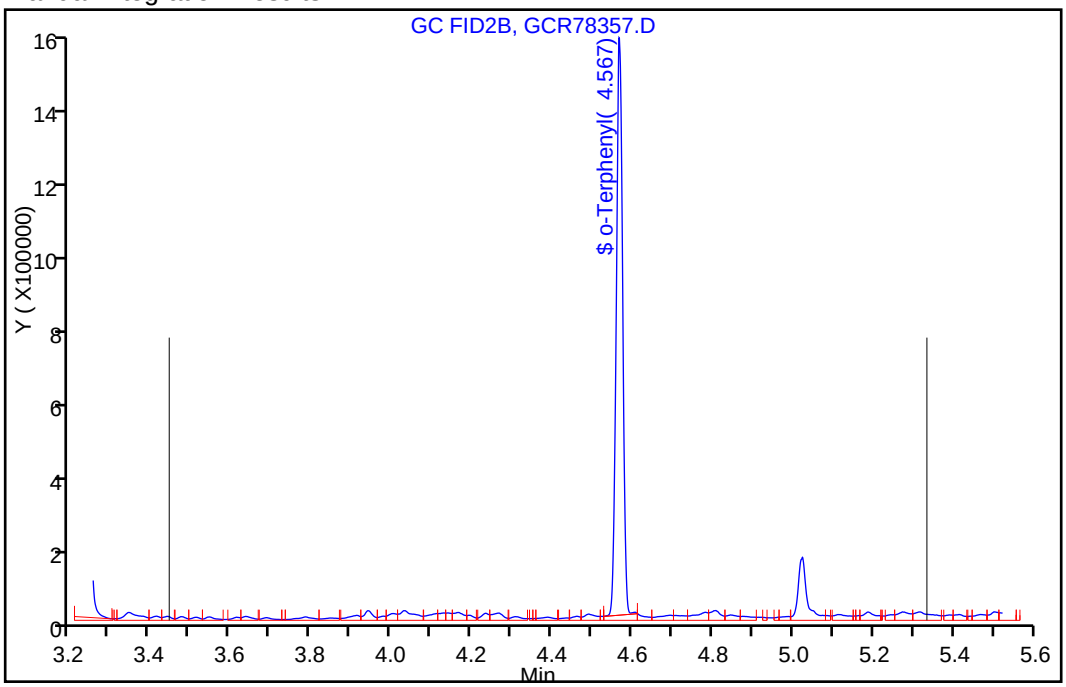
Processing Integration Results

RT: 4.39
Response: 491943
Amount: 12.639203



Manual Integration Results

RT: 4.39
Response: 1369823
Amount: 35.194059



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

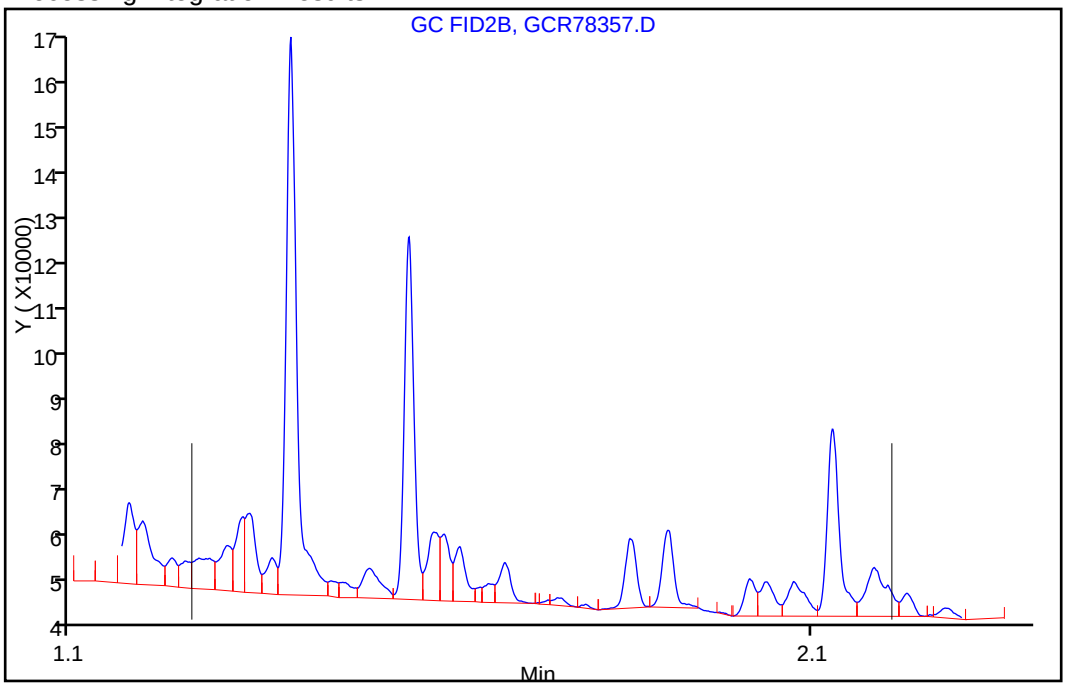
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Signal: 1, Type: quant, RT: 1.74

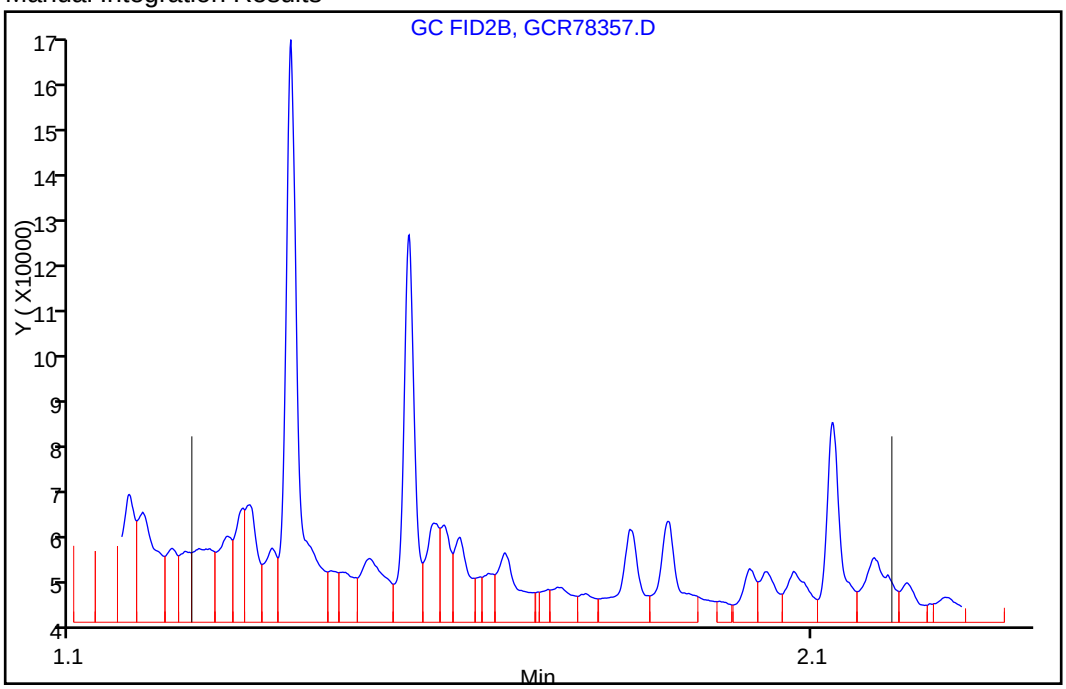
Processing Integration Results

RT: 1.74
Response: 432360
Amount: 11.420666



Manual Integration Results

RT: 1.74
Response: 756097
Amount: 19.972087



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

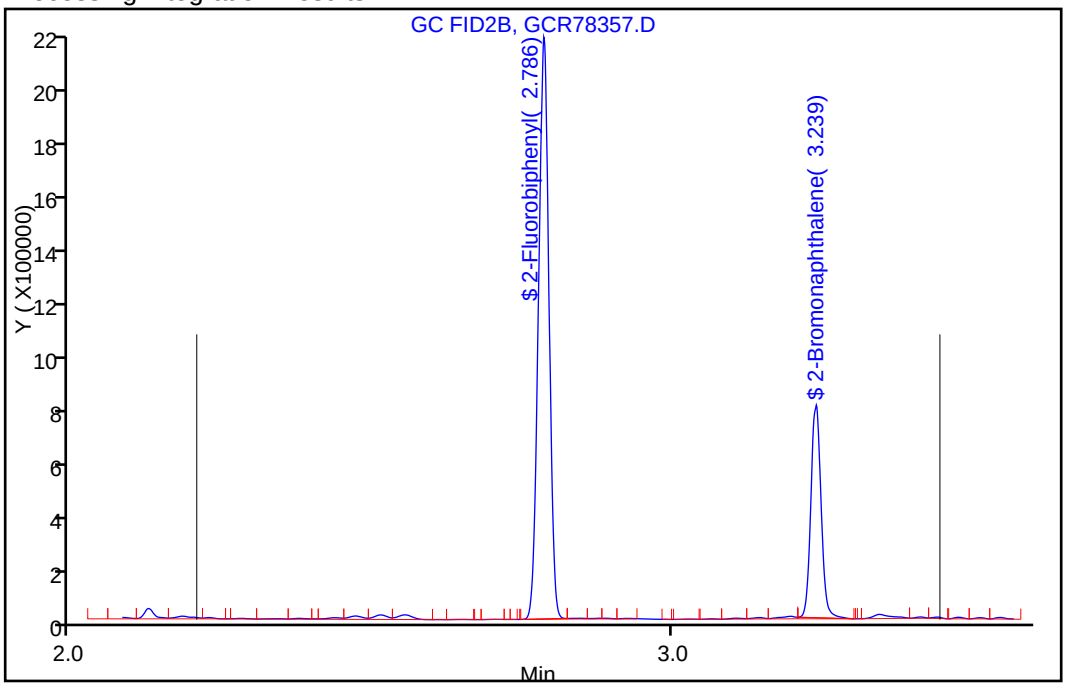
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Signal: 1, Type: quant, RT: 2.83

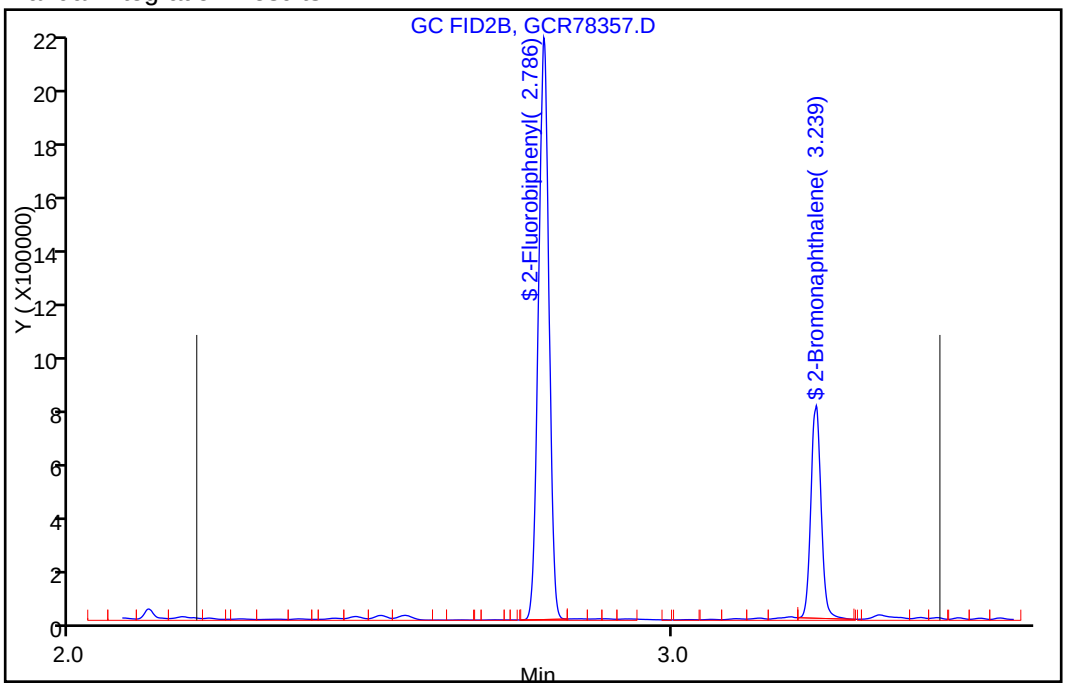
Processing Integration Results

RT: 2.83
Response: 206813
Amount: 5.330139



Manual Integration Results

RT: 2.83
Response: 424453
Amount: 10.939320



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

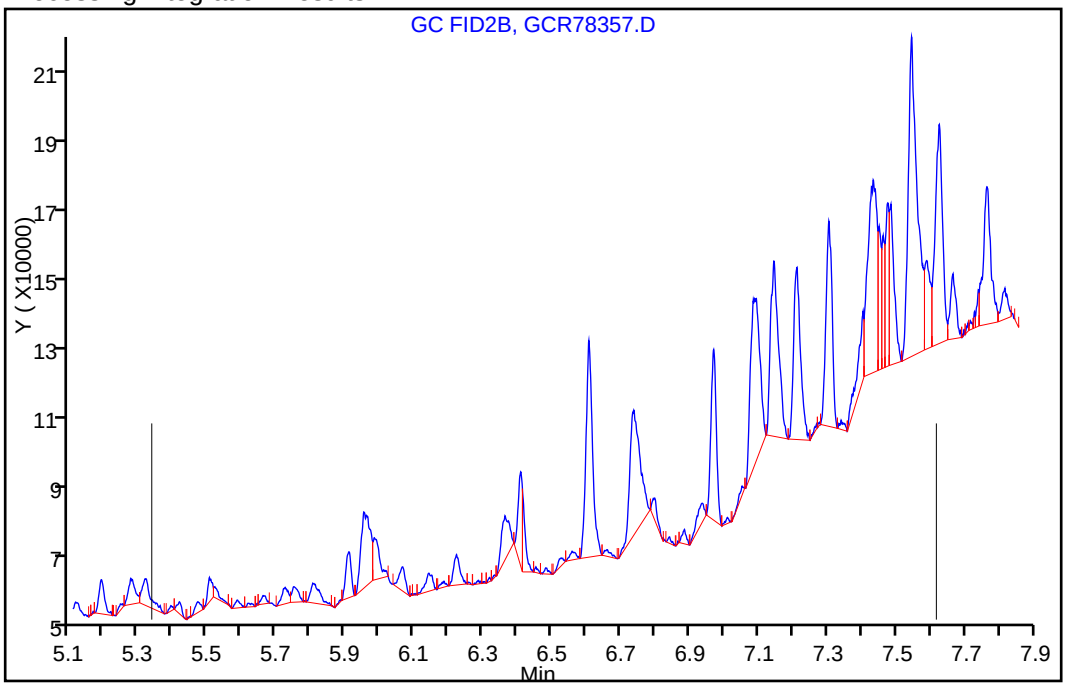
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Signal: 1, Type: quant, RT: 6.48

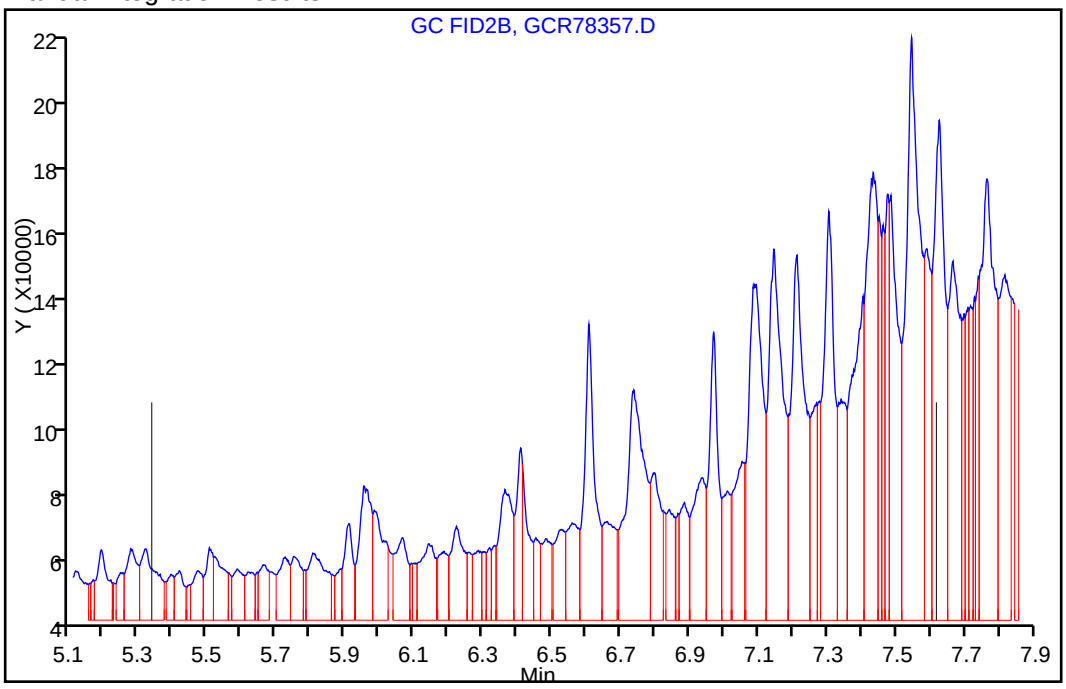
Processing Integration Results

RT: 6.48
Response: 1182523
Amount: 33.037411



Manual Integration Results

RT: 6.48
Response: 5570566
Amount: 155.6309



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

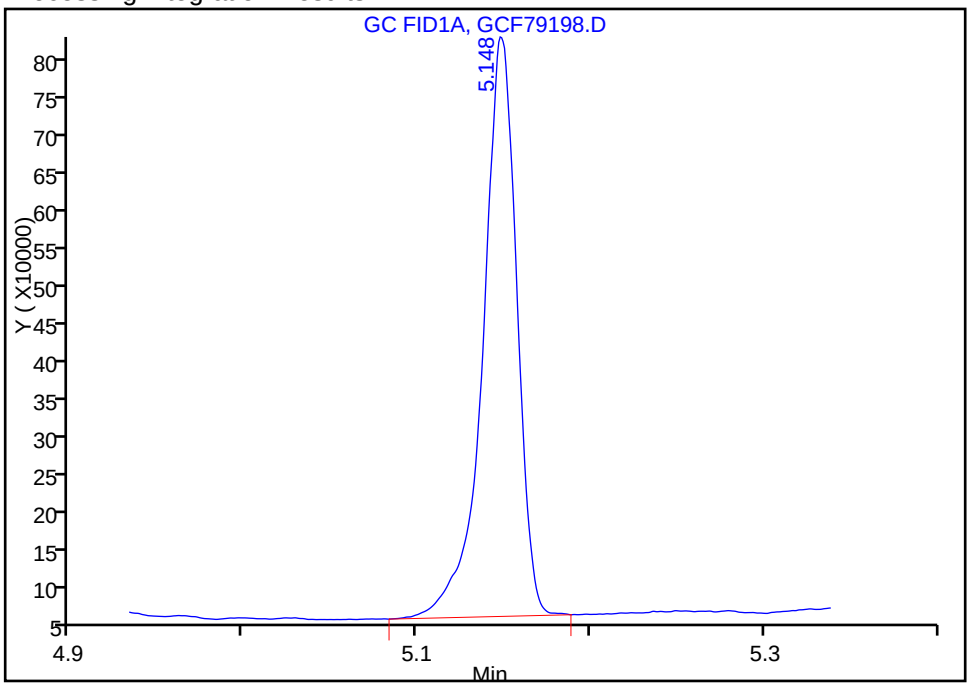
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

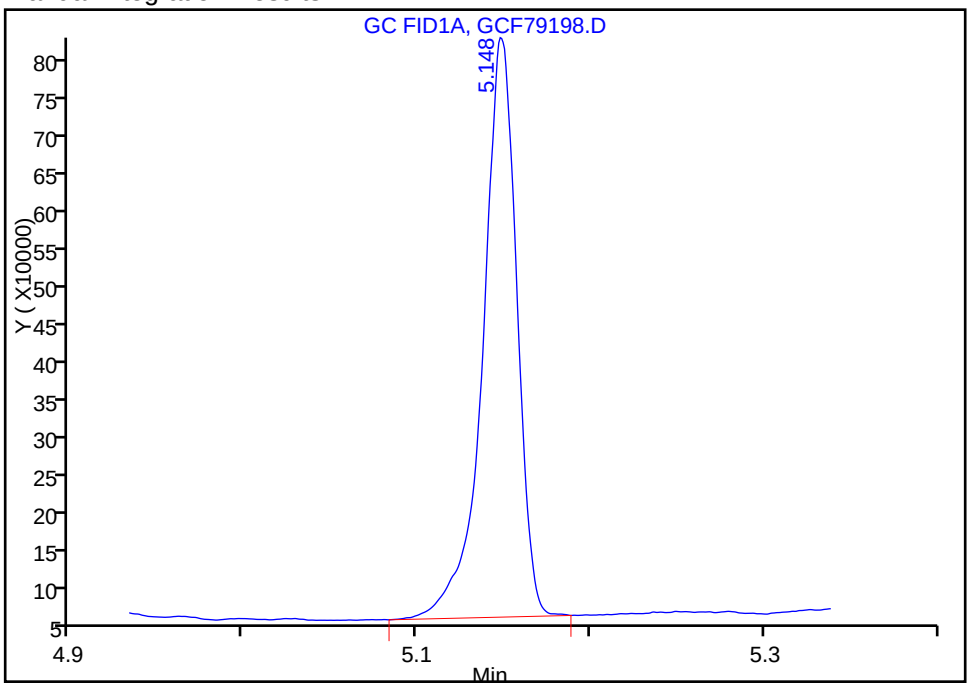
Processing Integration Results

RT: 5.15
Response: 1051105
Amount: 48.219214



Manual Integration Results

RT: 5.15
Response: 1051105
Amount: 48.219214



Reviewer: kimh, 31-Jul-2013 08:05:17
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS004 (072413) Lab Sample ID: 200-17642-3

Matrix: Solid Lab File ID: GCF79198.D

Analysis Method: NJDEP EPH Date Collected: 07/24/2013 14:30

Extraction Method: 3546 Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.03(g) Date Analyzed: 07/30/2013 19:40

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: 14.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	19		2.3	2.3
STL00191	C9-C12 Aliphatics	5.2		2.3	2.3
STL00950	C16-C21 Aliphatics	8.1		2.3	2.3
STL01059	C21-C40 Aliphatics	55		2.3	2.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	96		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Lims ID:	200-17642-J-3-A	Client ID:	TS004 (072413)
Inject. Date:	30-Jul-2013 19:40:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002936-025		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	173419	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:13	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:05:17

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		786612	33.3	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		3183389	124.5	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		1516016	52.4	
$ 6 o-Terphenyl		4.703				
$ 7 1-Chlorooctadecane	5.148	5.162	-0.014	1051105	48.2	M
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		8528631	356.0	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Lims ID:	200-17642-J-3-A	Client ID:	TS004 (072413)
Inject. Date:	30-Jul-2013 19:40:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	460-0002929-025		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	78
Lims Batch ID:	173375	Lims Sample ID:	25
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:03:34	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		

First Level Reviewer: kimh Date: 31-Jul-2013 08:02:52

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A	2 C10-C12 Aromatics					M
	1.736	1.263 - 2.209		756097	20.0	M
$	3 2-Fluorobiphenyl					
	2.786	2.786	0.0	2567232	40.3	
A	4 C12-C16 Aromatics					M
	2.827	2.209 - 3.445		424453	10.9	M
$	5 2-Bromonaphthalene					
	3.239	3.242	-0.003	916133	22.2	
A	7 C16-C21 Aromatics					M
	4.390	3.445 - 5.335		1369823	35.2	M
$	8 o-Terphenyl					
	4.567	4.568	-0.001	1594961	44.7	
A	10 C21-C36 Aromatic					M
	6.477	5.335 - 7.618		5570566	155.6	M

QC Flag Legend

Review Flags
M - Manually Integrated

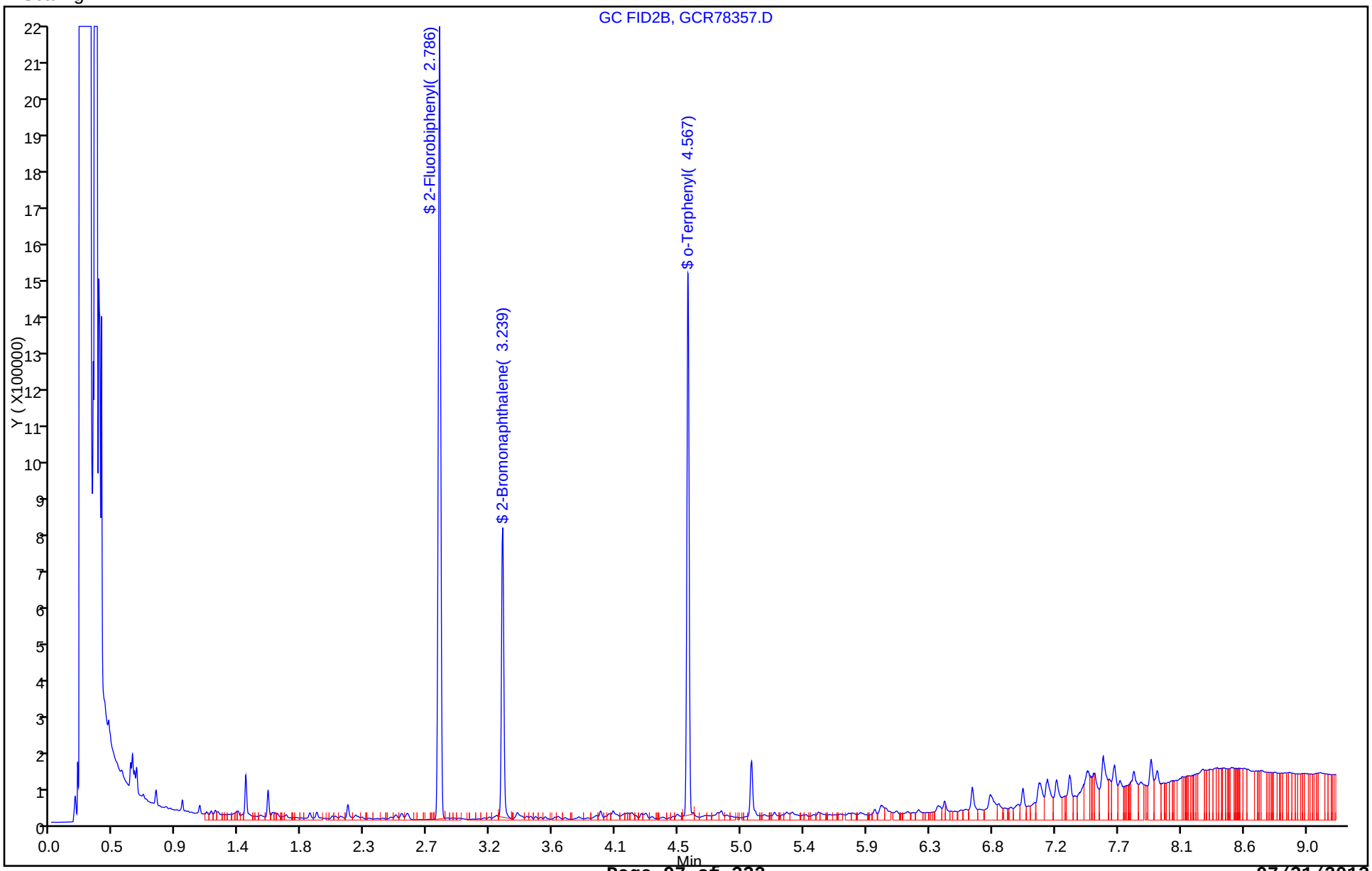
Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D

Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



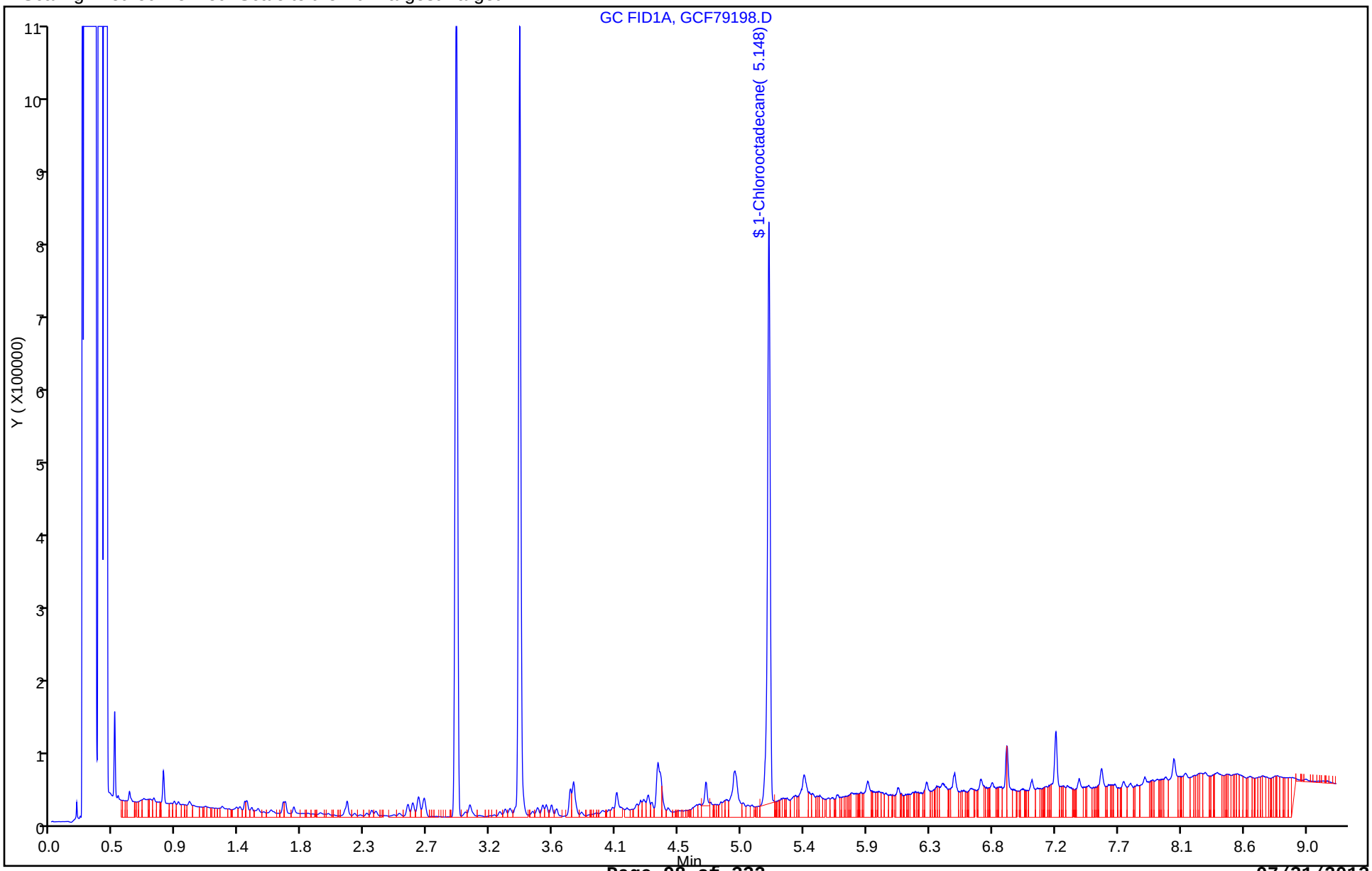
Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D

Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

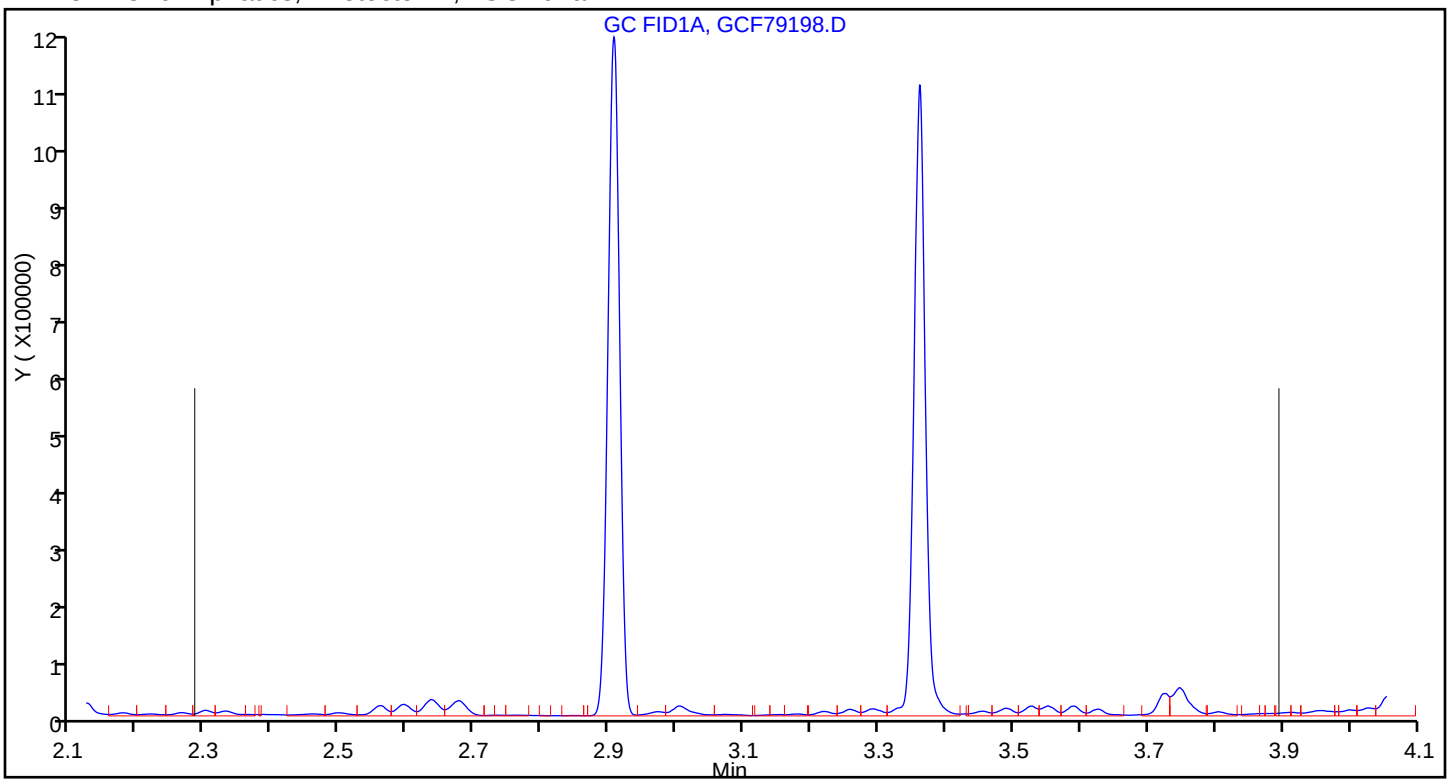


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

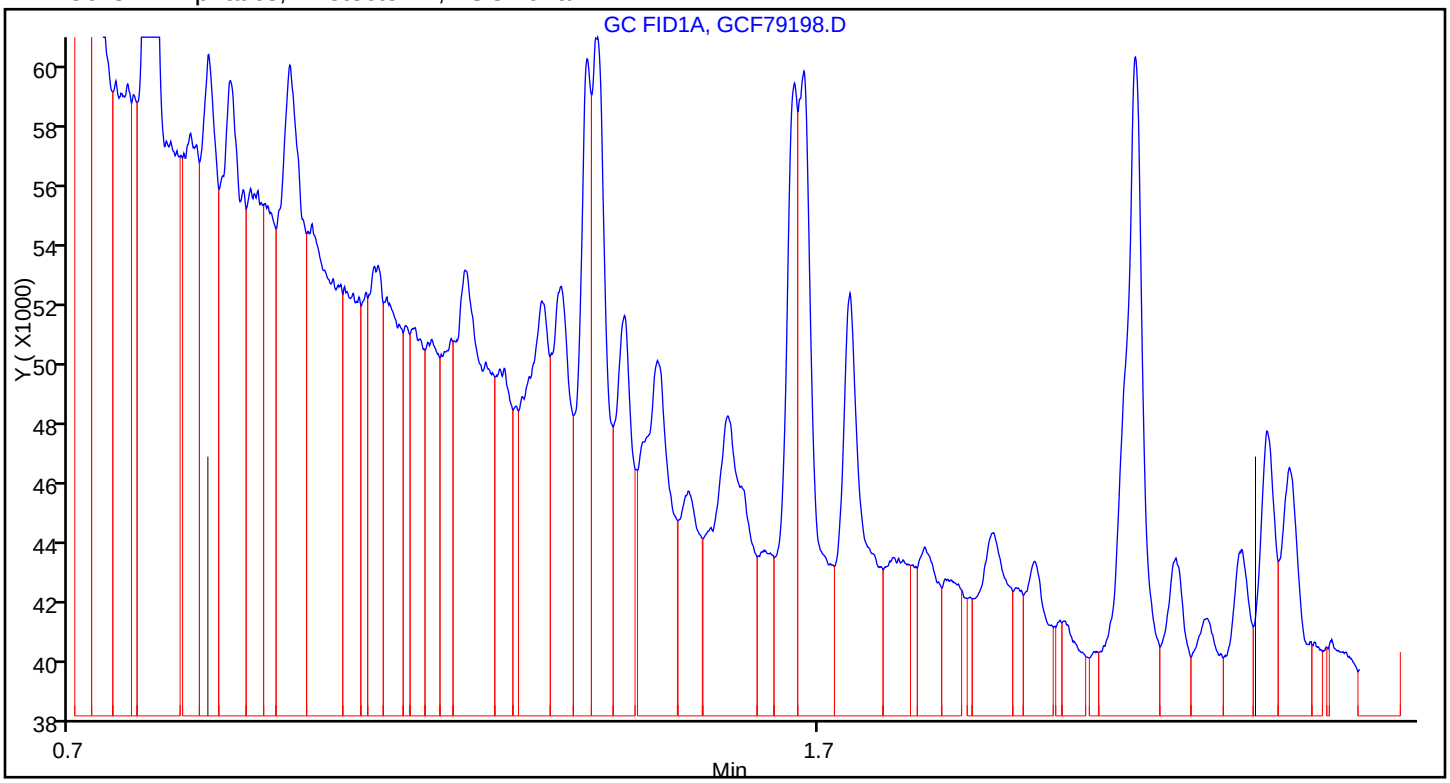


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a

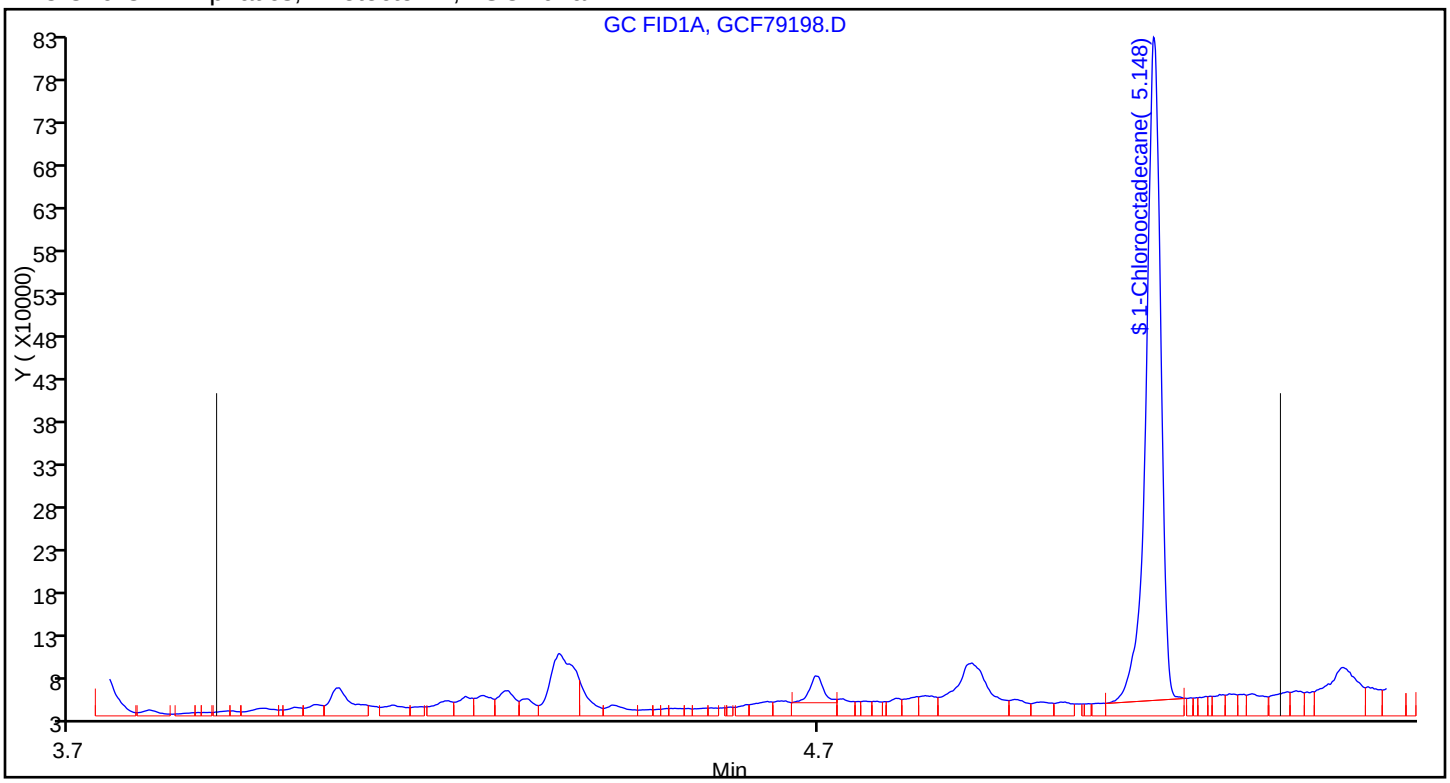


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a

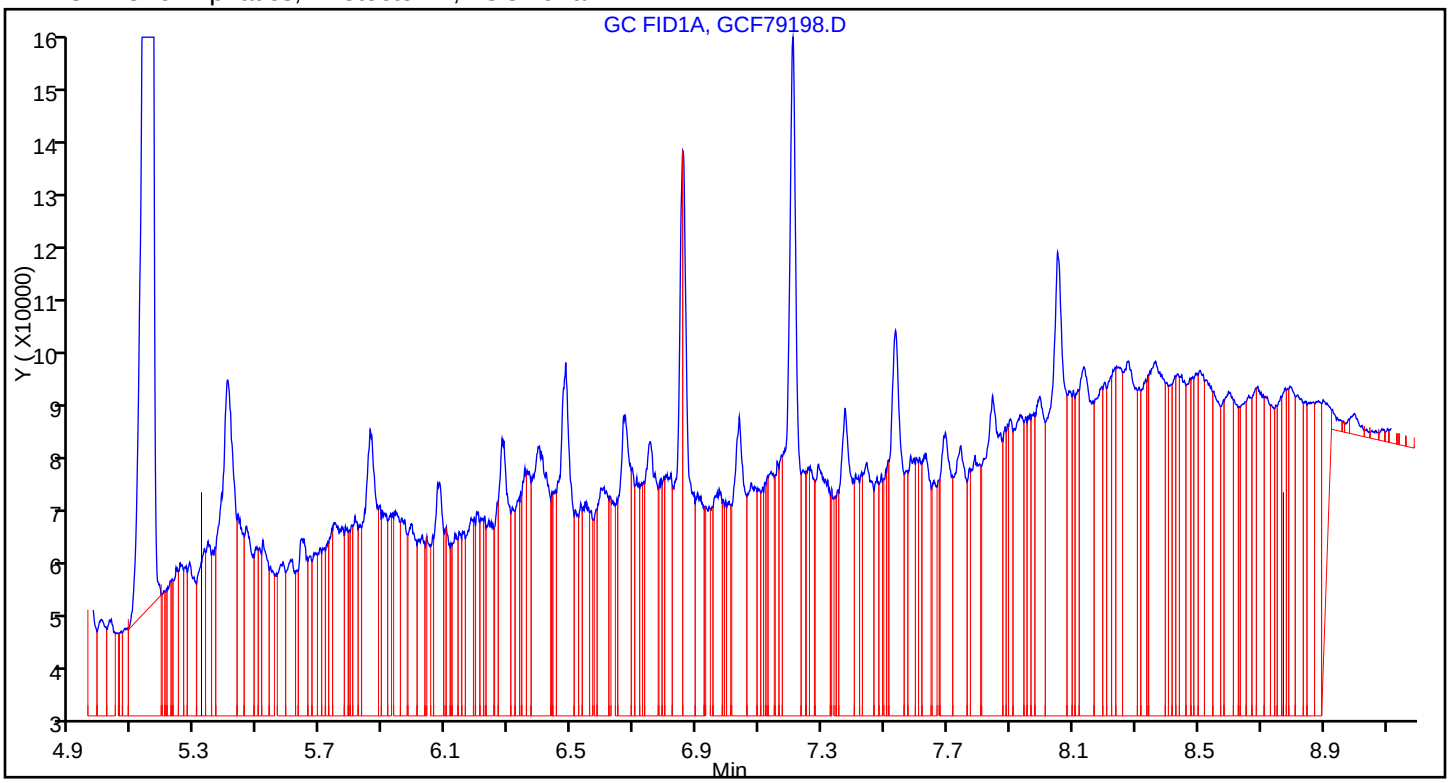


Report Date: 31-Jul-2013 08:13:57 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a

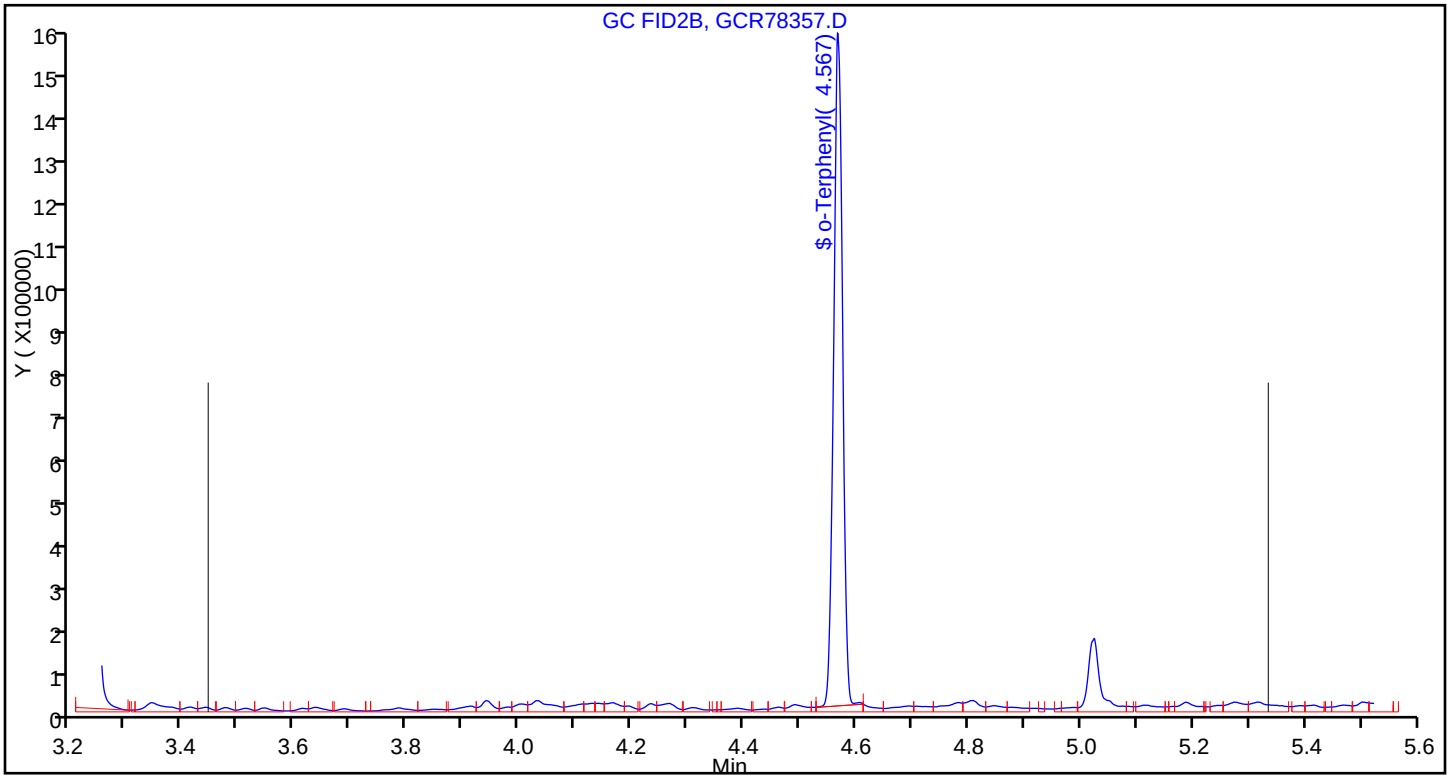


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

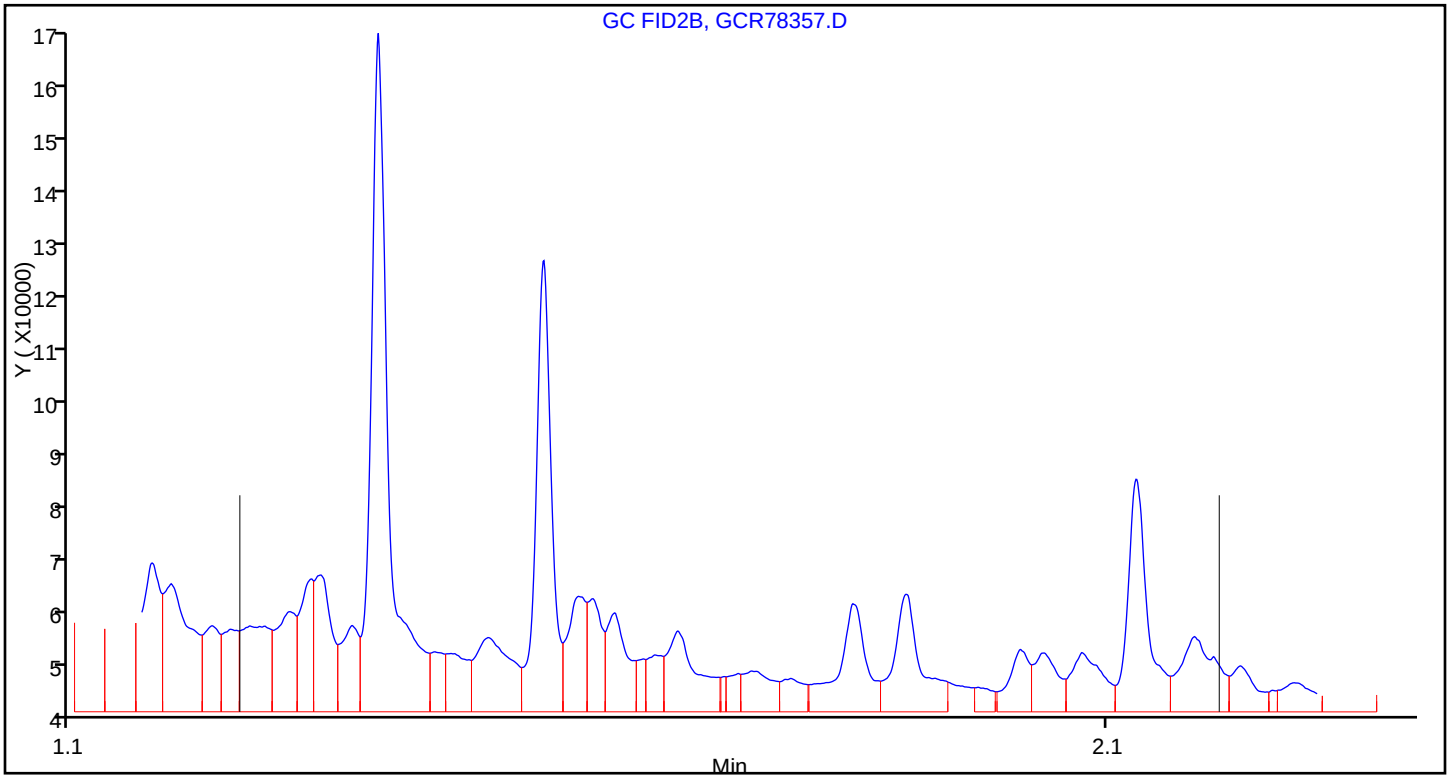


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

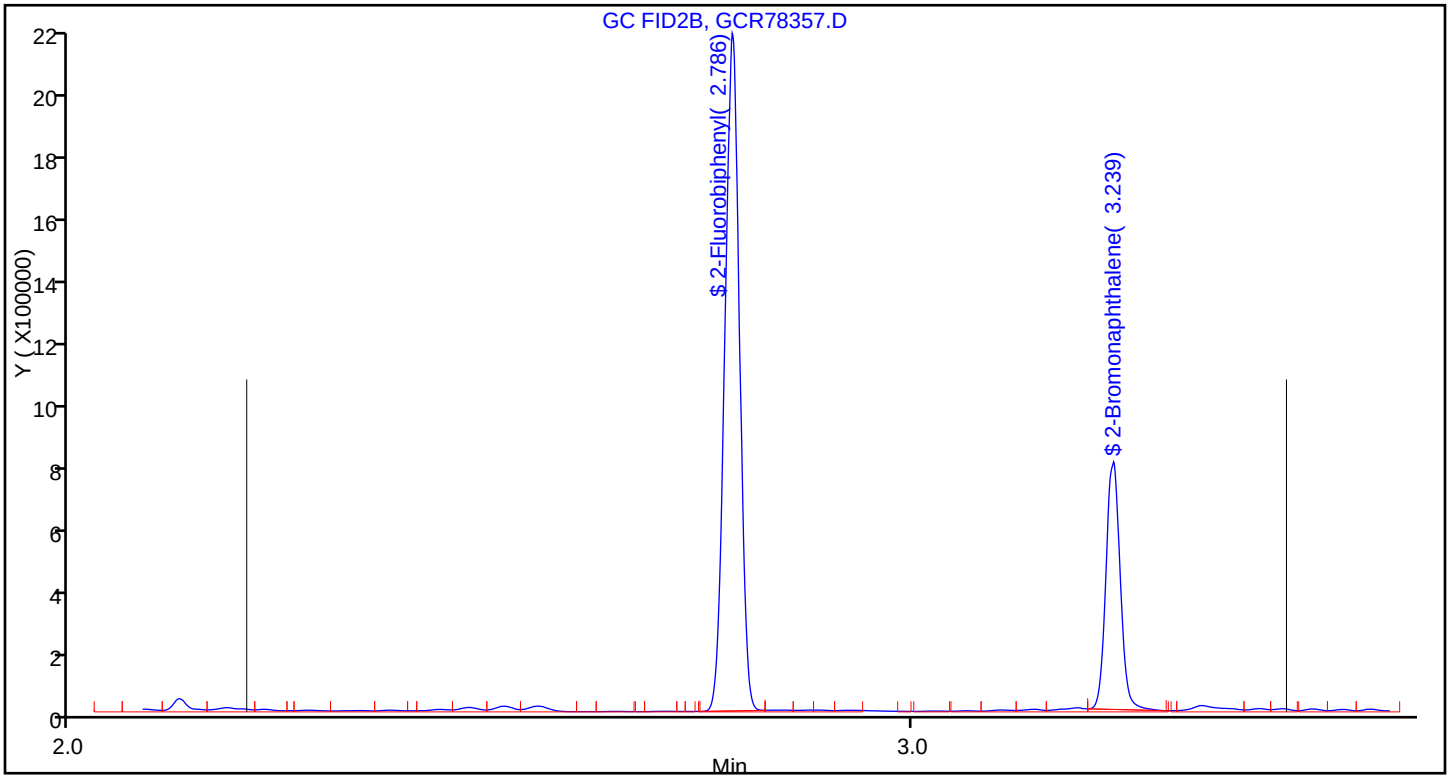


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

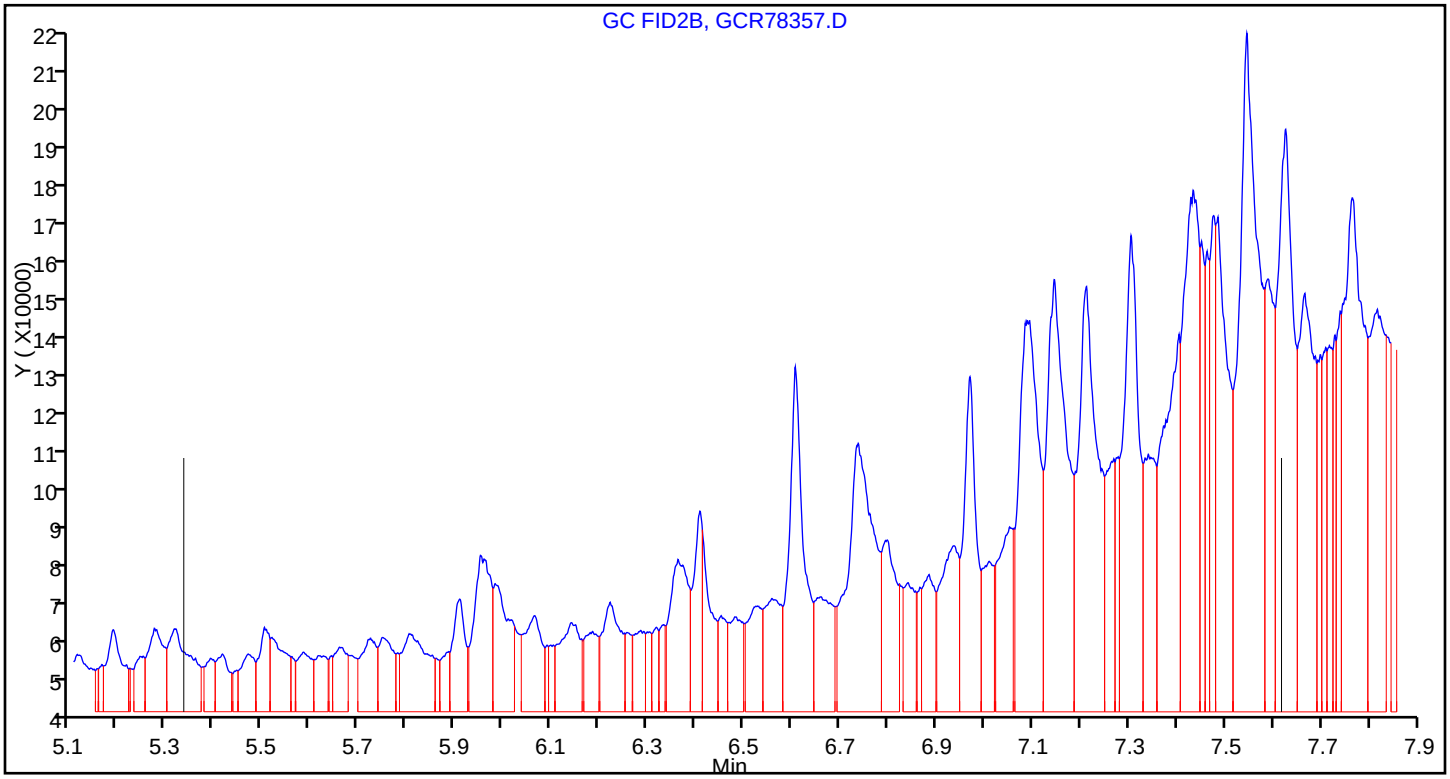


Report Date: 31-Jul-2013 08:04:14 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



Manual Integration/User Assign Peak Report

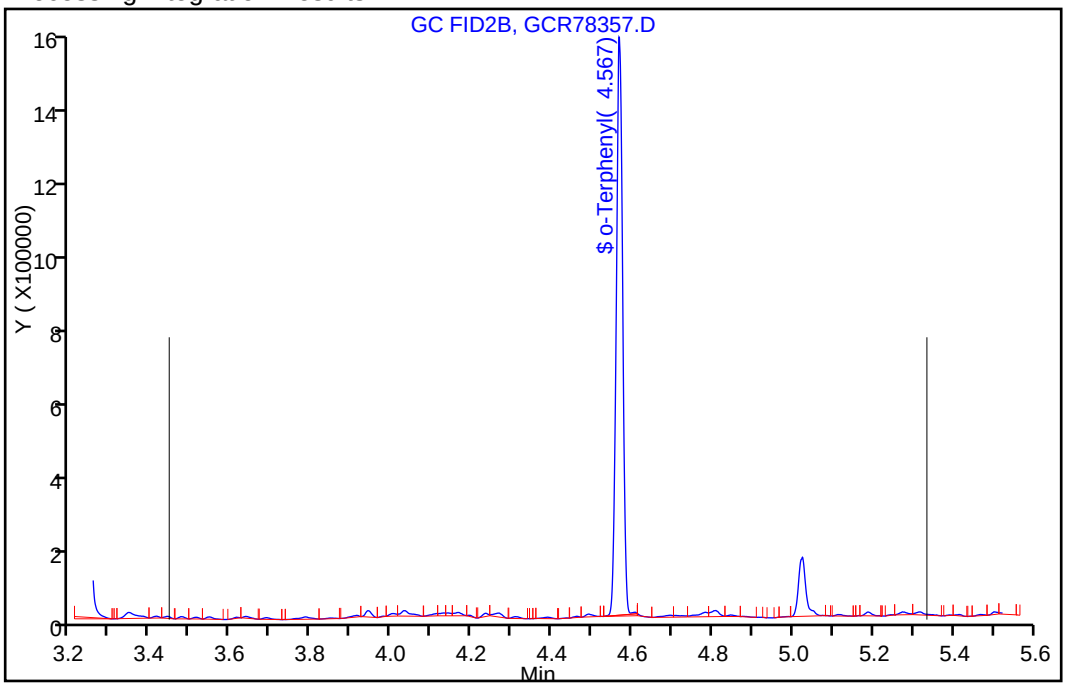
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Signal: 1, Type: quant, RT: 4.39

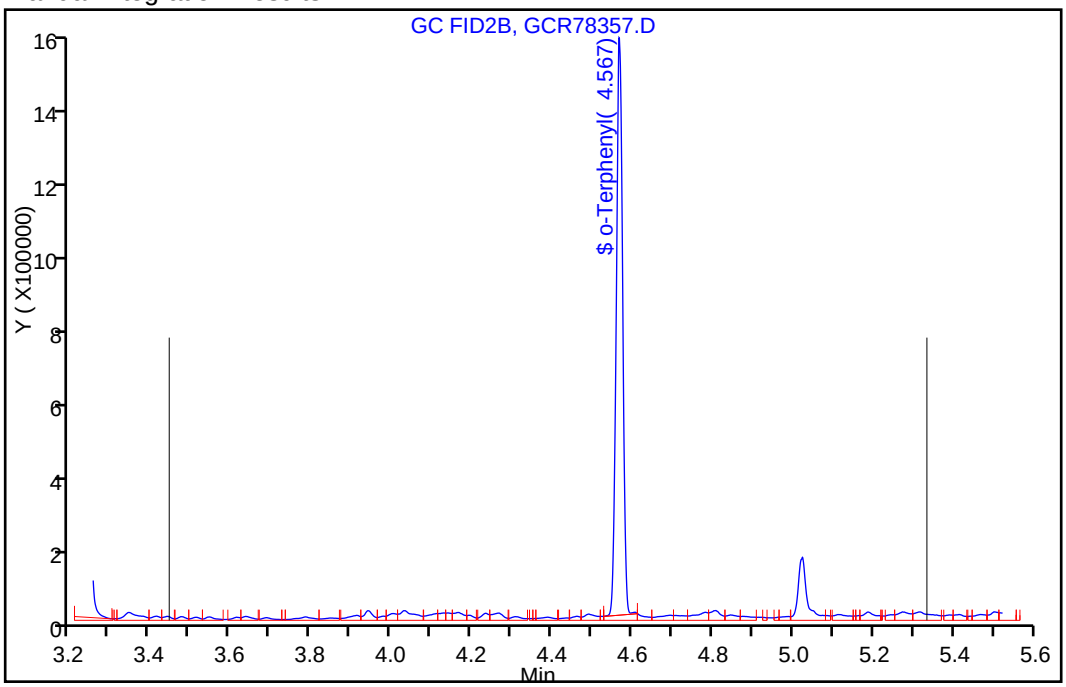
Processing Integration Results

RT: 4.39
Response: 491943
Amount: 12.639203



Manual Integration Results

RT: 4.39
Response: 1369823
Amount: 35.194059



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

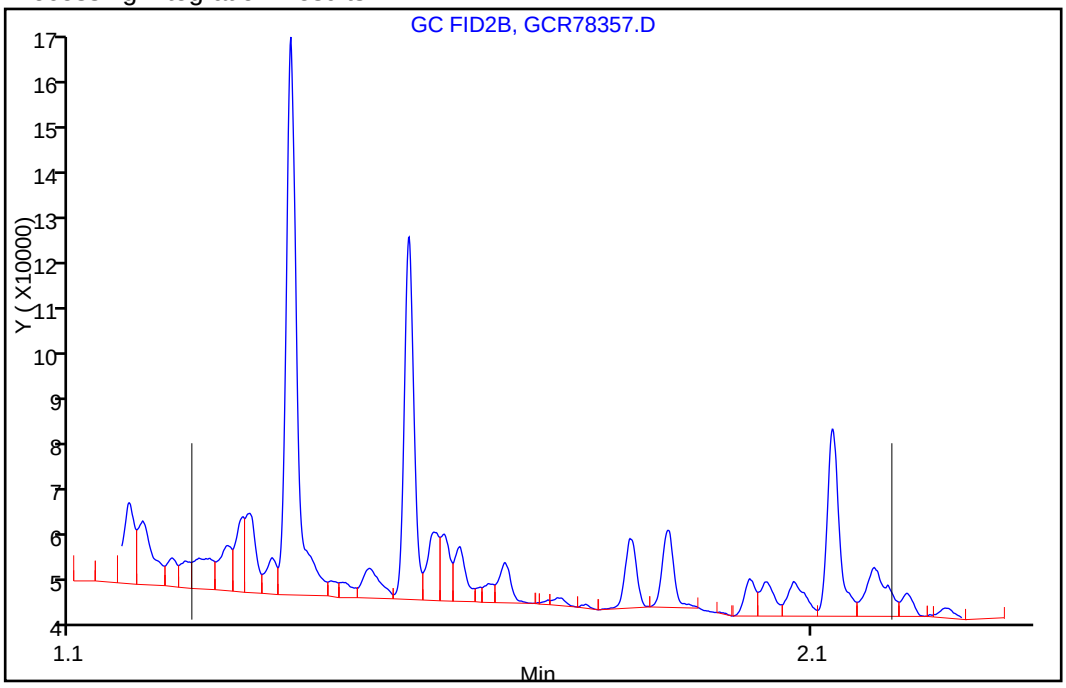
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Signal: 1, Type: quant, RT: 1.74

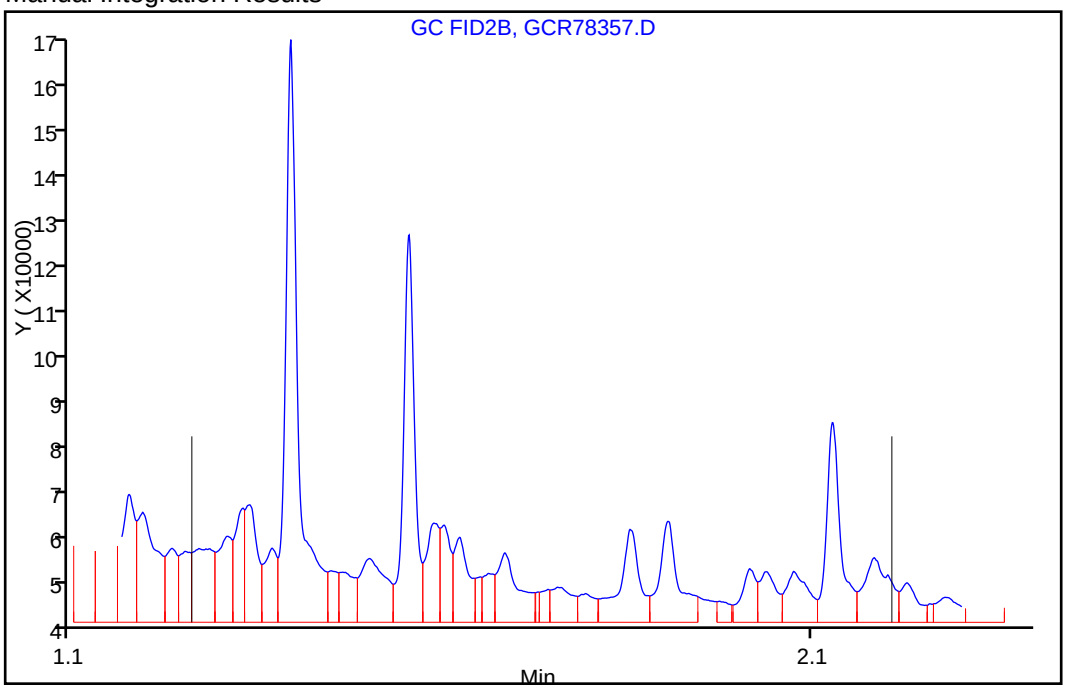
Processing Integration Results

RT: 1.74
Response: 432360
Amount: 11.420666



Manual Integration Results

RT: 1.74
Response: 756097
Amount: 19.972087



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

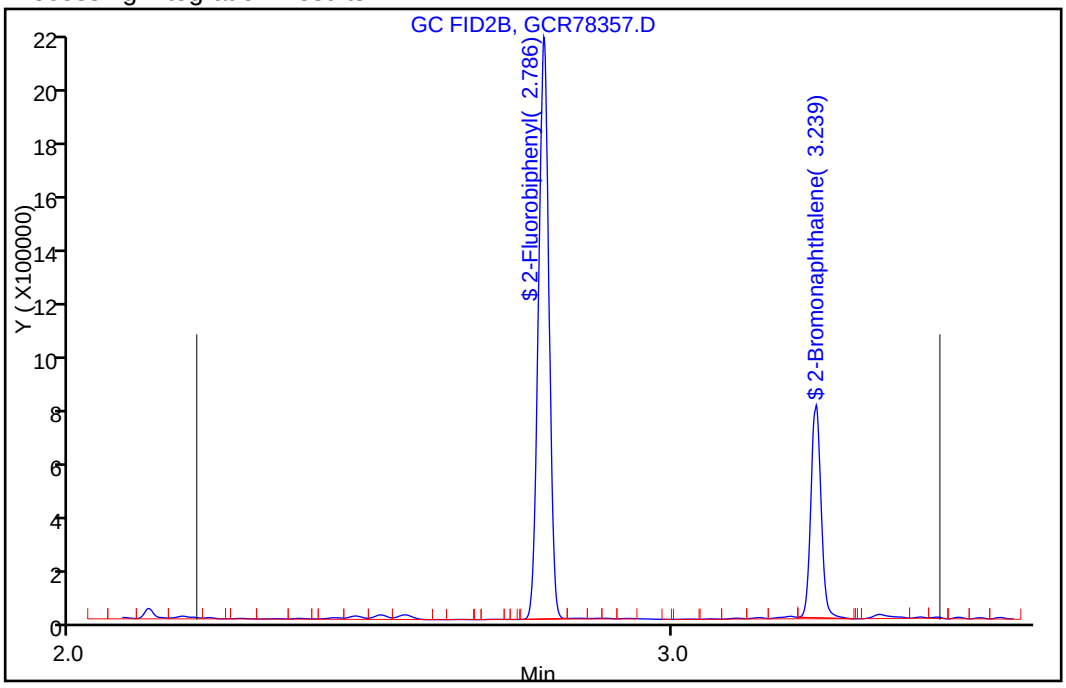
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Signal: 1, Type: quant, RT: 2.83

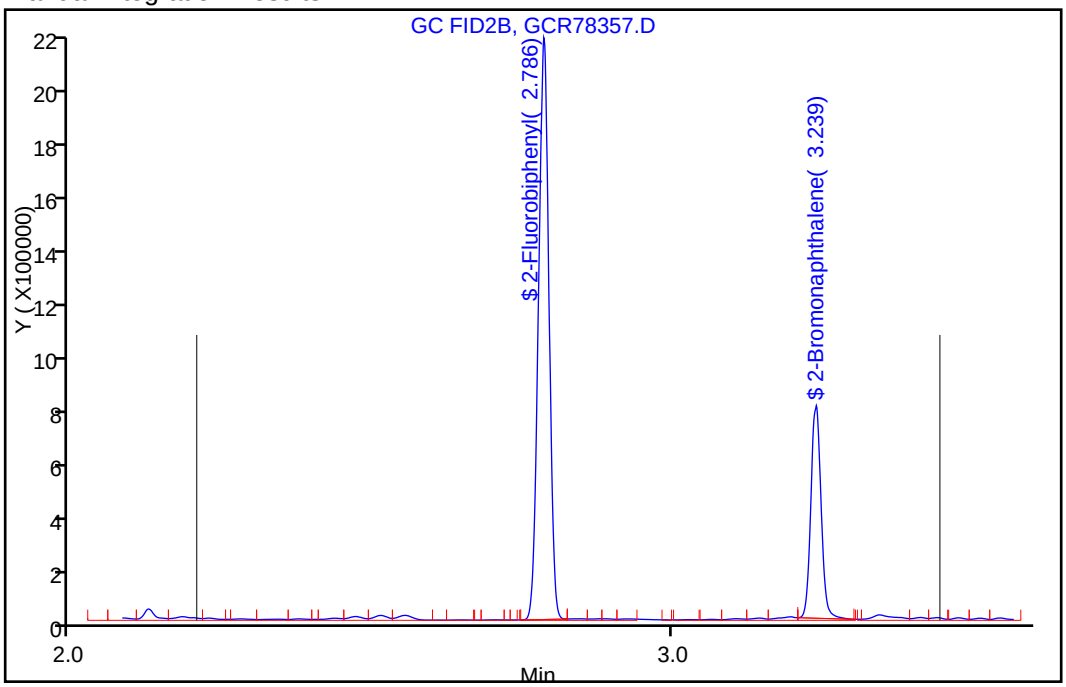
Processing Integration Results

RT: 2.83
Response: 206813
Amount: 5.330139



Manual Integration Results

RT: 2.83
Response: 424453
Amount: 10.939320



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

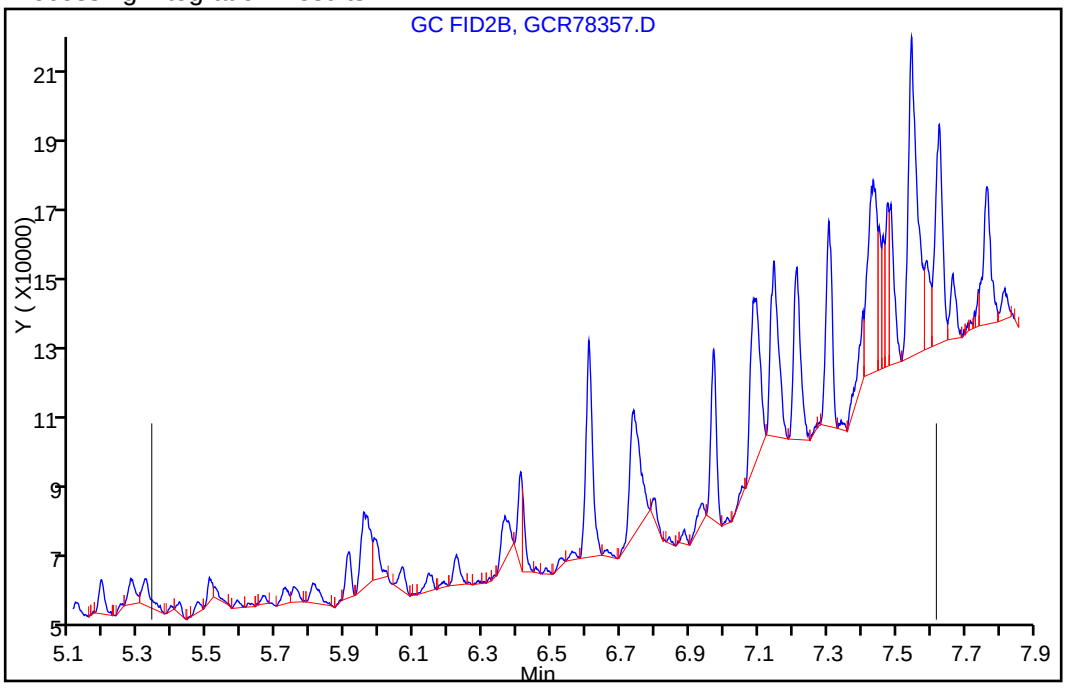
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78357.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Signal: 1, Type: quant, RT: 6.48

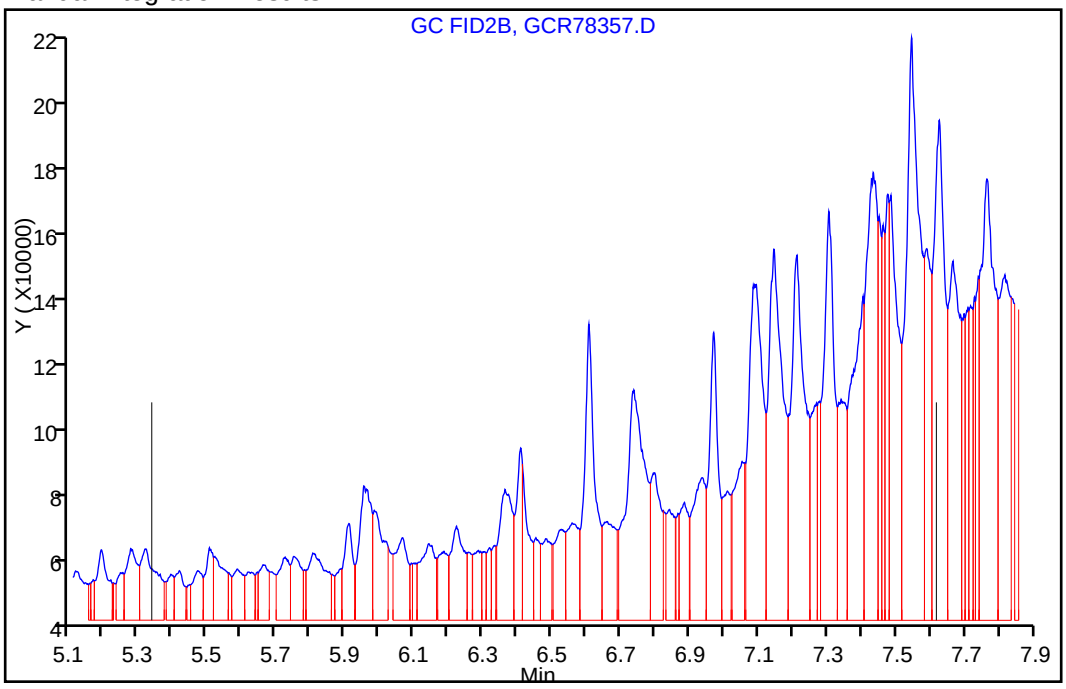
Processing Integration Results

RT: 6.48
Response: 1182523
Amount: 33.037411



Manual Integration Results

RT: 6.48
Response: 5570566
Amount: 155.6309



Reviewer: kimh, 31-Jul-2013 08:02:52
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

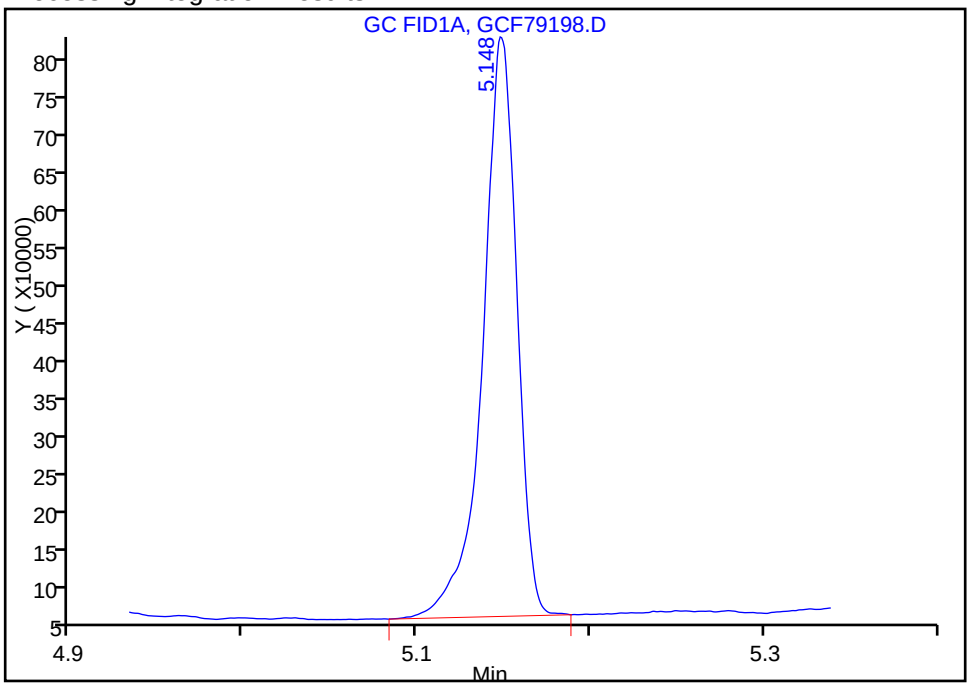
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79198.D		
Injection Date:	30-Jul-2013 19:40:54	Limit Group:	GC NJEPH ICAL
Client ID:	TS004 (072413)	Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	25
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

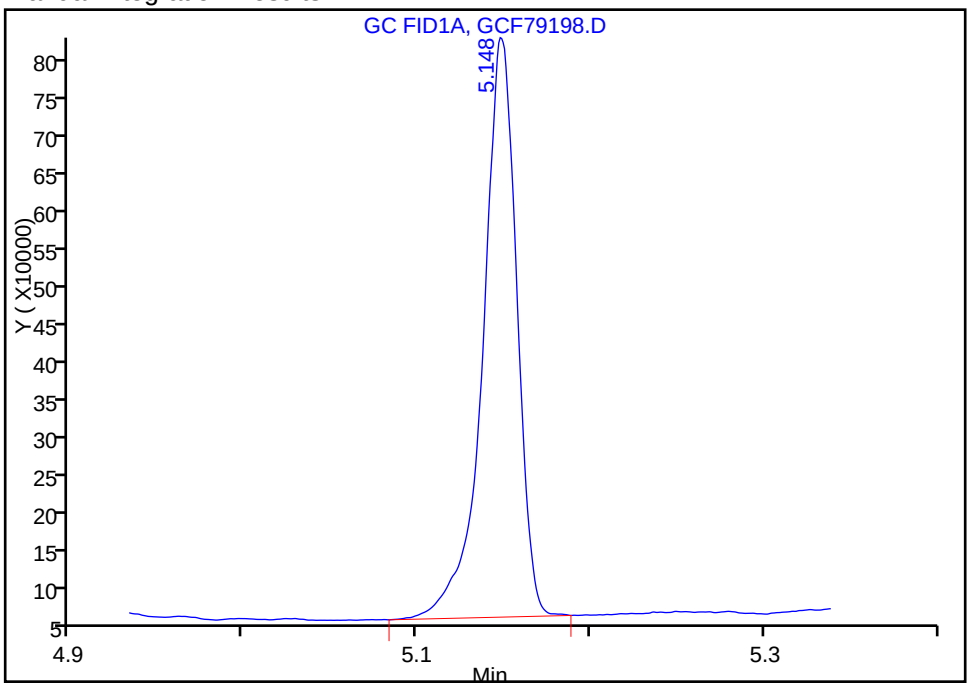
Processing Integration Results

RT: 5.15
Response: 1051105
Amount: 48.219214



Manual Integration Results

RT: 5.15
Response: 1051105
Amount: 48.219214



Reviewer: kimh, 31-Jul-2013 08:05:17
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3 Analy Batch No.: 165013

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24488

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165013/2	GCF77777.D
Level 2	STD2 460-165013/3	GCF77778.D
Level 3	STD3 460-165013/4	GCF77779.D
Level 4	STD4 460-165013/5	GCF77780.D
Level 5	STD5 460-165013/6	GCF77781.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
C9-C12 Aliphatics	1.588	1.588	1.588	1.588	1.588						0.888 - 2.288	1.588
C12-C16 Aliphatics	3.095	3.095	3.095	3.095	3.095						2.288 - 3.902	3.095
C16-C21 Aliphatics	4.614	4.614	4.614	4.614	4.614						3.902 - 5.326	4.614
Total EPH (C9-C40)	4.834	4.834	4.834	4.834	4.834						0.888 - 8.779	4.834
C21-C40 Aliphatics	7.053	7.053	7.053	7.053	7.053						5.326 - 8.779	7.053
o-Terphenyl	4.717	4.716	4.717	4.717	4.715						4.667 - 4.767	4.716
1-Chlorooctadecane	5.177	5.172	5.171	5.173	5.173						5.121 - 5.221	5.173

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 200-17642-3 Analy Batch No.: 165013

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24488

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165013/2	GCF77777.D
Level 2	STD2 460-165013/3	GCF77778.D
Level 3	STD3 460-165013/4	GCF77779.D
Level 4	STD4 460-165013/5	GCF77780.D
Level 5	STD5 460-165013/6	GCF77781.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								
C9-C12 Aliphatics	25256 19469	29023	23198	21098	Ave		23608.8477				16.0		25.0			
C12-C16 Aliphatics	29920 21724	28384	24719	23095	Ave		25568.3165				14.0		25.0			
C16-C21 Aliphatics	32041 26412	33278	27708	25335	Ave		28954.9740				12.0		25.0			
Total EPH (C9-C40)	28290 22335	29668	25256	23485	Ave		25806.6754				12.0		25.0			
C21-C40 Aliphatics	27296 19972	28677	22607	21226	Ave		23955.5484				16.0		25.0			
o-Terphenyl	29950 21976	29810	26368	24157	Ave		26452.4810				13.0		25.0			
1-Chlorooctadecane	24683 18353	17911	23933	24112	Ave		21798.4680				15.0		25.0			

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 Edison Job No.: 200-17642-3 Analy Batch No.: 165013

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24488

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165013/2	GCF77777.D
Level 2	STD2 460-165013/3	GCF77778.D
Level 3	STD3 460-165013/4	GCF77779.D
Level 4	STD4 460-165013/5	GCF77780.D
Level 5	STD5 460-165013/6	GCF77781.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
C9-C12 Aliphatics	Ave	378835	870700	3479629	6329544	11681539	15.0	30.0	150	300	600
C12-C16 Aliphatics	Ave	299201	567682	2471861	4619030	8689449	10.0	20.0	100	200	400
C16-C21 Aliphatics	Ave	640826	1331132	5541561	10134096	21129780	20.0	40.0	200	400	800
Total EPH (C9-C40)	Ave	2687551	5636961	23993049	44620840	84871696	95.0	190	950	1900	3800
C21-C40 Aliphatics	Ave	1364810	2867668	11303646	21226053	39943034	50.0	100	500	1000	2000
o-Terphenyl	Ave	149752	298100	1318422	2415728	4395257	5.00	10.0	50.0	100	200
1-Chlorooctadecane	Ave	123417	179107	1196645	2411204	3670660	5.00	10.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D		
Lims ID:	std1	Client ID:	
Inject. Date:	10-Jun-2013 17:08:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	460-0001413-002		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	165013	Lims Sample ID:	2
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\ALEPH4F.m		
Last Update:	11-Jun-2013 08:17:01	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK007		
First Level Reviewer: nimerd		Date:	11-Jun-2013 07:52:22

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.012	1.013	-0.001	107054	0	M
A 1 C9-C12 Aliphatics	1.588	0.888 - 2.288		378835	16.0	
9 Dodecane	2.128	2.129	-0.001	129572	0	
A 2 C12-C16 Aliphatics	3.095	2.288 - 3.902		299201	11.7	
10 Hexadecane	3.762	3.762	0.0	72389	0	
A 3 C16-C21 Aliphatics	4.614	3.902 - 5.326		640826	22.1	
$ 6 o-Terphenyl	4.717	4.717	0.0	149752	5.66	
A 5 C9-C40	4.834	0.888 - 8.779		2687551	104.1	
$ 7 1-Chlorooctadecane	5.177	5.171	0.006	123417	5.66	
11 C21	5.186	5.187	-0.001	168614	0	
A 4 C21-C40 Aliphatics	7.053	5.326 - 8.779		1364810	57.0	
12 C40	8.630	8.629	0.001	78692	0	

QC Flag Legend

Review Flags
M - Manually Integrated

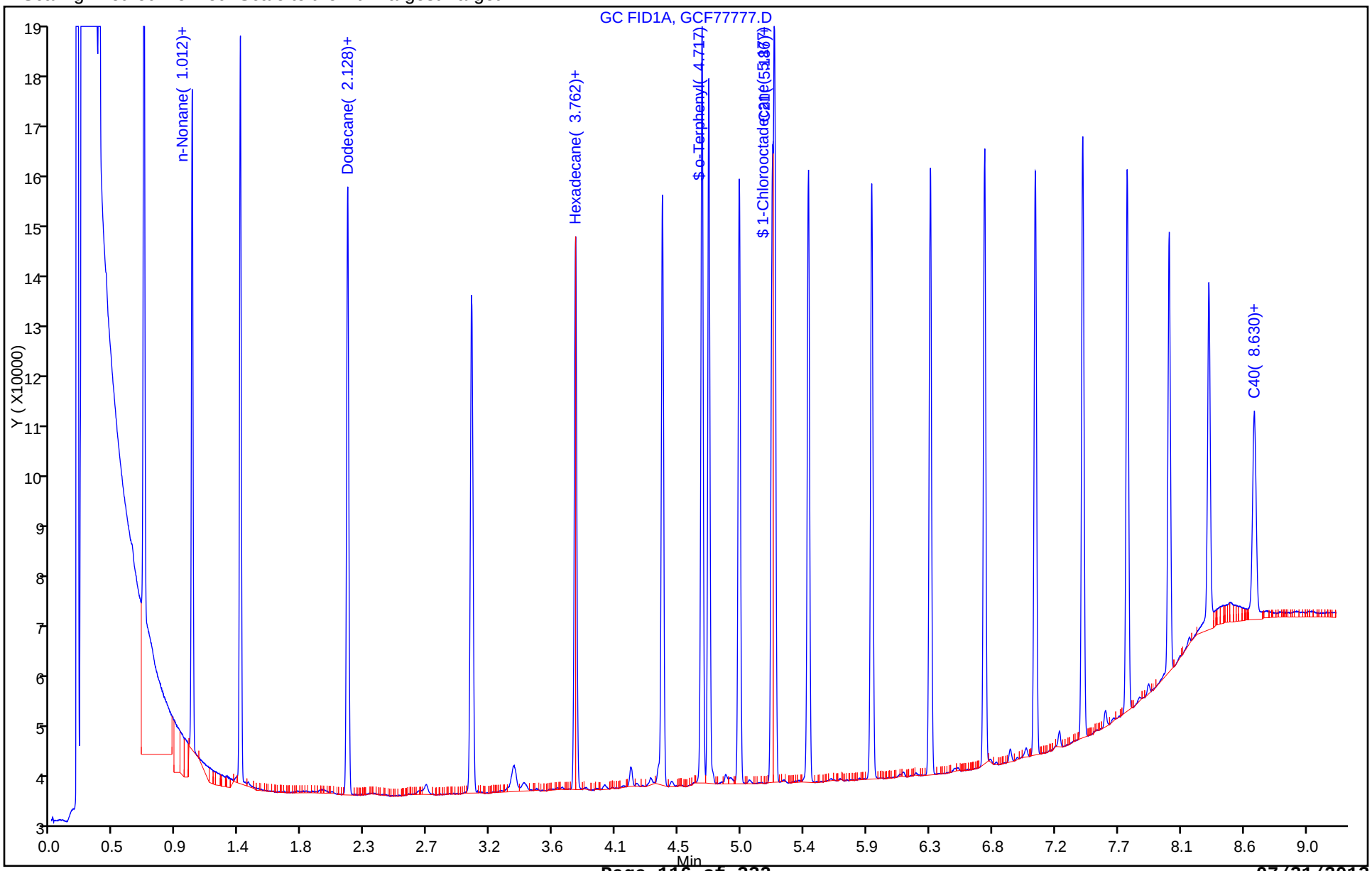
Report Date: 11-Jun-2013 08:17:01 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



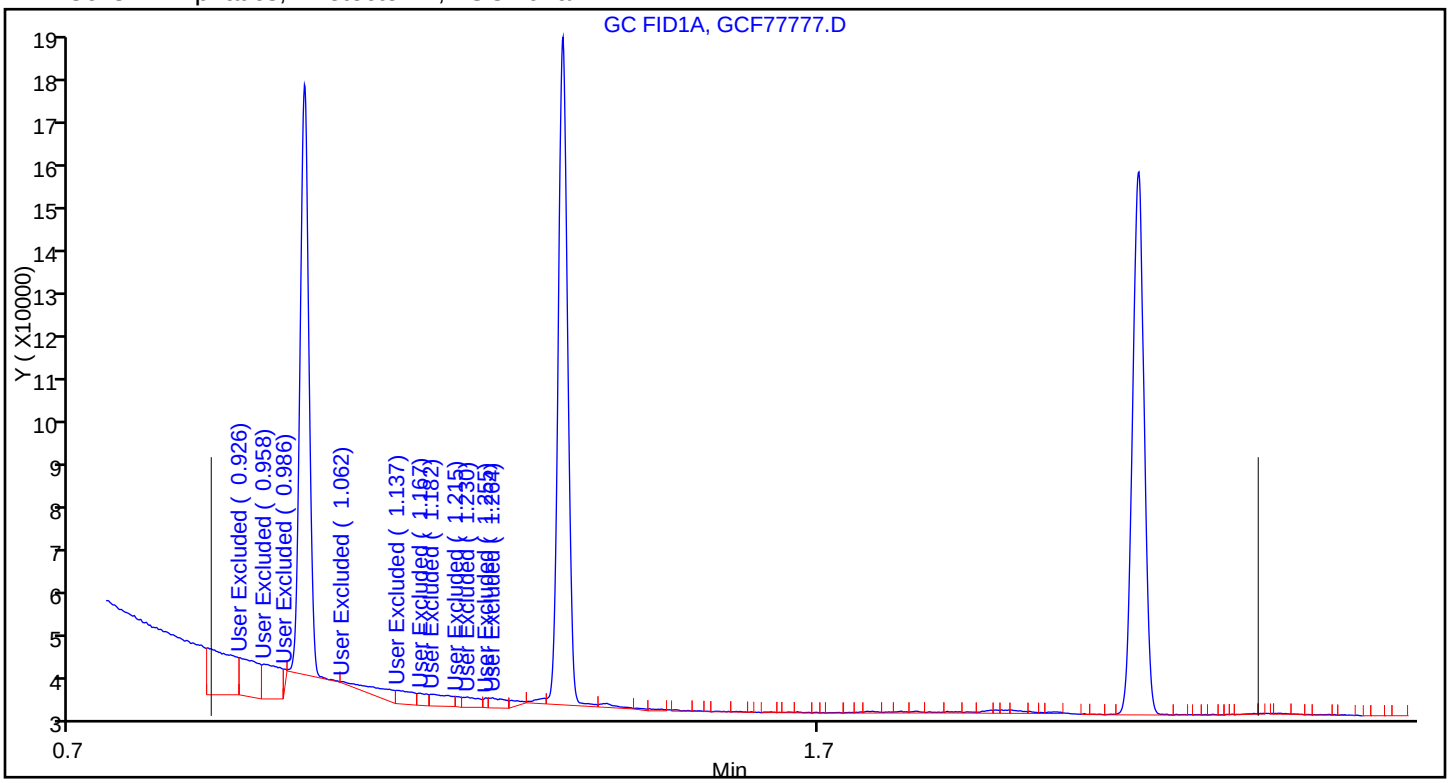
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



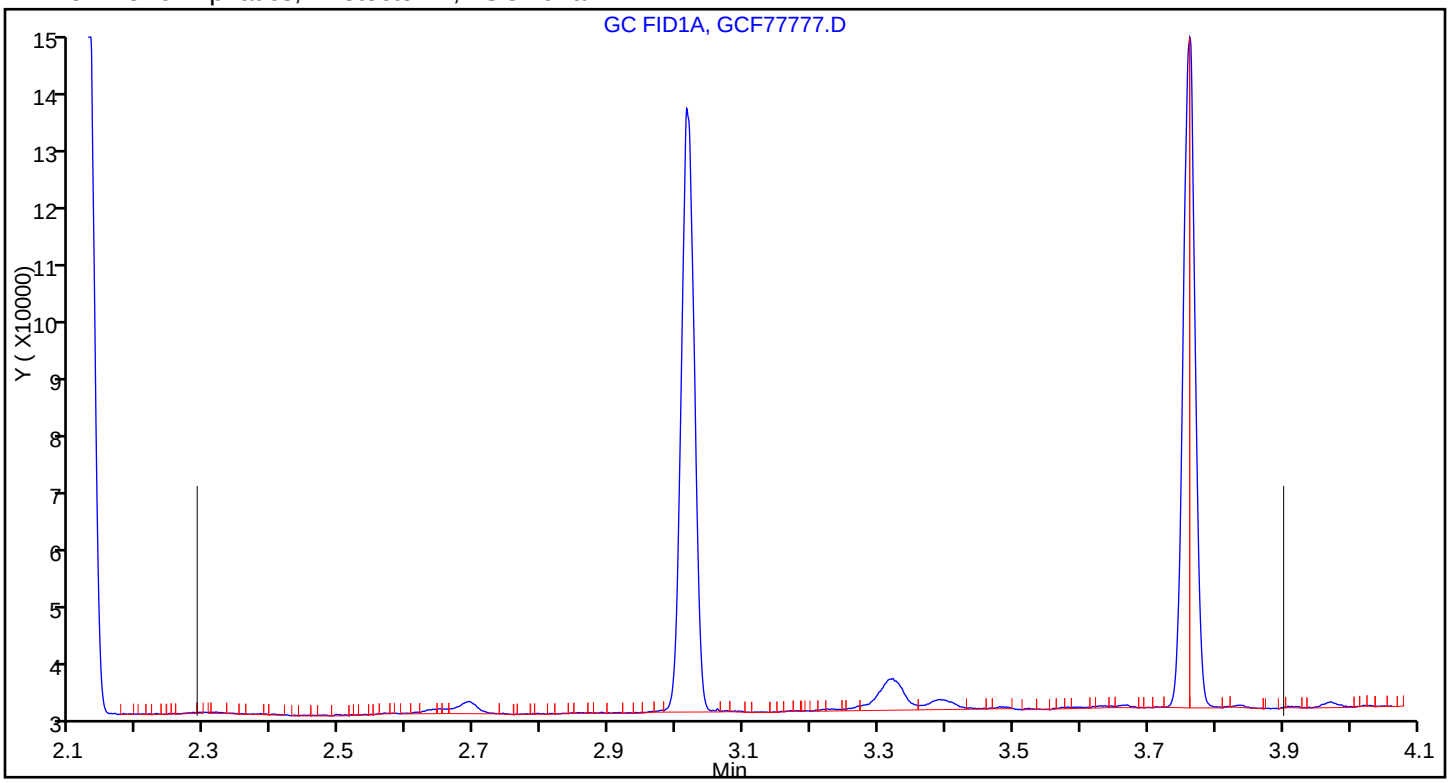
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



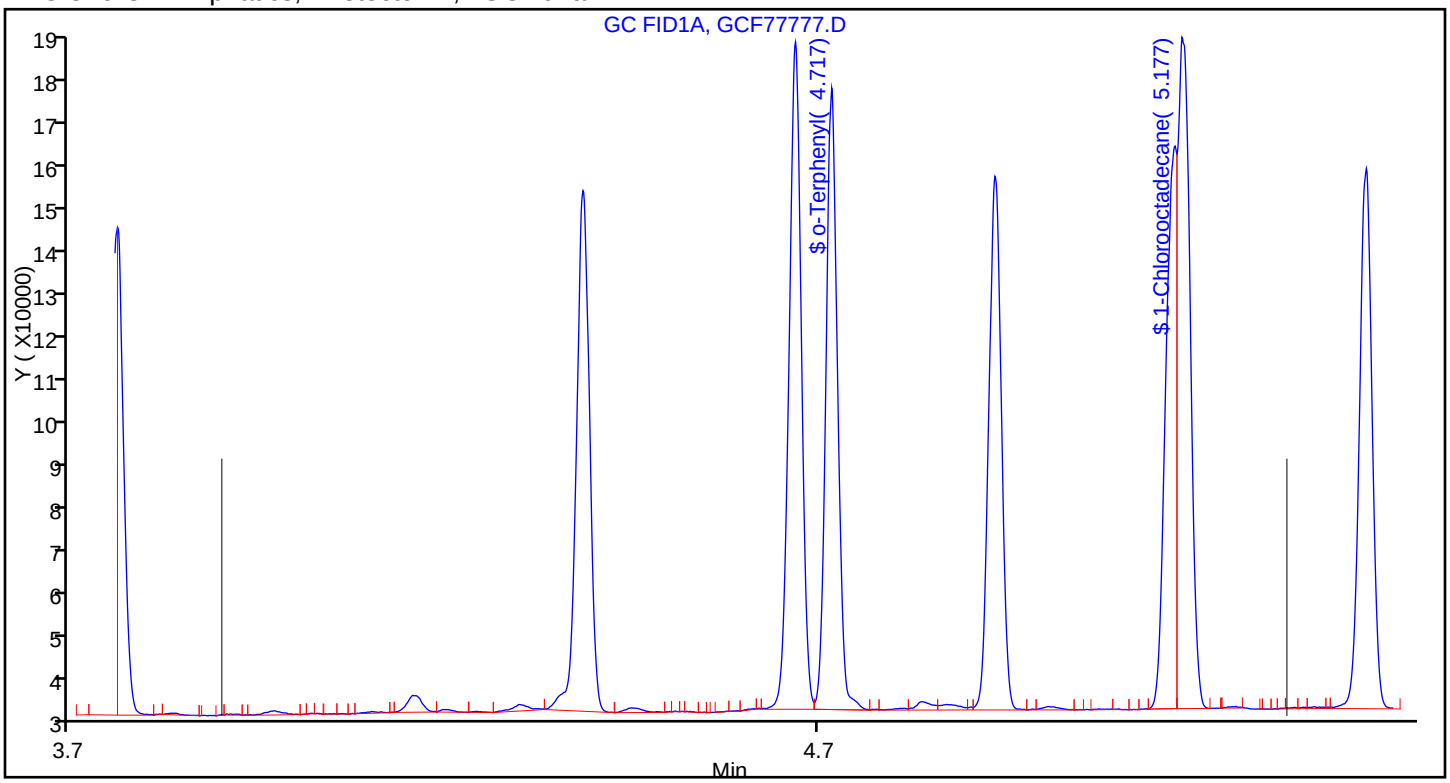
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



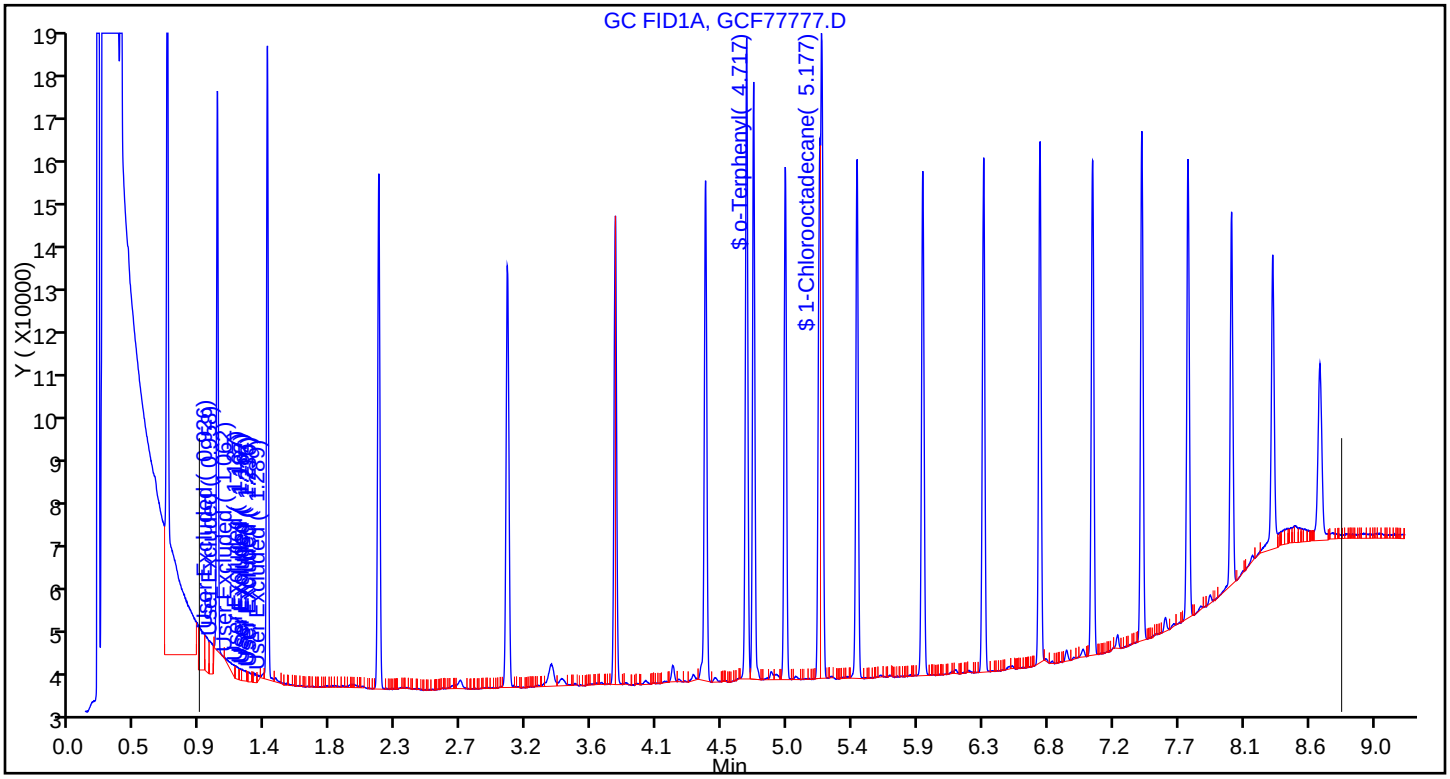
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



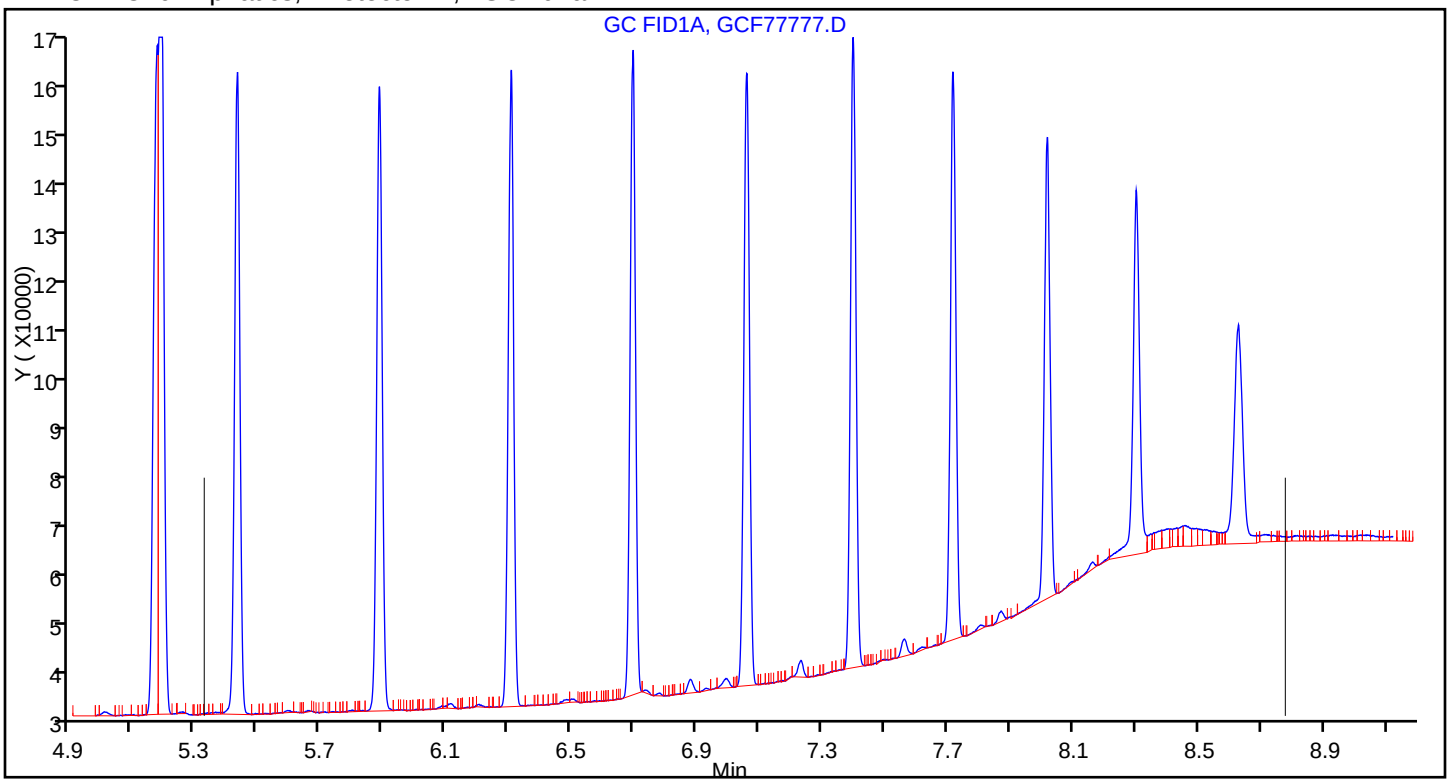
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77777.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D		
Lims ID:	std2	Client ID:	
Inject. Date:	10-Jun-2013 17:23:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	460-0001413-003		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	165013	Lims Sample ID:	3
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\ALEPH4F.m		
Last Update:	11-Jun-2013 08:17:02	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK007		
First Level Reviewer: nimerd		Date:	11-Jun-2013 07:53:49

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.012	1.013	-0.001	253838	0	
A 1 C9-C12 Aliphatics	1.588	0.888 - 2.288		870700	36.9	
9 Dodecane	2.128	2.129	-0.001	260532	0	
A 2 C12-C16 Aliphatics	3.095	2.288 - 3.902		567682	22.2	
10 Hexadecane	3.761	3.762	-0.001	269438	0	
A 3 C16-C21 Aliphatics	4.614	3.902 - 5.326		1331132	46.0	
$ 6 o-Terphenyl	4.716	4.717	-0.001	298100	11.3	
A 5 C9-C40	4.834	0.888 - 8.779		5636961	218.4	
$ 7 1-Chlorooctadecane	5.172	5.171	0.001	179107	8.22	
11 C21	5.186	5.187	-0.001	408343	0	
A 4 C21-C40 Aliphatics	7.053	5.326 - 8.779		2867668	119.7	
12 C40	8.635	8.629	0.006	171130	0	

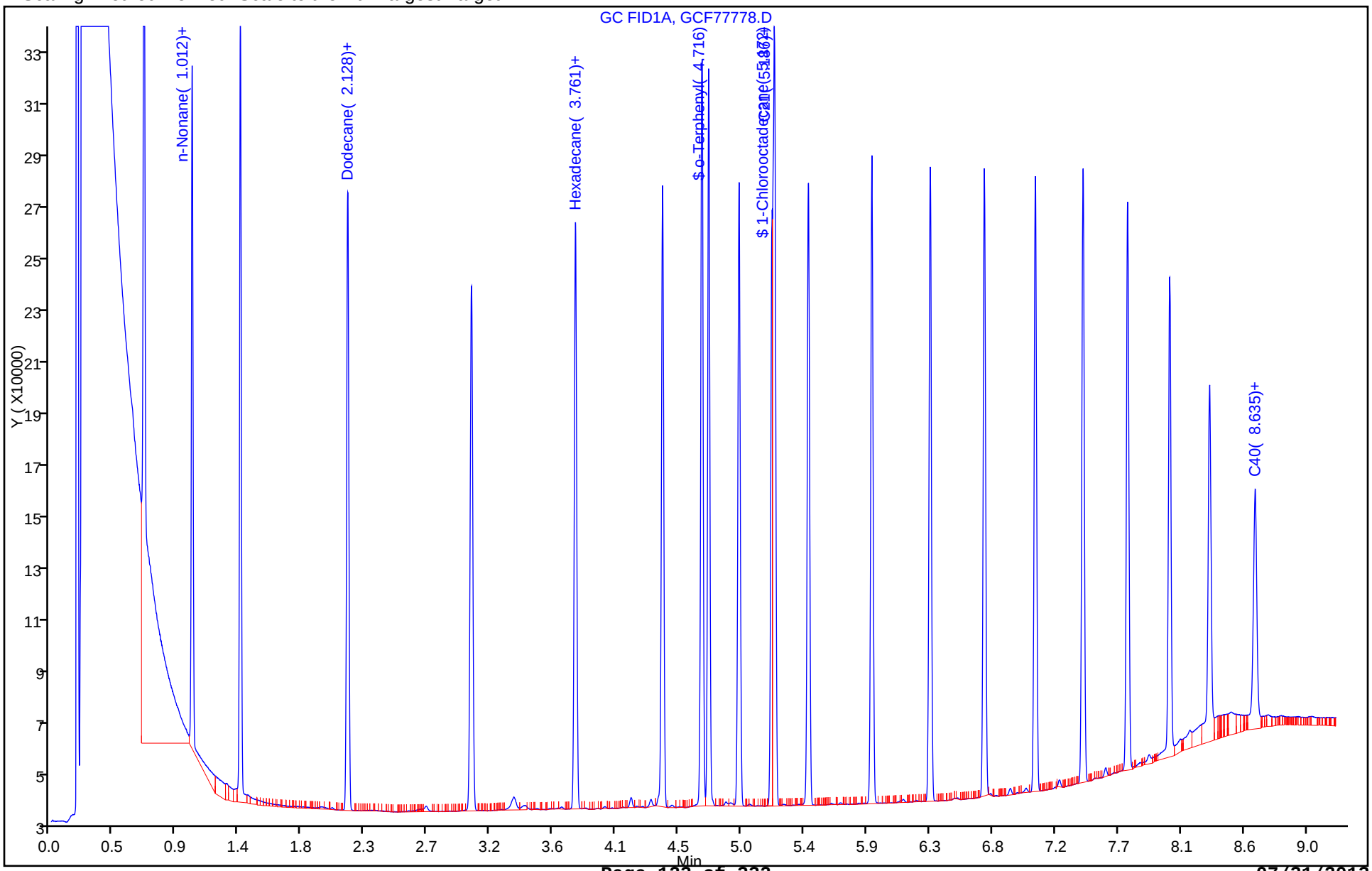
Report Date: 11-Jun-2013 08:17:02 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



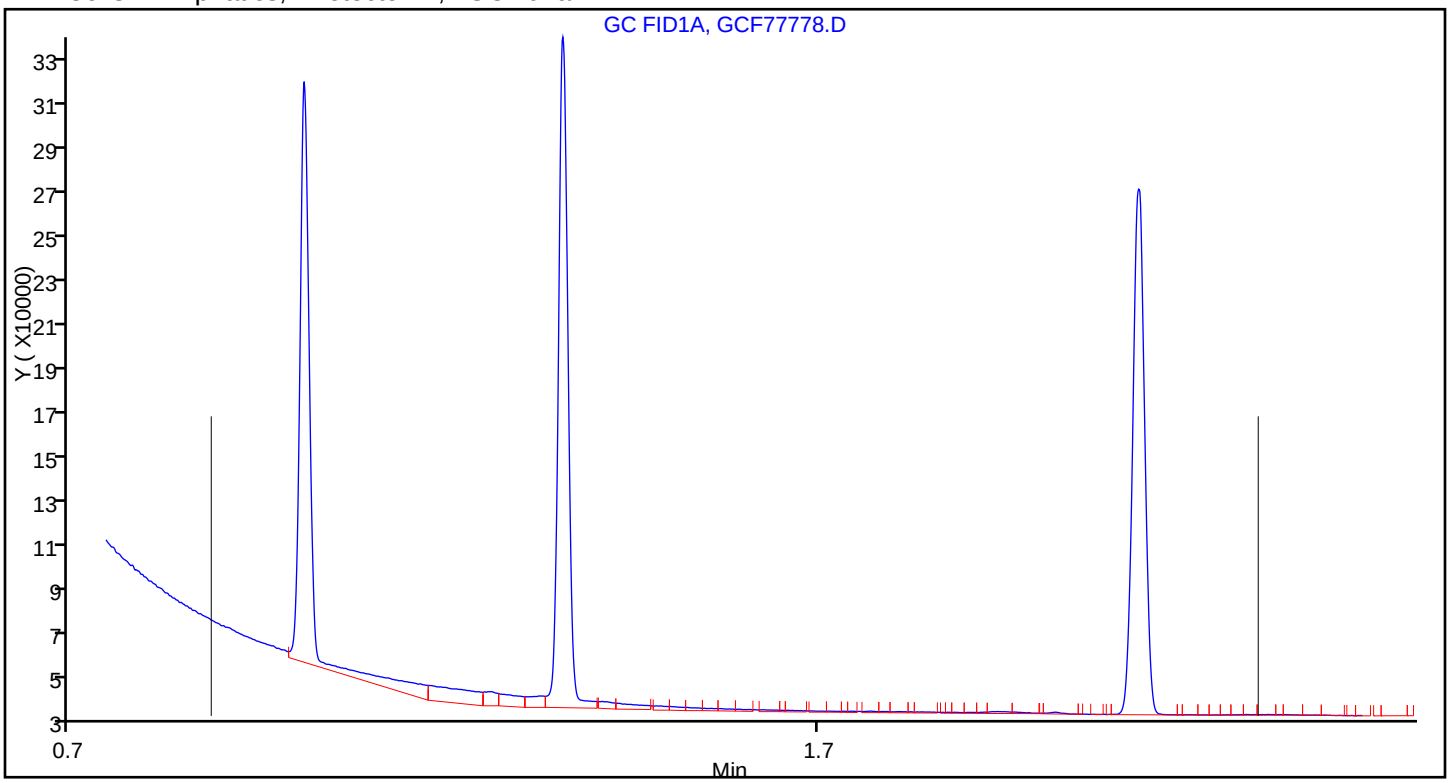
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



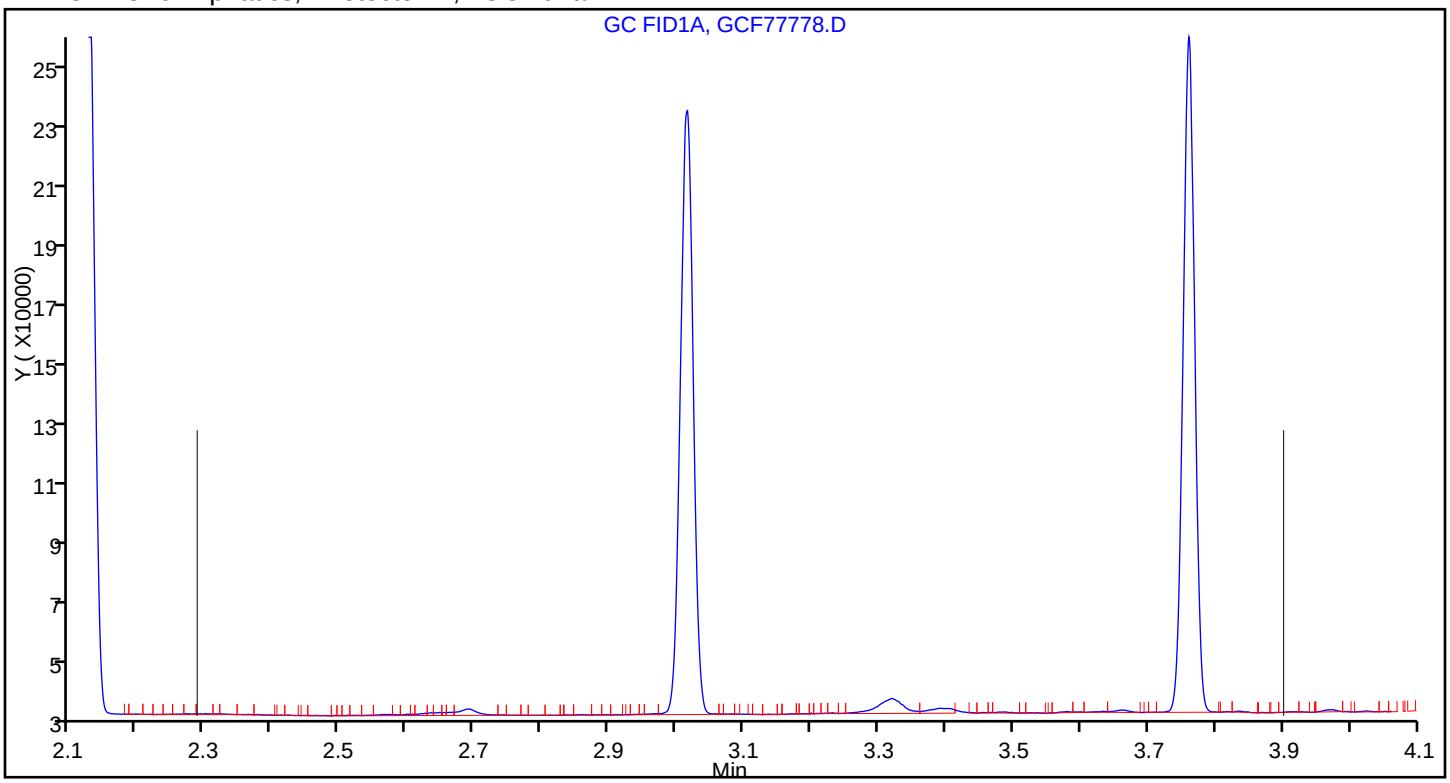
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



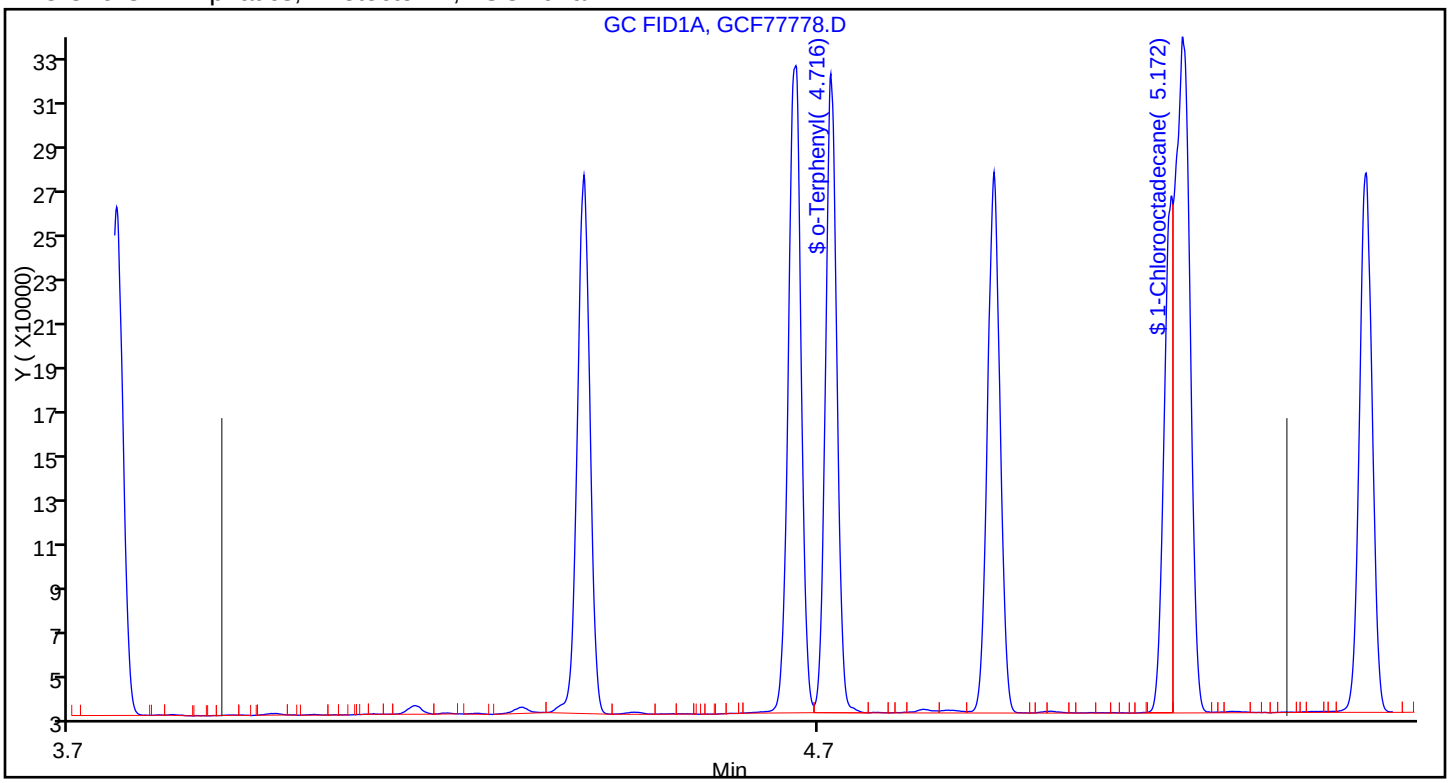
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



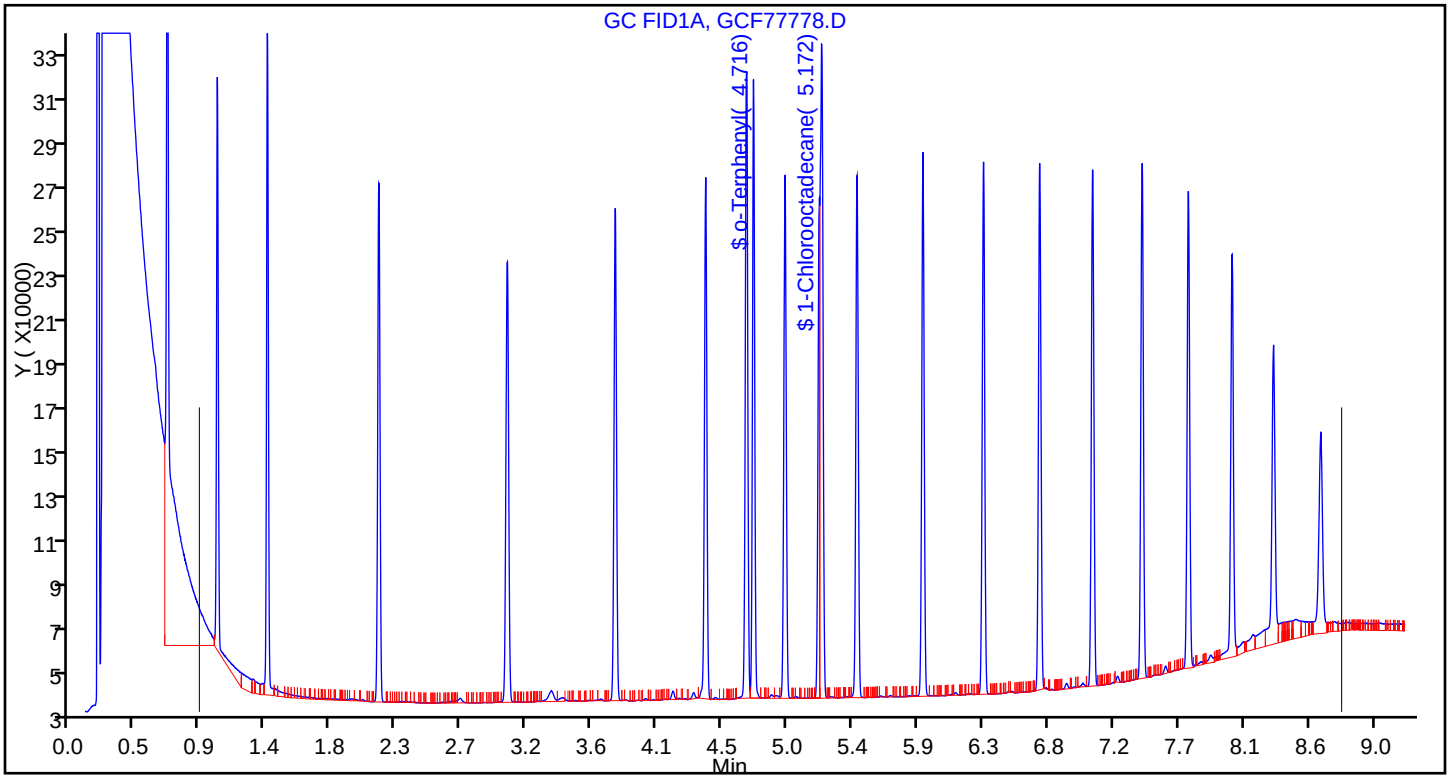
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



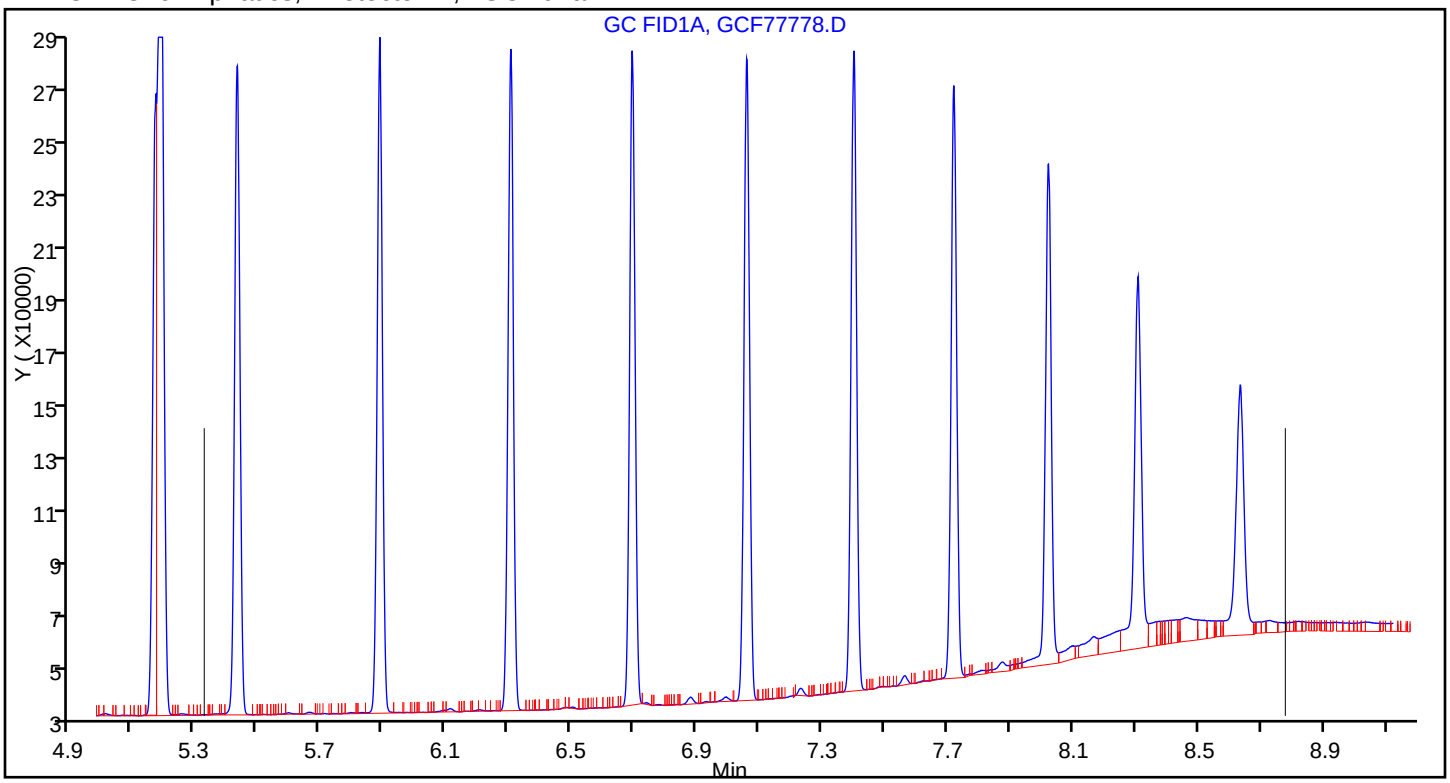
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77778.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D		
Lims ID:	std3	Client ID:	
Inject. Date:	10-Jun-2013 17:37:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	460-0001413-004		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	165013	Lims Sample ID:	4
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\ALEPH4F.m		
Last Update:	11-Jun-2013 08:17:03	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK007		
First Level Reviewer: nimerd		Date:	11-Jun-2013 07:42:13

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.013	1.013	0.0	997103	0	
A 1 C9-C12 Aliphatics	1.588	0.888 - 2.288		3479629	147.4	
9 Dodecane	2.129	2.129	0.0	1174665	0	
A 2 C12-C16 Aliphatics	3.095	2.288 - 3.902		2471861	96.7	
10 Hexadecane	3.762	3.762	0.0	1221208	0	
A 3 C16-C21 Aliphatics	4.614	3.902 - 5.326		5541561	191.4	
$ 6 o-Terphenyl	4.717	4.717	0.0	1318422	49.8	
A 5 C9-C40	4.834	0.888 - 8.779		23993049	929.7	M
$ 7 1-Chlorooctadecane	5.171	5.171	0.0	1196645	54.9	M
11 C21	5.187	5.187	0.0	1444913	0	
A 4 C21-C40 Aliphatics	7.053	5.326 - 8.779		11303646	471.9	
12 C40	8.629	8.629	0.0	689497	0	

QC Flag Legend

Review Flags
M - Manually Integrated

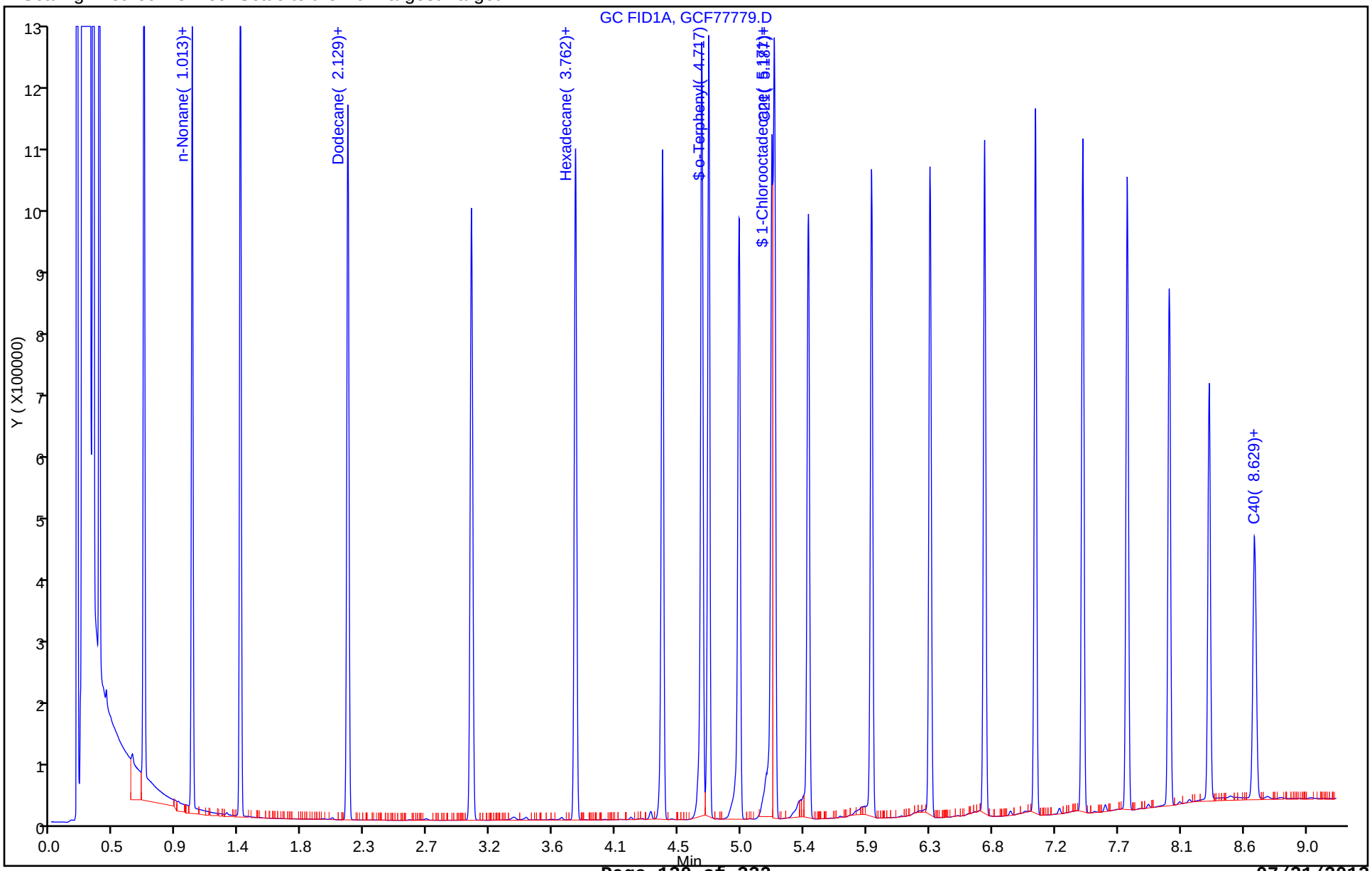
Report Date: 11-Jun-2013 08:17:03 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



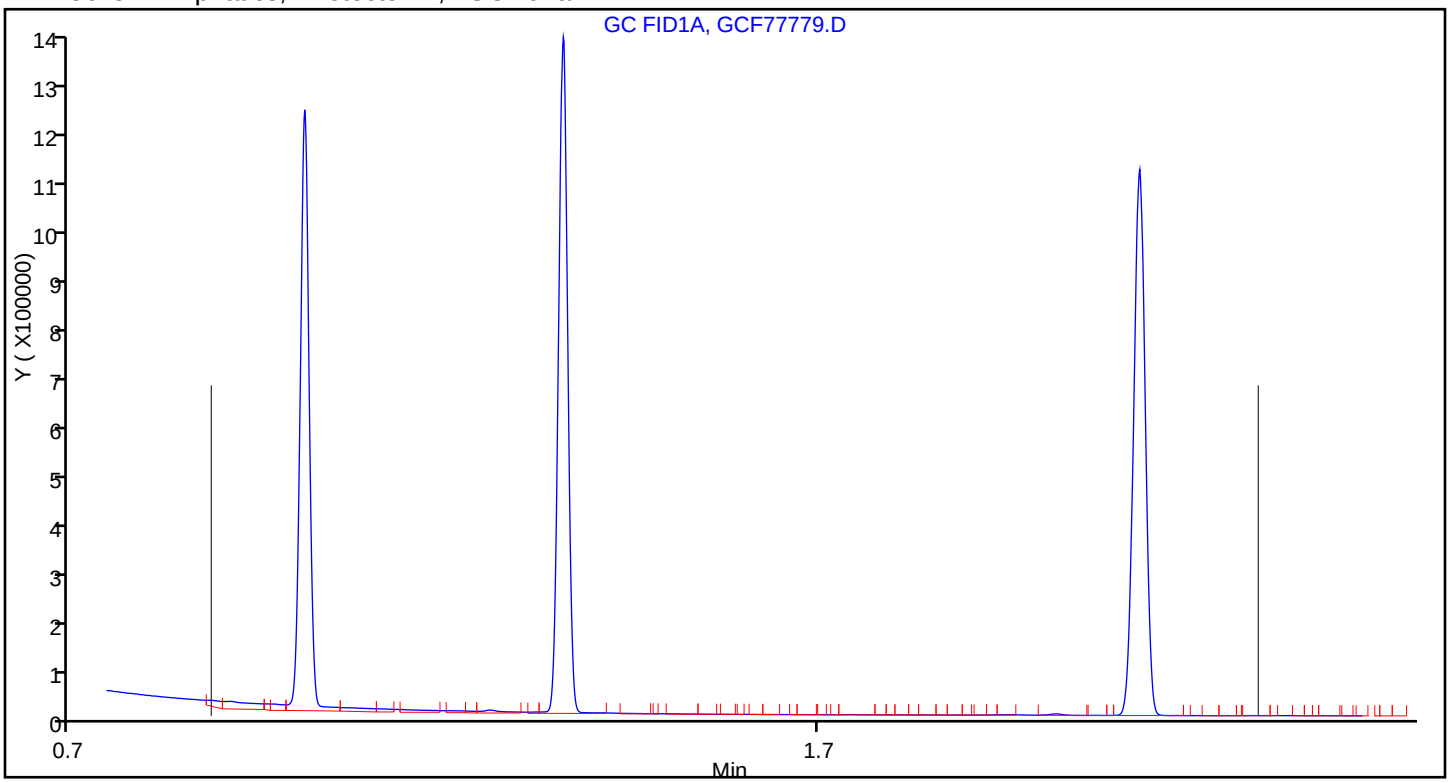
Report Date: 11-Jun-2013 08:17:04 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



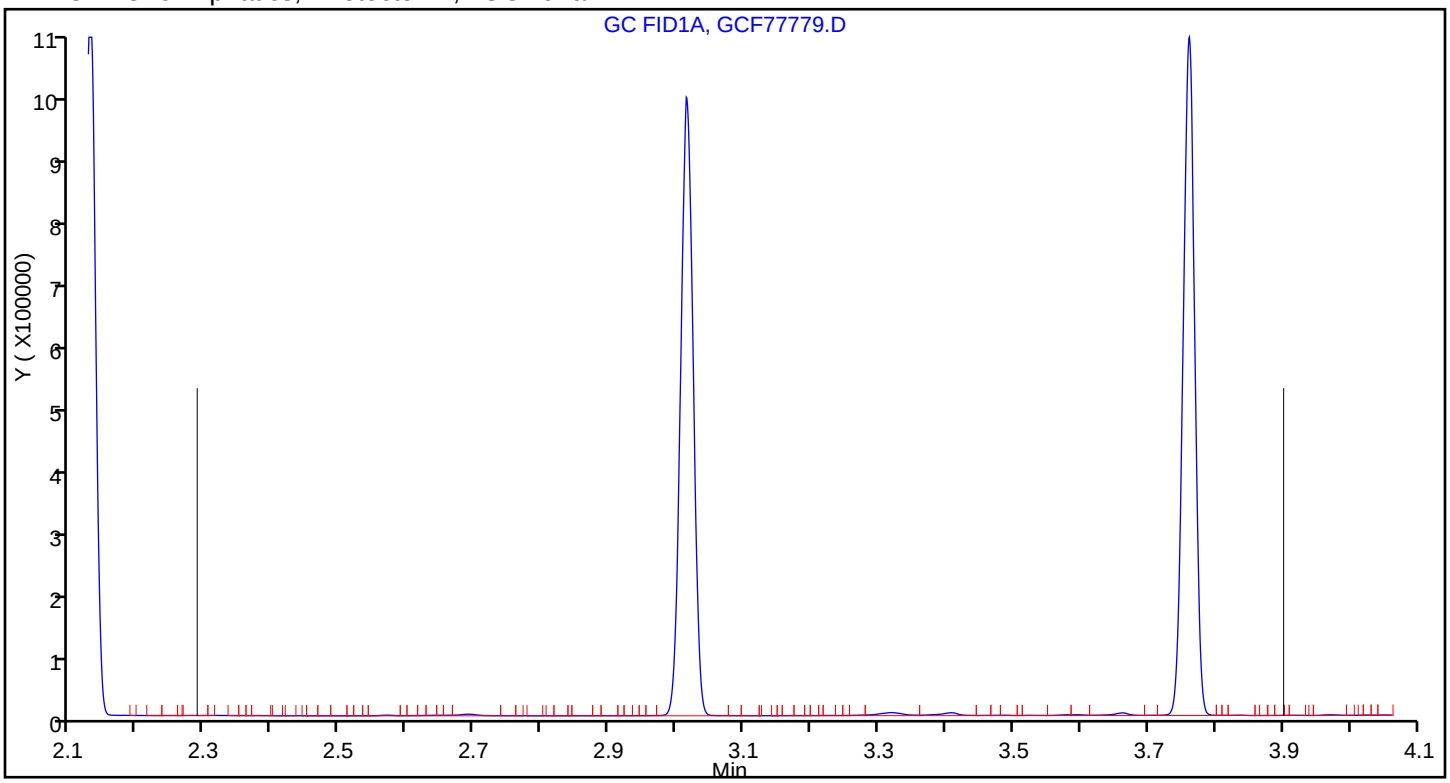
Report Date: 11-Jun-2013 08:17:04 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



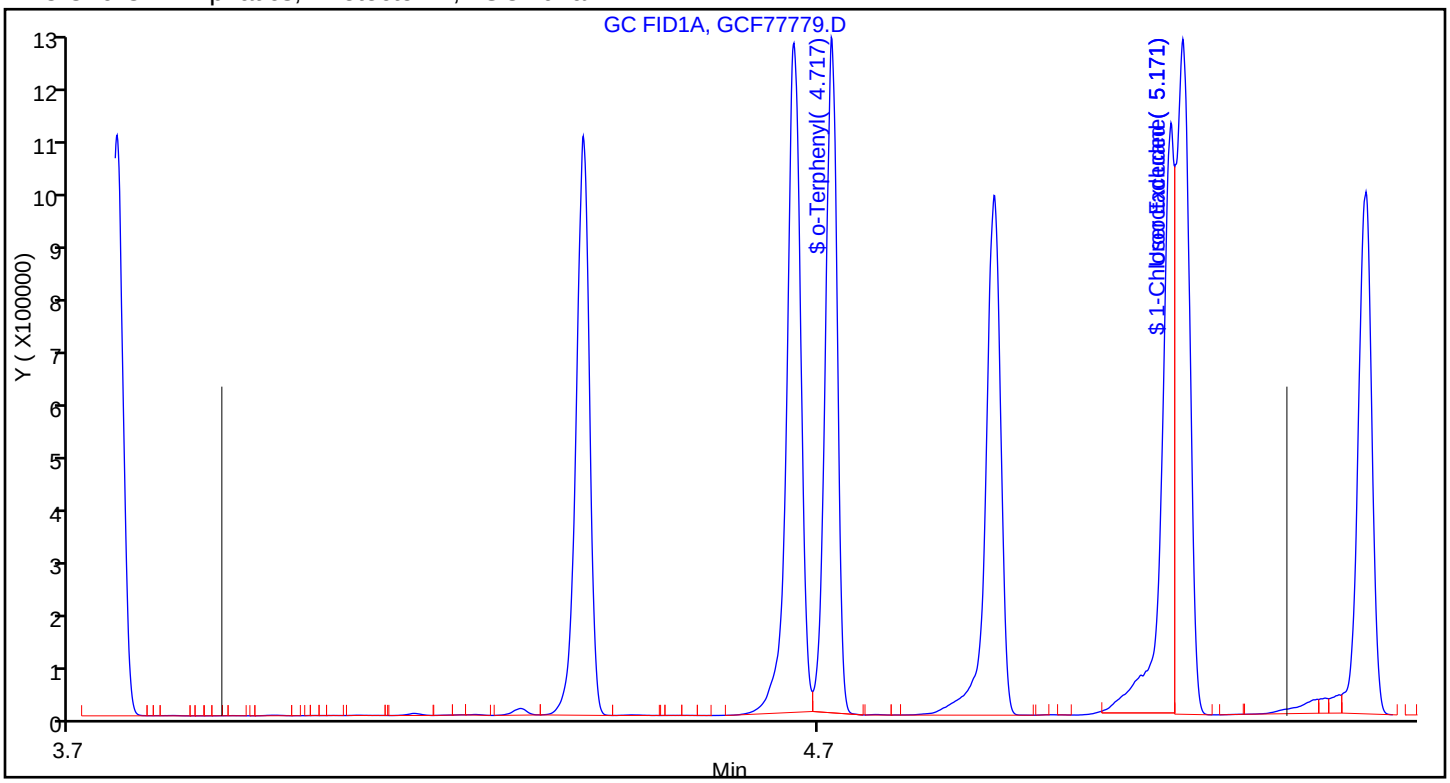
Report Date: 11-Jun-2013 08:17:04 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



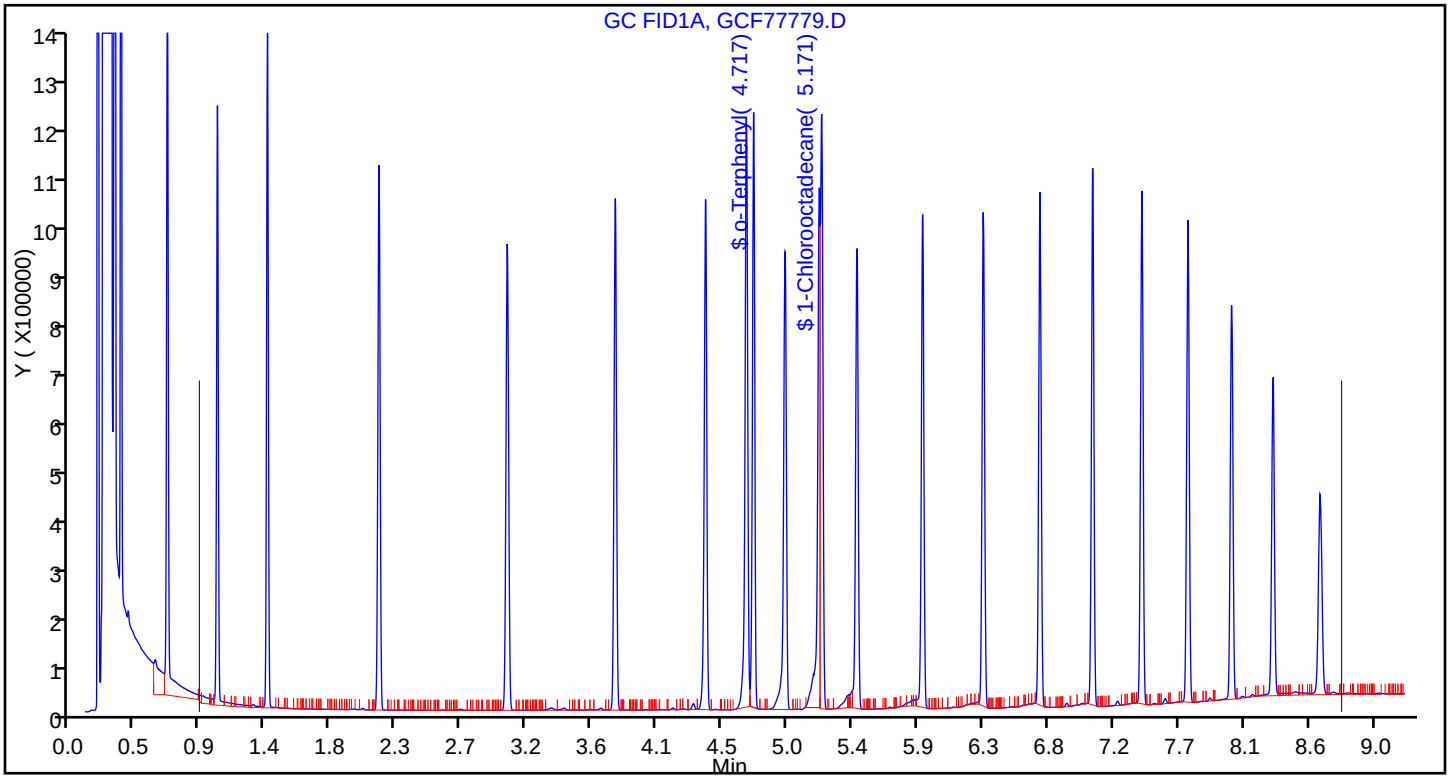
Report Date: 11-Jun-2013 08:17:04 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



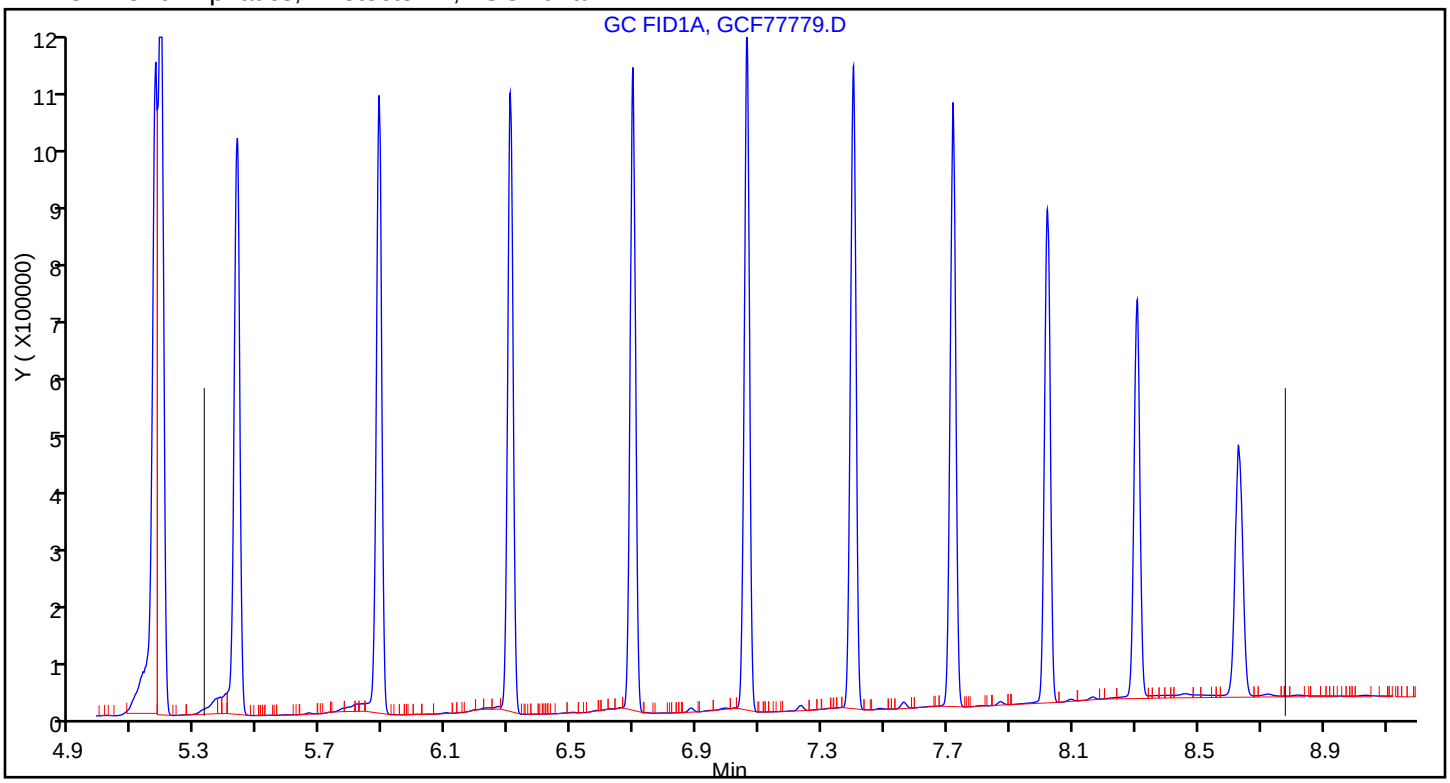
Report Date: 11-Jun-2013 08:17:04 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

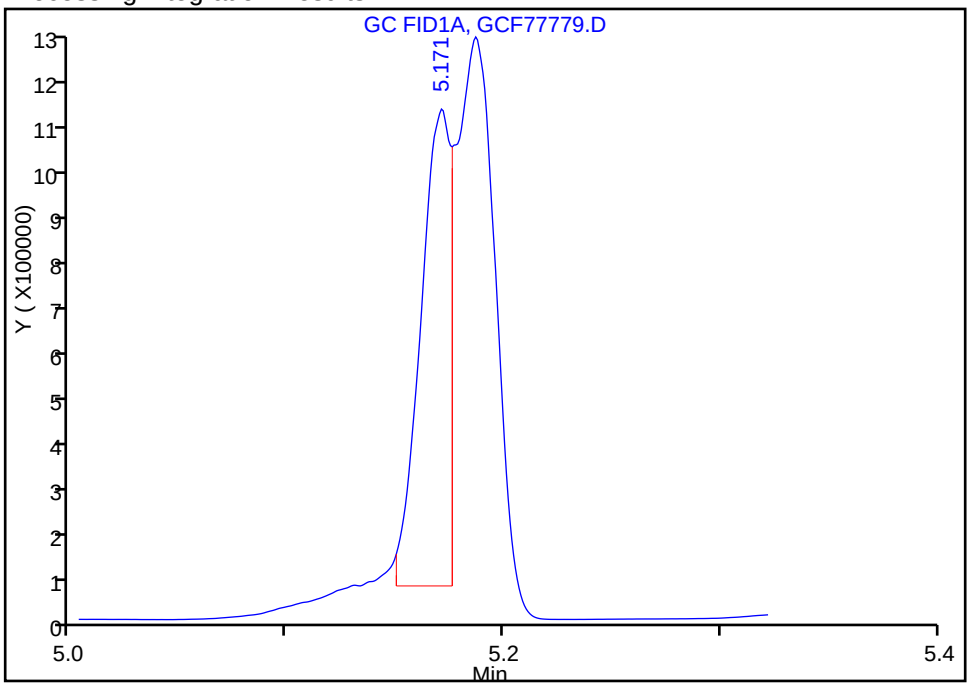
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77779.D		
Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.17

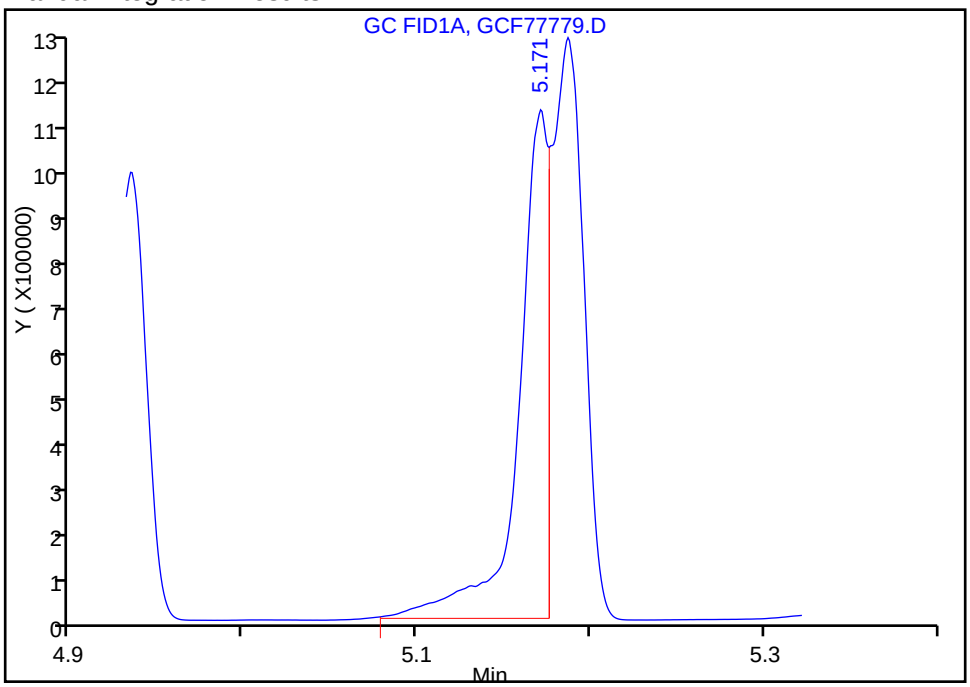
Processing Integration Results

RT: 5.17
Response: 908508
Amount: 39.915935



Manual Integration Results

RT: 5.17
Response: 1196645
Amount: 54.895830



Reviewer: nimerd, 11-Jun-2013 07:42:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D		
Lims ID:	std4	Client ID:	
Inject. Date:	10-Jun-2013 17:52:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	460-0001413-005		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	165013	Lims Sample ID:	5
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\ALEPH4F.m		
Last Update:	11-Jun-2013 08:17:04	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK007		
First Level Reviewer: nimerd		Date:	11-Jun-2013 07:55:08

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.013	1.013	0.0	1827332	0	
A 1 C9-C12 Aliphatics	1.588	0.888 - 2.288		6329544	268.1	
9 Dodecane	2.129	2.129	0.0	2210369	0	
A 2 C12-C16 Aliphatics	3.095	2.288 - 3.902		4619030	180.7	
10 Hexadecane	3.762	3.762	0.0	2305903	0	
A 3 C16-C21 Aliphatics	4.614	3.902 - 5.326		10134096	350.0	
$ 6 o-Terphenyl	4.717	4.717	0.0	2415728	91.3	
A 5 C9-C40	4.834	0.888 - 8.779		44620840	1729.0	M
$ 7 1-Chlorooctadecane	5.173	5.171	0.002	2411204	110.6	M
11 C21	5.188	5.187	0.001	2103065	0	
A 4 C21-C40 Aliphatics	7.053	5.326 - 8.779		21226053	886.1	
12 C40	8.632	8.629	0.003	1308722	0	

QC Flag Legend

Review Flags
M - Manually Integrated

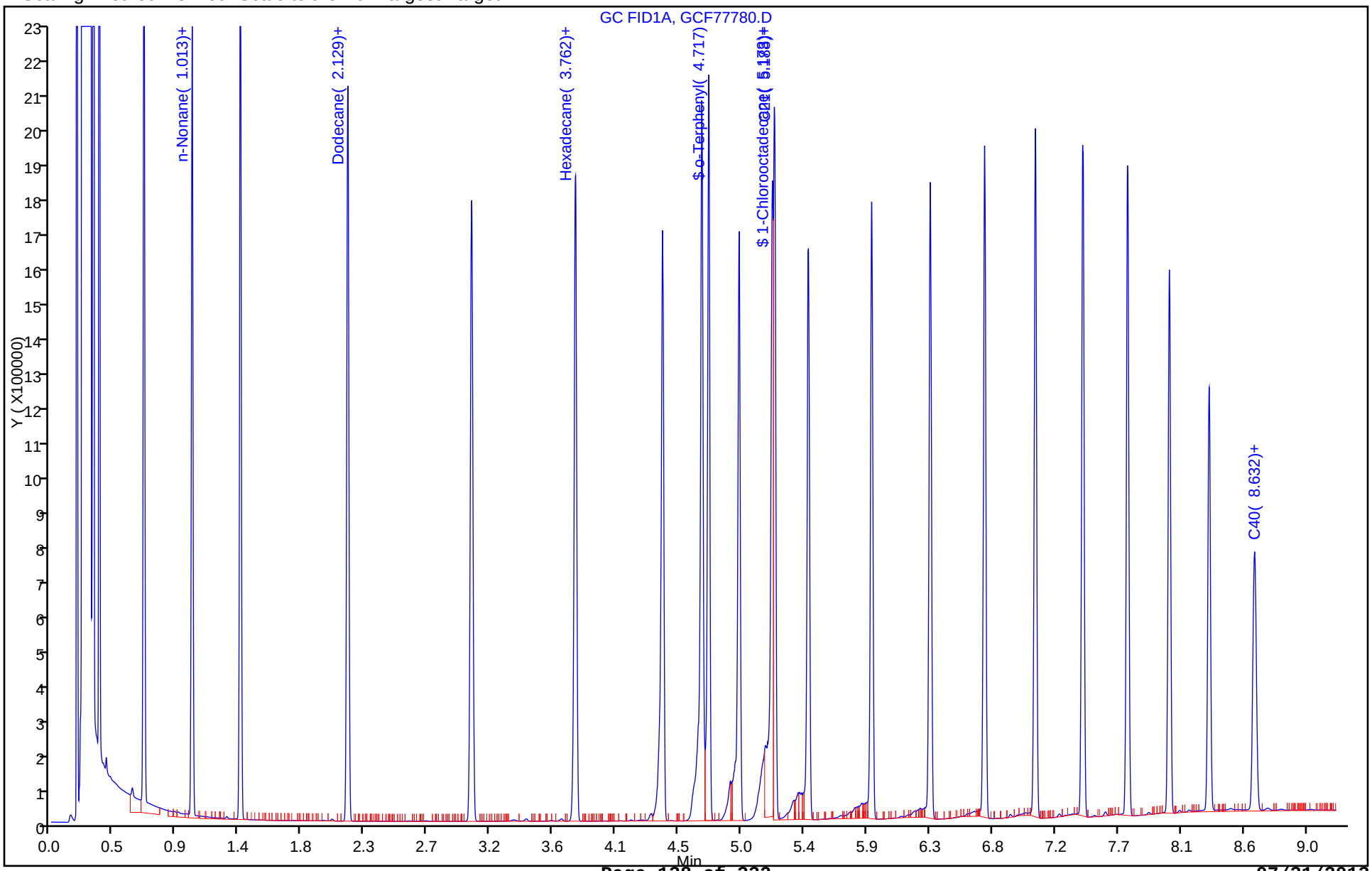
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



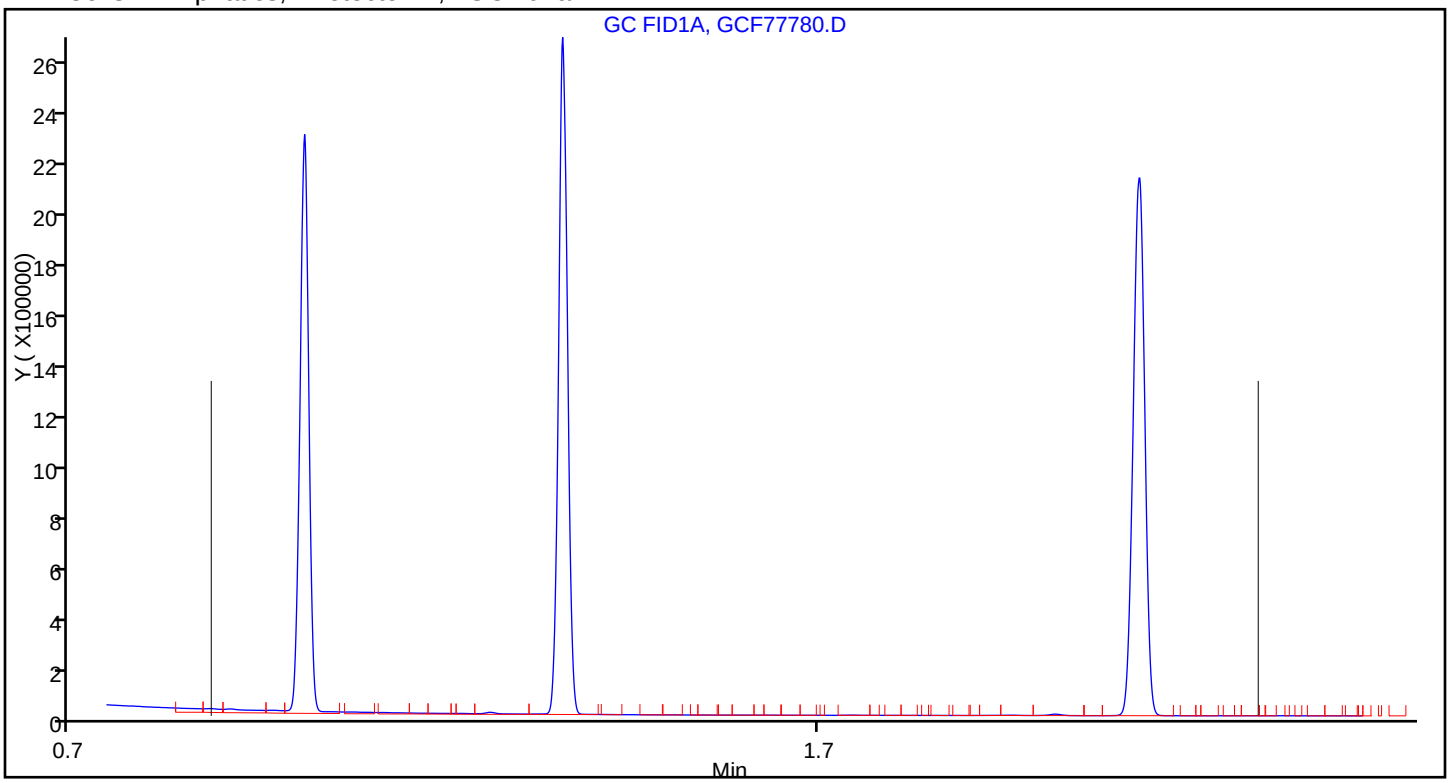
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



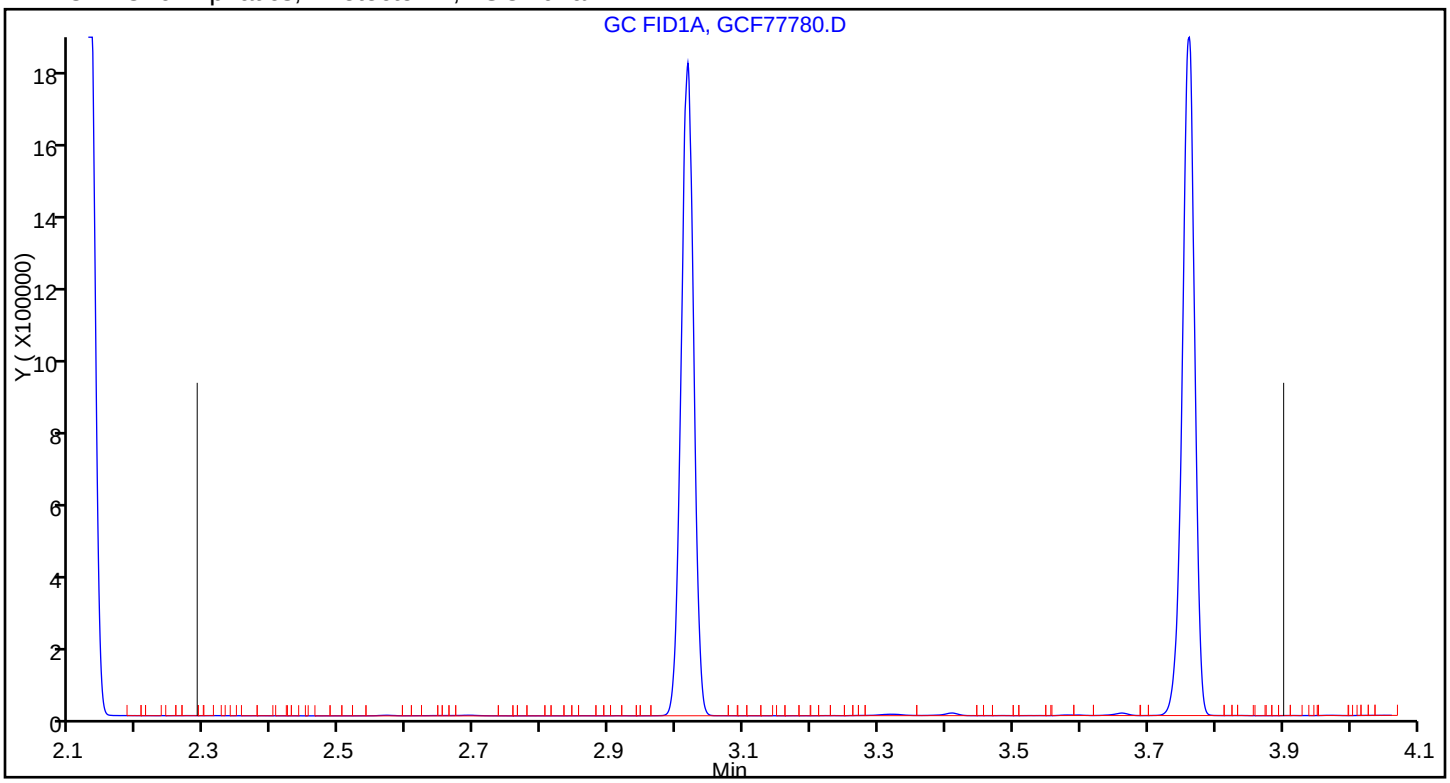
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



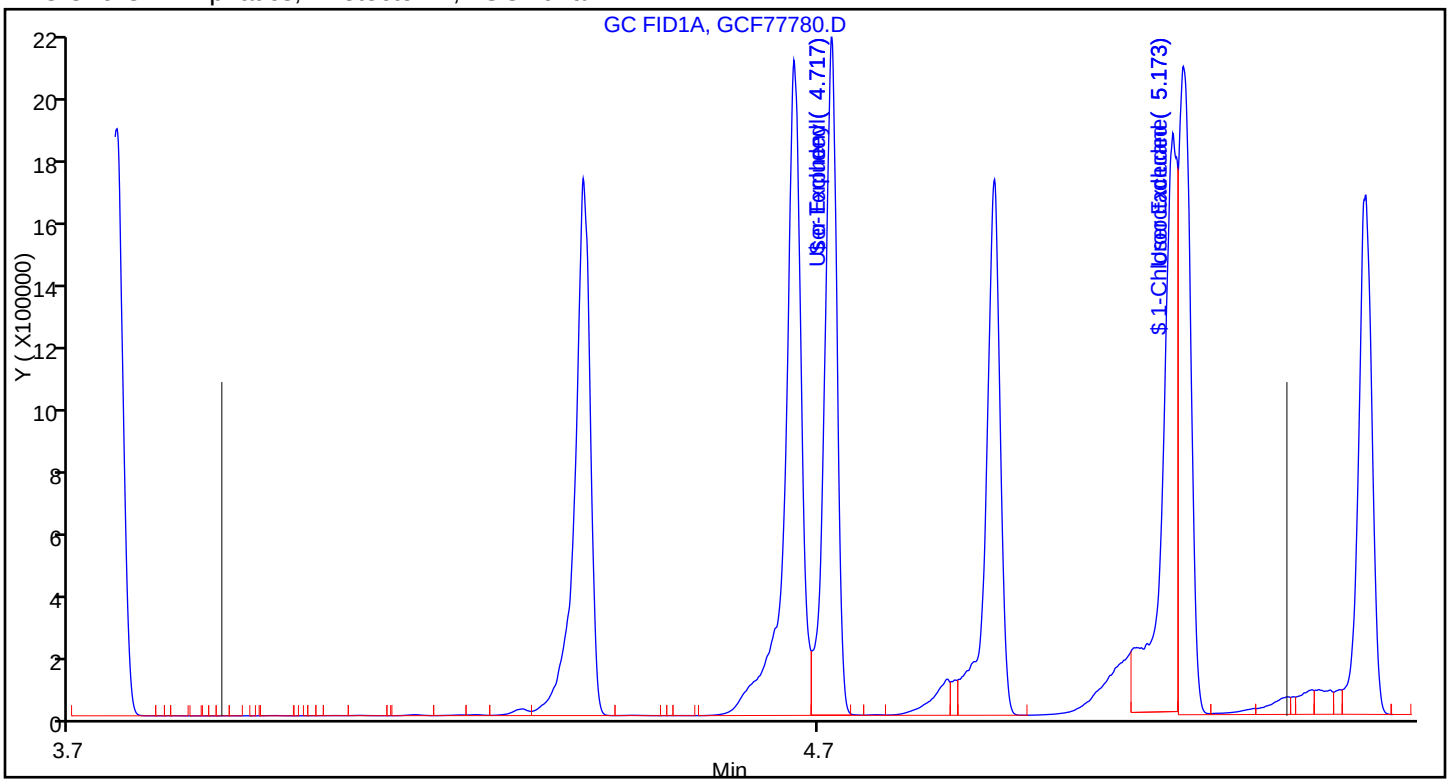
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



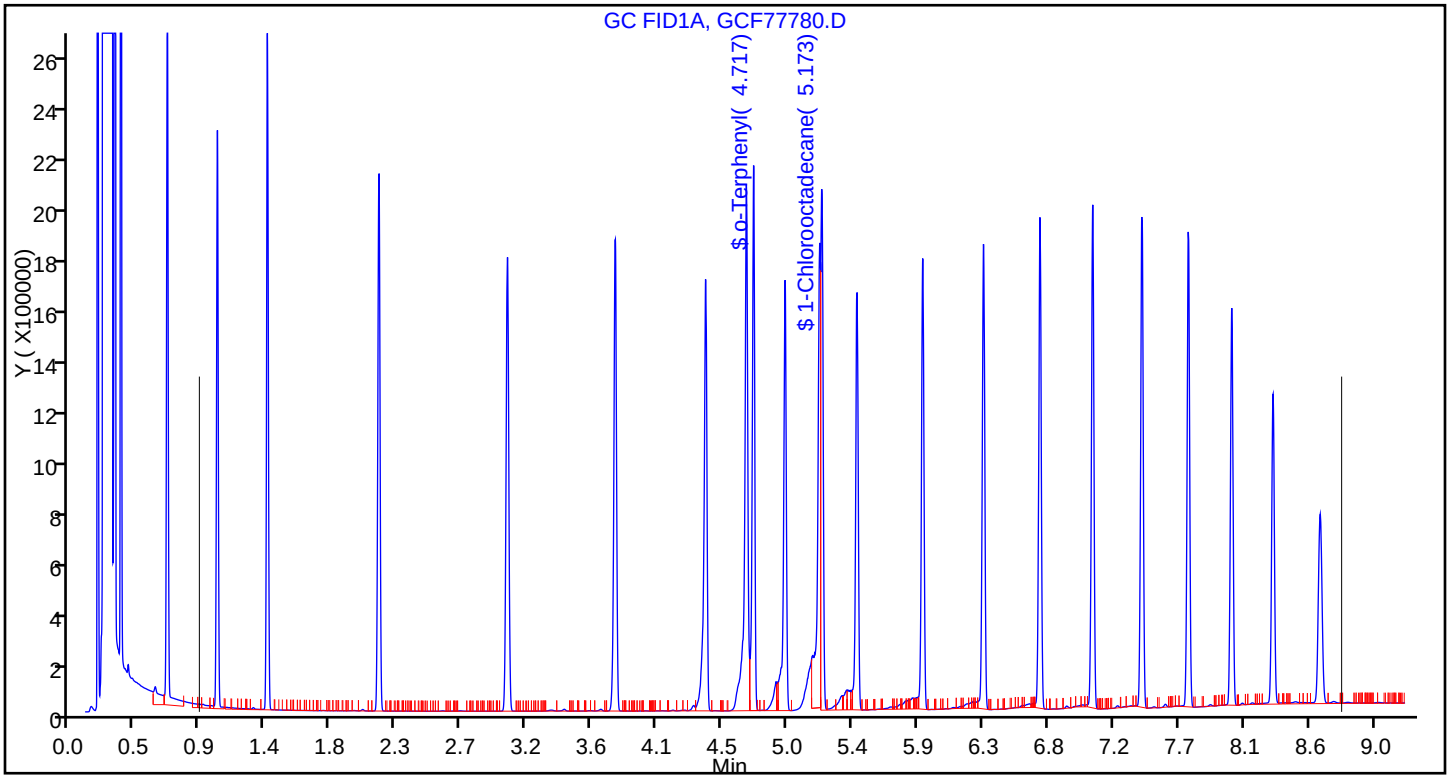
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



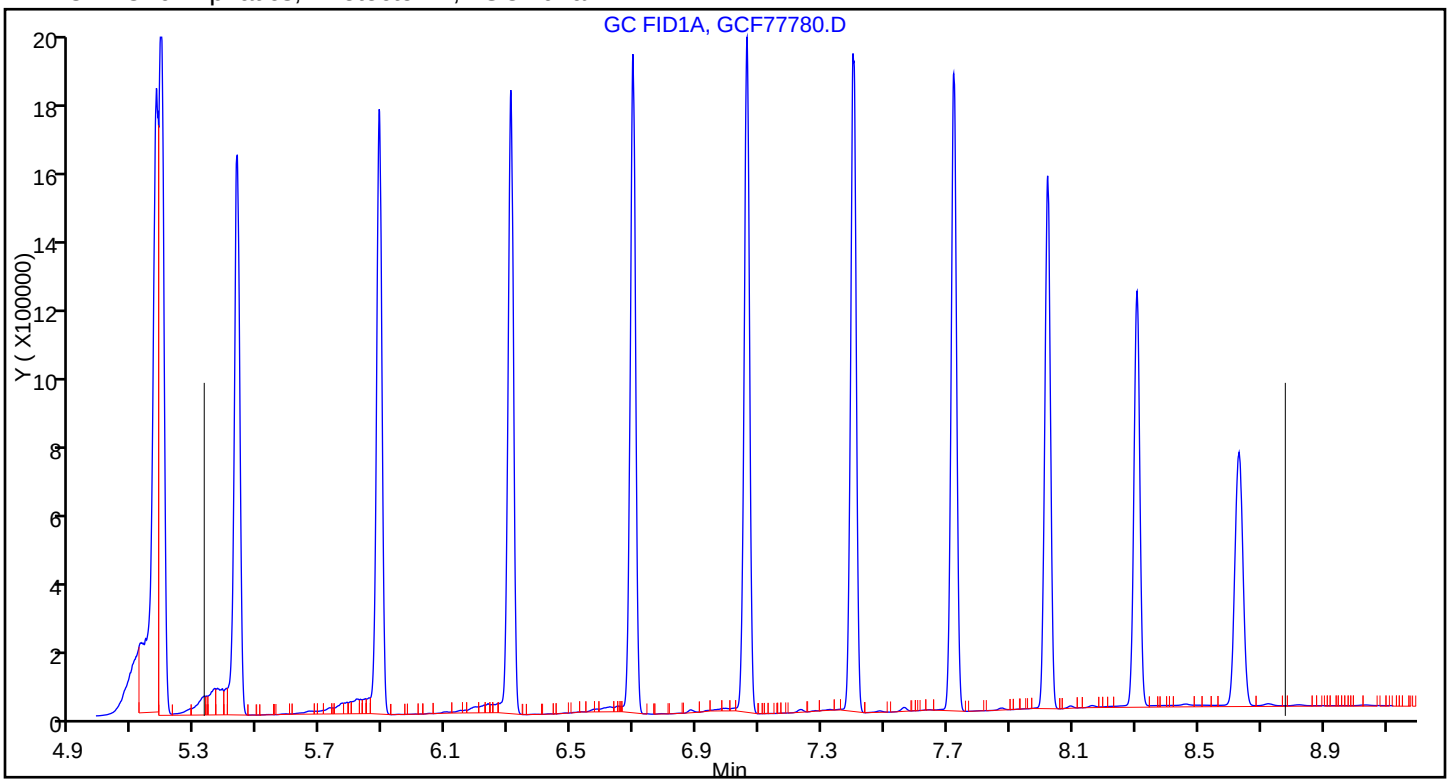
Report Date: 11-Jun-2013 08:17:05 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

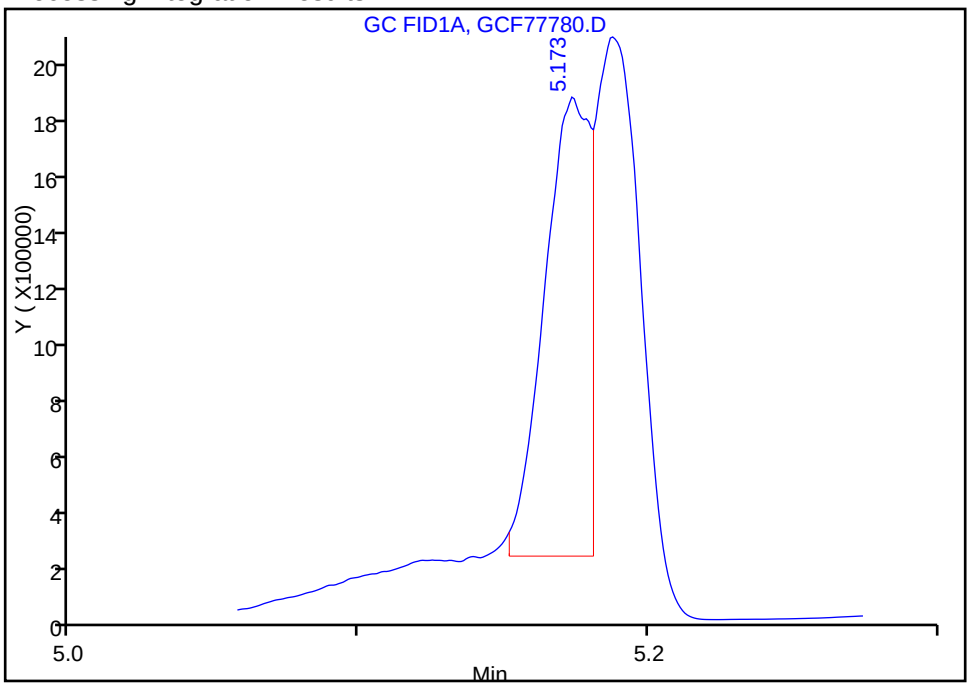
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77780.D		
Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.17

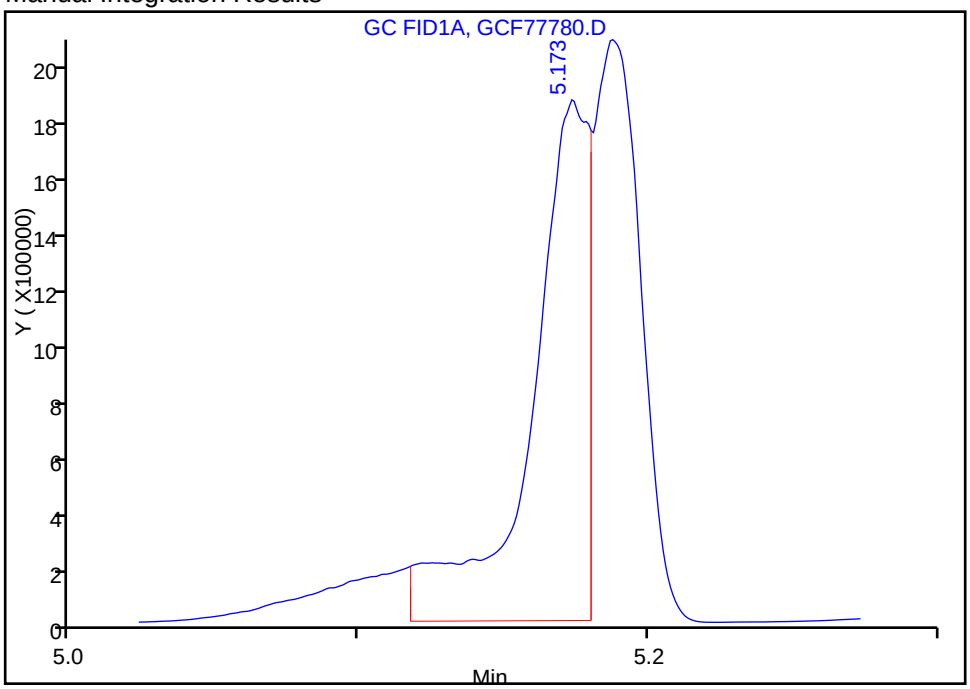
Processing Integration Results

RT: 5.17
Response: 1698936
Amount: 87.809740



Manual Integration Results

RT: 5.17
Response: 2411204
Amount: 110.6135



Reviewer: nimerd, 11-Jun-2013 07:55:08
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Lims ID:	std5	Client ID:	
Inject. Date:	10-Jun-2013 18:06:34	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	460-0001413-006		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	165013	Lims Sample ID:	6
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\ALEPH4F.m		
Last Update:	11-Jun-2013 08:17:09	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK007		
First Level Reviewer: nimerd		Date:	11-Jun-2013 08:14:30

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.015	1.013	0.002	3380318	0	
A 1 C9-C12 Aliphatics	1.588	0.888 - 2.288		11681539	494.8	
9 Dodecane	2.129	2.129	0.0	4170274	0	
A 2 C12-C16 Aliphatics	3.095	2.288 - 3.902		8689449	339.9	
10 Hexadecane	3.761	3.762	-0.001	4353805	0	
A 3 C16-C21 Aliphatics	4.614	3.902 - 5.326		21129780	729.7	
$ 6 o-Terphenyl	4.715	4.717	-0.002	4395257	166.2	
A 5 C9-C40	4.834	0.888 - 8.779		84871696	3288.7	M
$ 7 1-Chlorooctadecane	5.173	5.171	0.002	3670660	168.4	M
11 C21	5.188	5.187	0.001	4138824	0	
A 4 C21-C40 Aliphatics	7.053	5.326 - 8.779		39943034	1667.4	
12 C40	8.627	8.629	-0.002	2528865	0	

QC Flag Legend

Review Flags
M - Manually Integrated

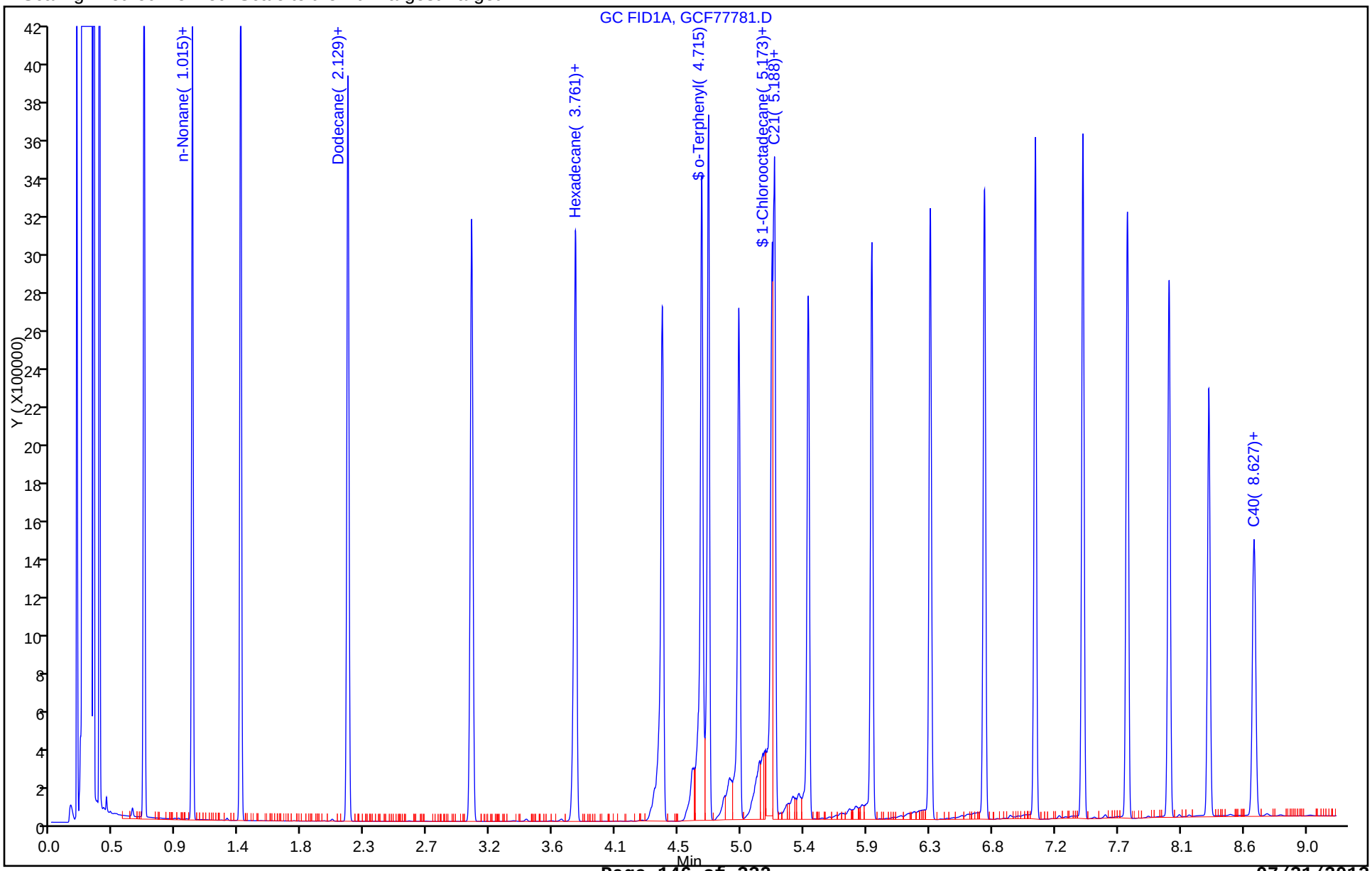
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



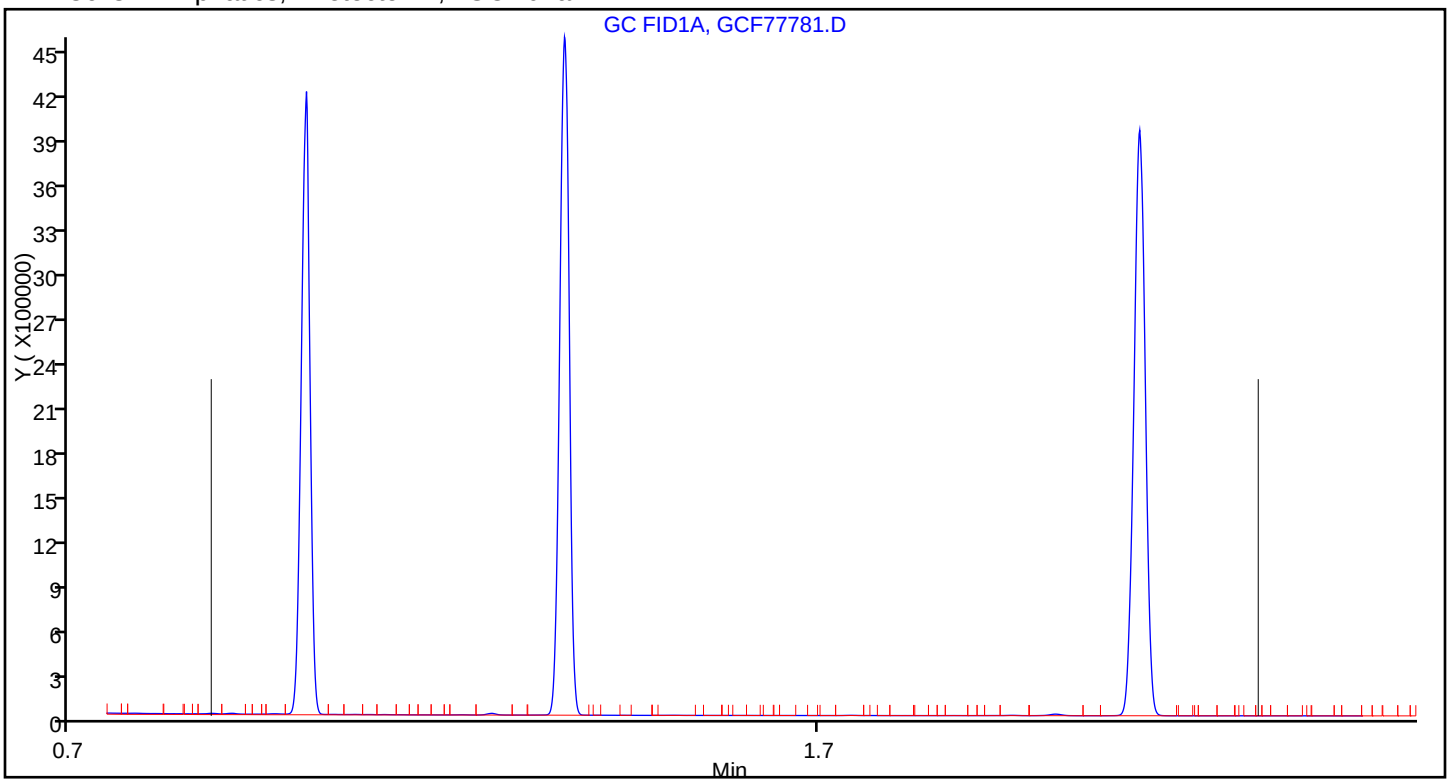
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



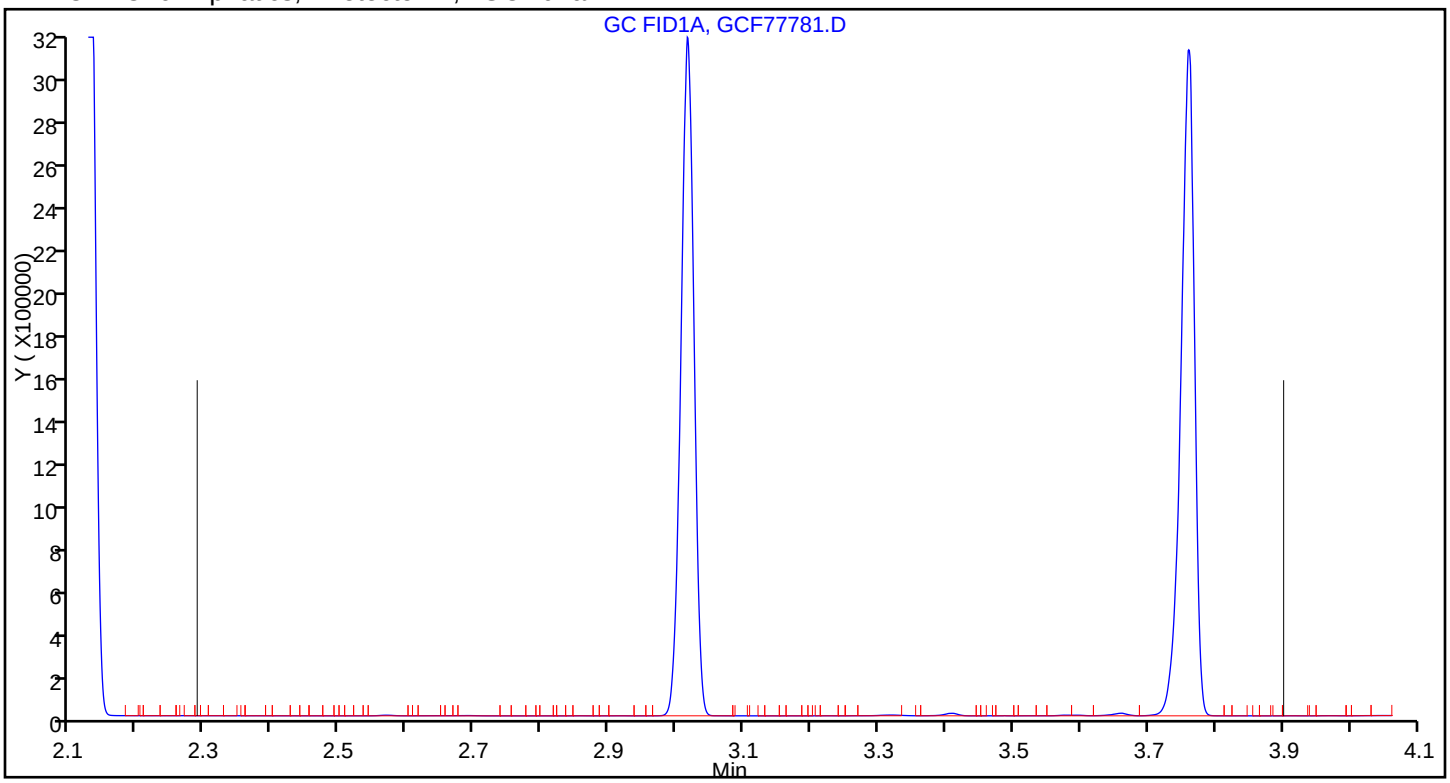
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



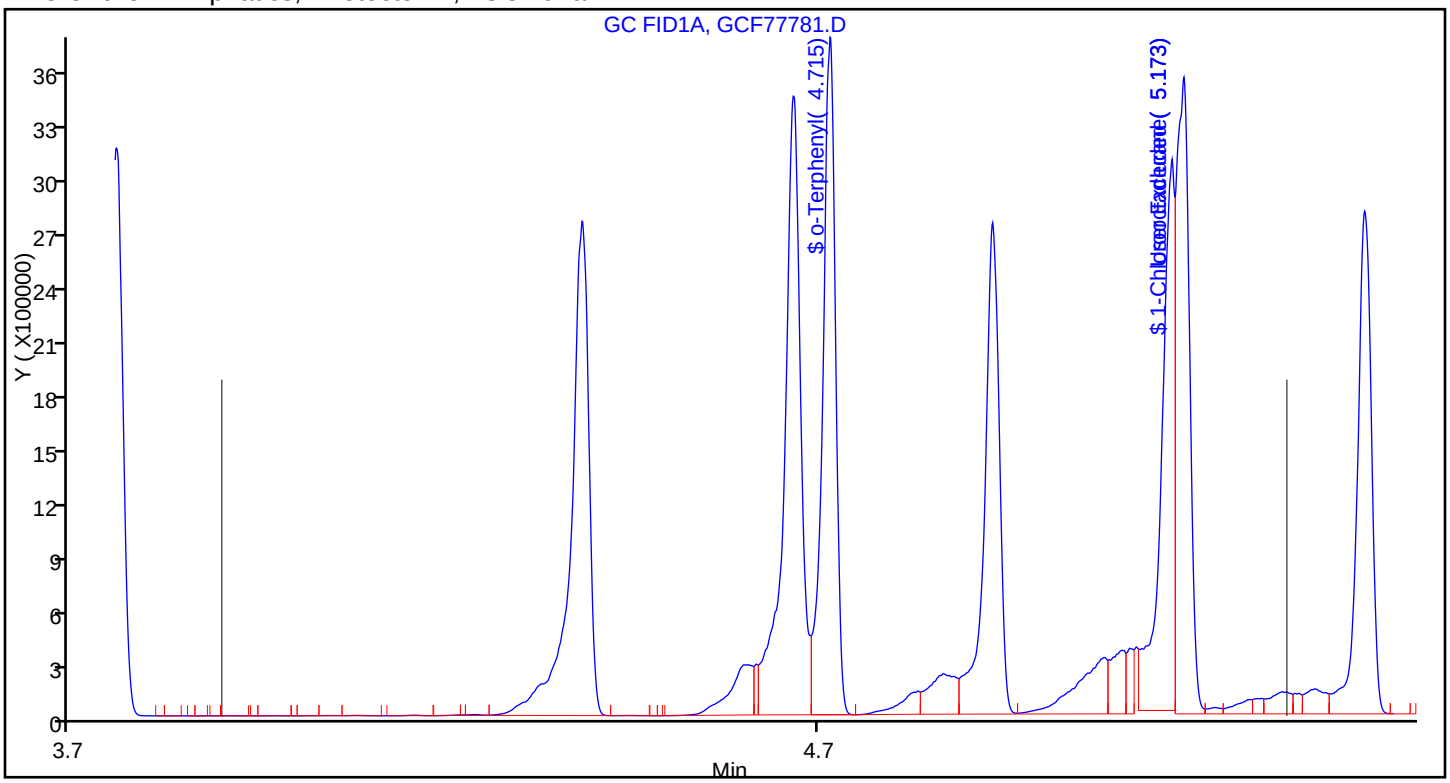
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



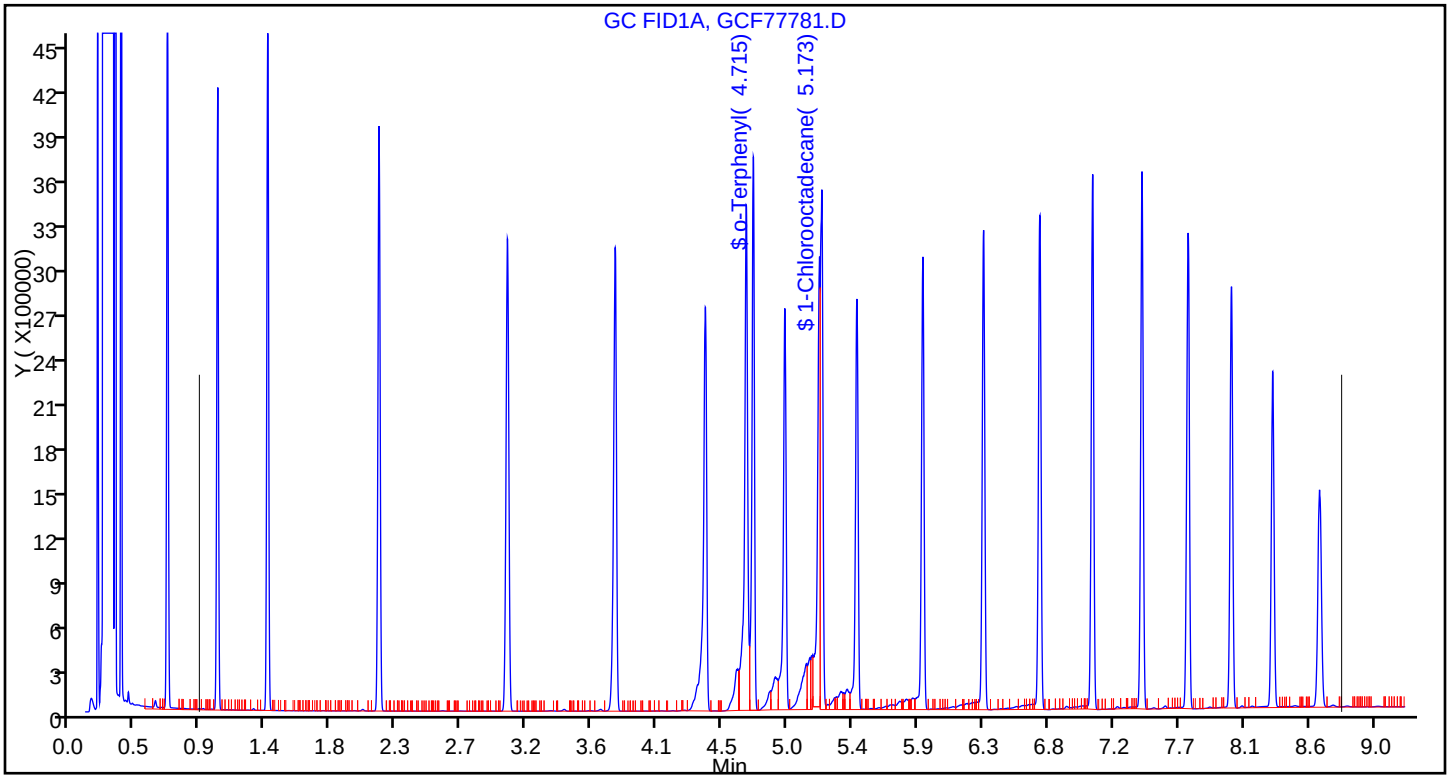
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



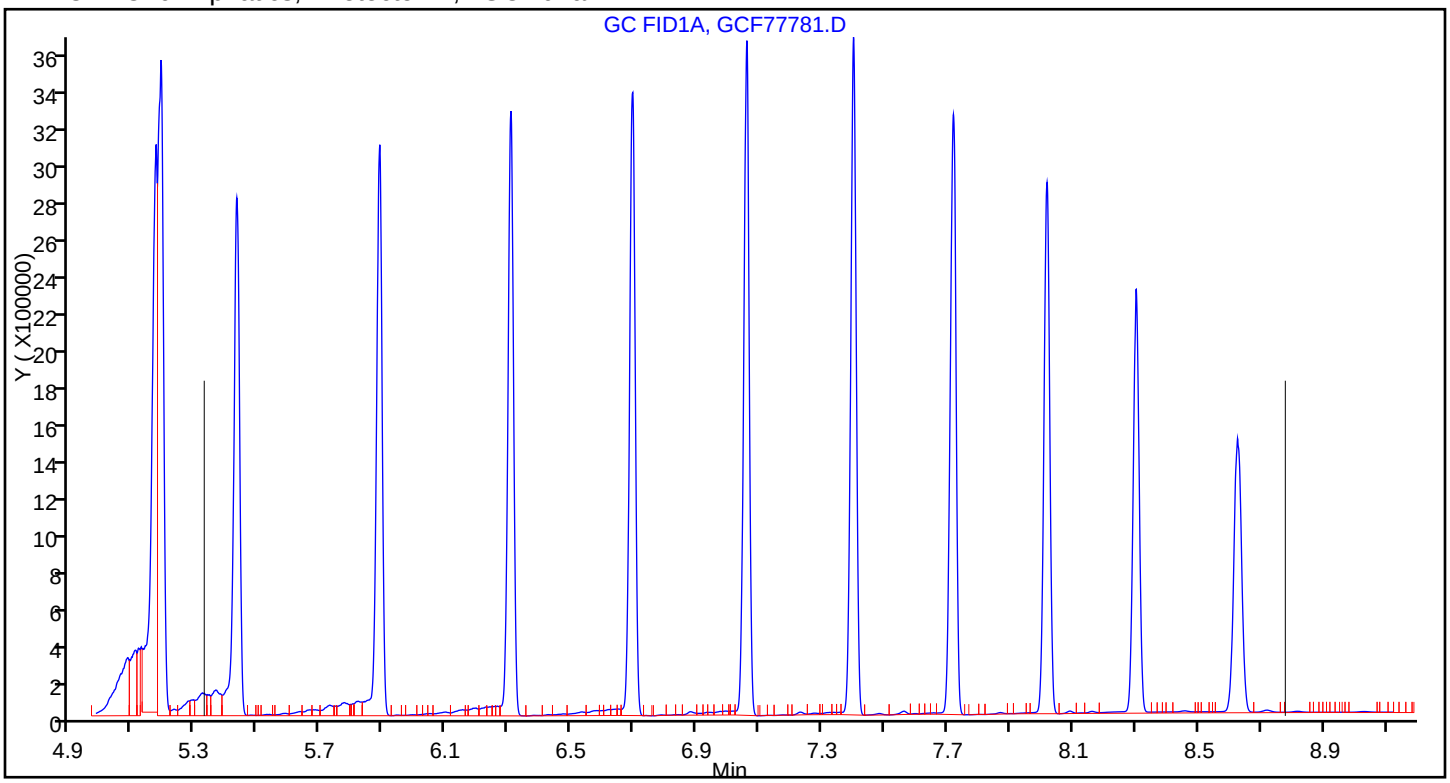
Report Date: 11-Jun-2013 08:17:09 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

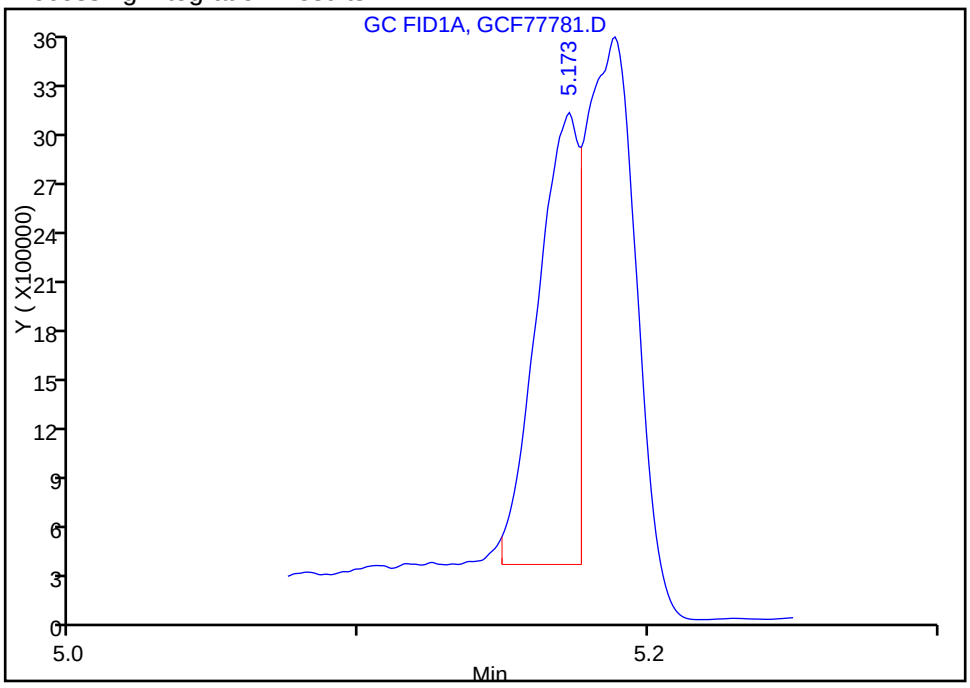
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165013	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.17

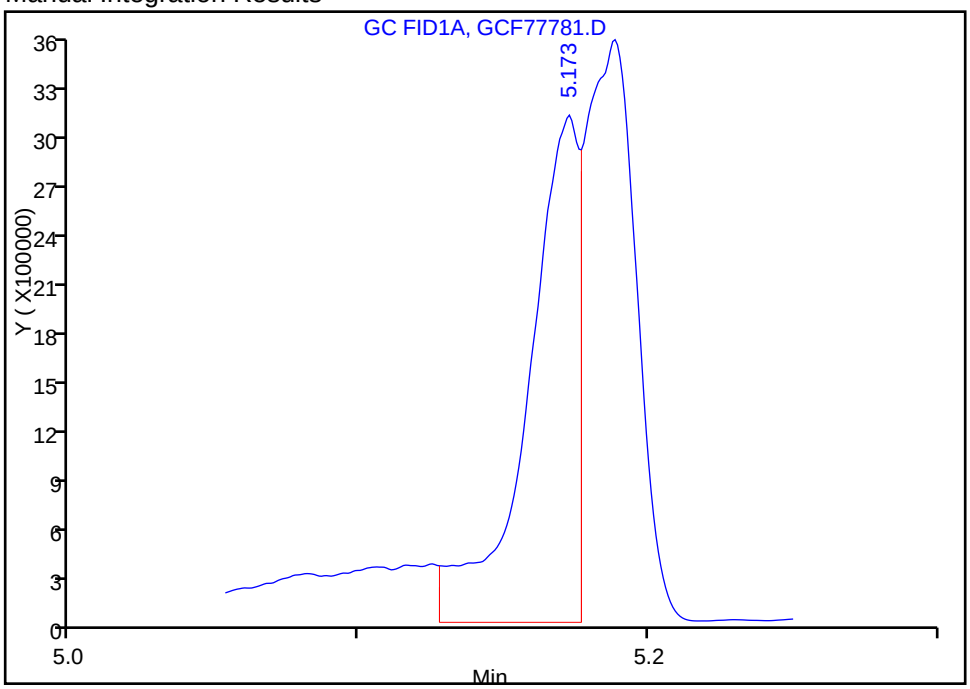
Processing Integration Results

RT: 5.17
Response: 2644650
Amount: 127.3152



Manual Integration Results

RT: 5.17
Response: 3670660
Amount: 168.3907



Reviewer: nimerd, 11-Jun-2013 08:06:11
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3 Analy Batch No.: 165014

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165014/2	GCR77271.D
Level 2	STD2 460-165014/3	GCR77272.D
Level 3	STD3 460-165014/4	GCR77273.D
Level 4	STD4 460-165014/5	GCR77274.D
Level 5	STD5 460-165014/6	GCR77275.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
C10-C12 Aromatics	1.742	1.742	1.742	1.742	1.742						1.284 - 2.199	1.742
C12-C16 Aromatics	2.830	2.830	2.830	2.830	2.830						2.199 - 3.461	2.830
C16-C21 Aromatics	4.408	4.408	4.408	4.408	4.408						3.461 - 5.354	4.408
C21-C36 Aromatic	6.506	6.506	6.506	6.506	6.506						5.354 - 7.658	6.506
2-Fluorobiphenyl	2.818	2.818	2.818	2.821	2.823						2.768 - 2.868	2.820
2-Bromonaphthalene	3.267	3.269	3.271	3.273	3.278						3.221 - 3.321	3.272
o-Terphenyl	4.602	4.601	4.601	4.603	4.603						4.551 - 4.651	4.602

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 200-17642-3 Analy Batch No.: 165014

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165014/2	GCR77271.D
Level 2	STD2 460-165014/3	GCR77272.D
Level 3	STD3 460-165014/4	GCR77273.D
Level 4	STD4 460-165014/5	GCR77274.D
Level 5	STD5 460-165014/6	GCR77275.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								
C10-C12 Aromatics	38067 37067	40801	37647	35707	Ave		37857.6870				4.9		25.0			
C12-C16 Aromatics	39690 37600	42068	38346	36298	Ave		38800.6733				5.7		25.0			
C16-C21 Aromatics	38959 37960	42191	38751	36749	Ave		38921.9950				5.2		25.0			
C21-C36 Aromatic	35915 35557	37101	35931	34463	Ave		35793.4523				2.6		25.0			
2-Fluorobiphenyl	61482 63233	68446	64335	60921	Ave		63683.3360				4.7		25.0			
2-Bromonaphthalene	39459 41025	44233	41764	39549	Ave		41206.0680				4.7		25.0			
o-Terphenyl	34879 34952	38561	35999	33857	Ave		35649.6870				5.0		25.0			

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 Edison Job No.: 200-17642-3 Analy Batch No.: 165014

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/10/2013 17:08 Calibration End Date: 06/10/2013 18:06 Calibration ID: 24489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-165014/2	GCR77271.D
Level 2	STD2 460-165014/3	GCR77272.D
Level 3	STD3 460-165014/4	GCR77273.D
Level 4	STD4 460-165014/5	GCR77274.D
Level 5	STD5 460-165014/6	GCR77275.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
C10-C12 Aromatics	Ave	571002	1224030	5647051	10712057	22240063	15.0	30.0	150	300	600
C12-C16 Aromatics	Ave	793800	1682736	7669299	14519259	30080259	20.0	40.0	200	400	800
C16-C21 Aromatics	Ave	1168772	2531486	11625155	22049285	45552180	30.0	60.0	300	600	1200
C21-C36 Aromatic	Ave	1616179	3339108	16169041	31016698	64002191	45.0	90.0	450	900	1800
2-Fluorobiphenyl	Ave	307408	684462	3216748	6092075	12646634	5.00	10.0	50.0	100	200
2-Bromonaphthalene	Ave	197296	442333	2088192	3954883	8205034	5.00	10.0	50.0	100	200
o-Terphenyl	Ave	174395	385611	1799946	3385718	6990447	5.00	10.0	50.0	100	200

Curve Type Legend:
Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D		
Lims ID:	std1	Client ID:	
Inject. Date:	10-Jun-2013 17:08:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	460-0001416-002		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	165014	Lims Sample ID:	2
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\AREPH4R.m		
Last Update:	11-Jun-2013 08:31:16	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

First Level Reviewer: nimerd Date: 11-Jun-2013 08:26:08

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.411	1.413	-0.002	174231	5.00	
A	2 C10-C12 Aromatics					
	1.742	1.284 - 2.199		571002	15.1	
	12 Naphthalene					
	2.042	2.043	-0.001	363096	5.00	
$	3 2-Fluorobiphenyl					
	2.818	2.818	0.0	307408	4.83	
A	4 C12-C16 Aromatics					
	2.830	2.199 - 3.461		793800	20.5	
$	5 2-Bromonaphthalene					
	3.267	3.271	-0.004	197296	4.79	
	6 Acenaphthene					
	3.314	3.315	-0.001	368573	5.00	
A	7 C16-C21 Aromatics					
	4.408	3.461 - 5.354		1168772	30.0	
$	8 o-Terphenyl					
	4.602	4.601	0.001	174395	4.89	
	9 Pyrene					
	5.224	5.225	-0.001	374294	5.00	
A	10 C21-C36 Aromatic					
	6.506	5.354 - 7.658		1616179	45.2	
	11 Benzo[g,h,i]perylene					
	7.528	7.535	-0.007	351333	5.00	

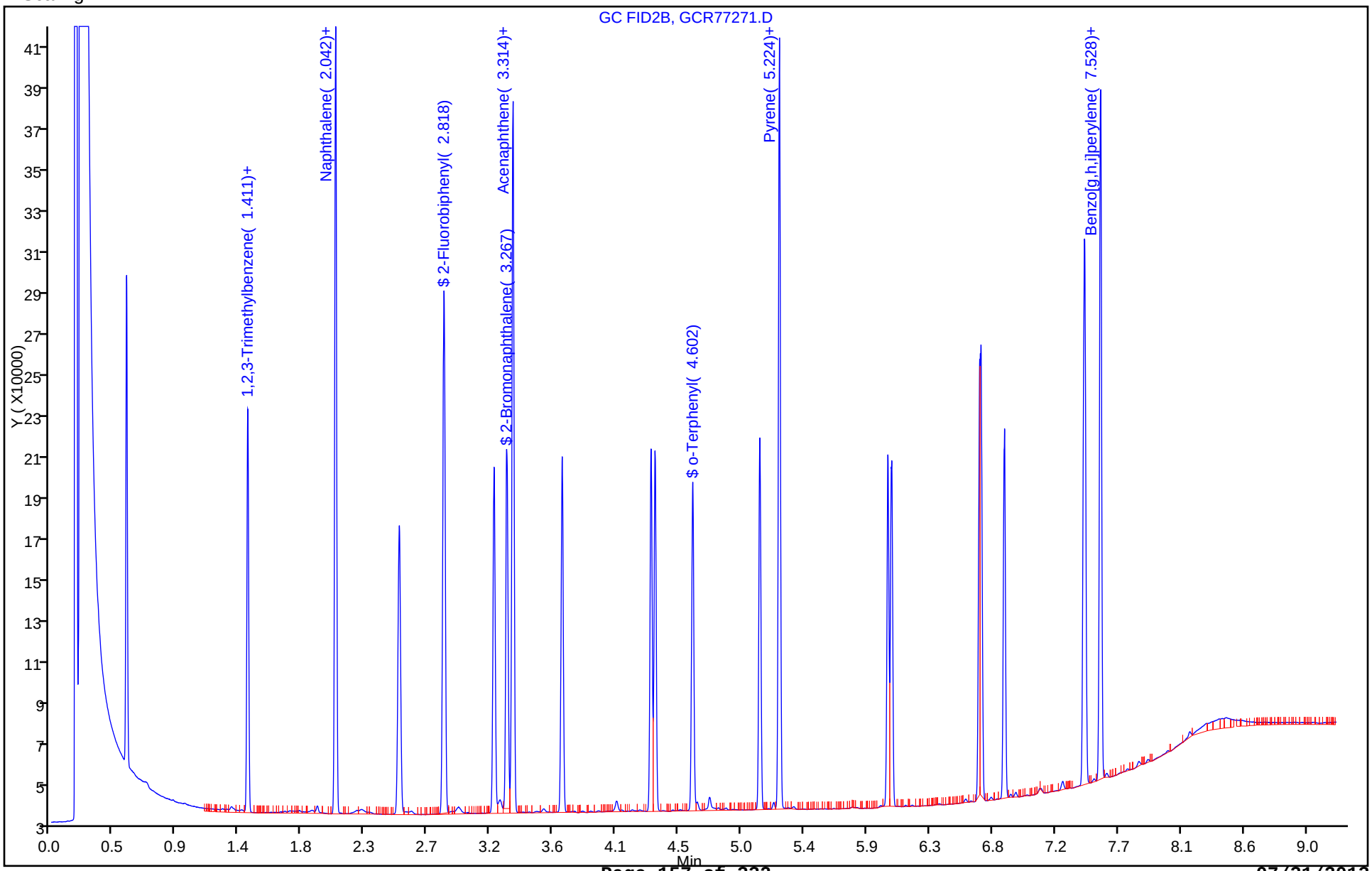
Report Date: 11-Jun-2013 08:31:16 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



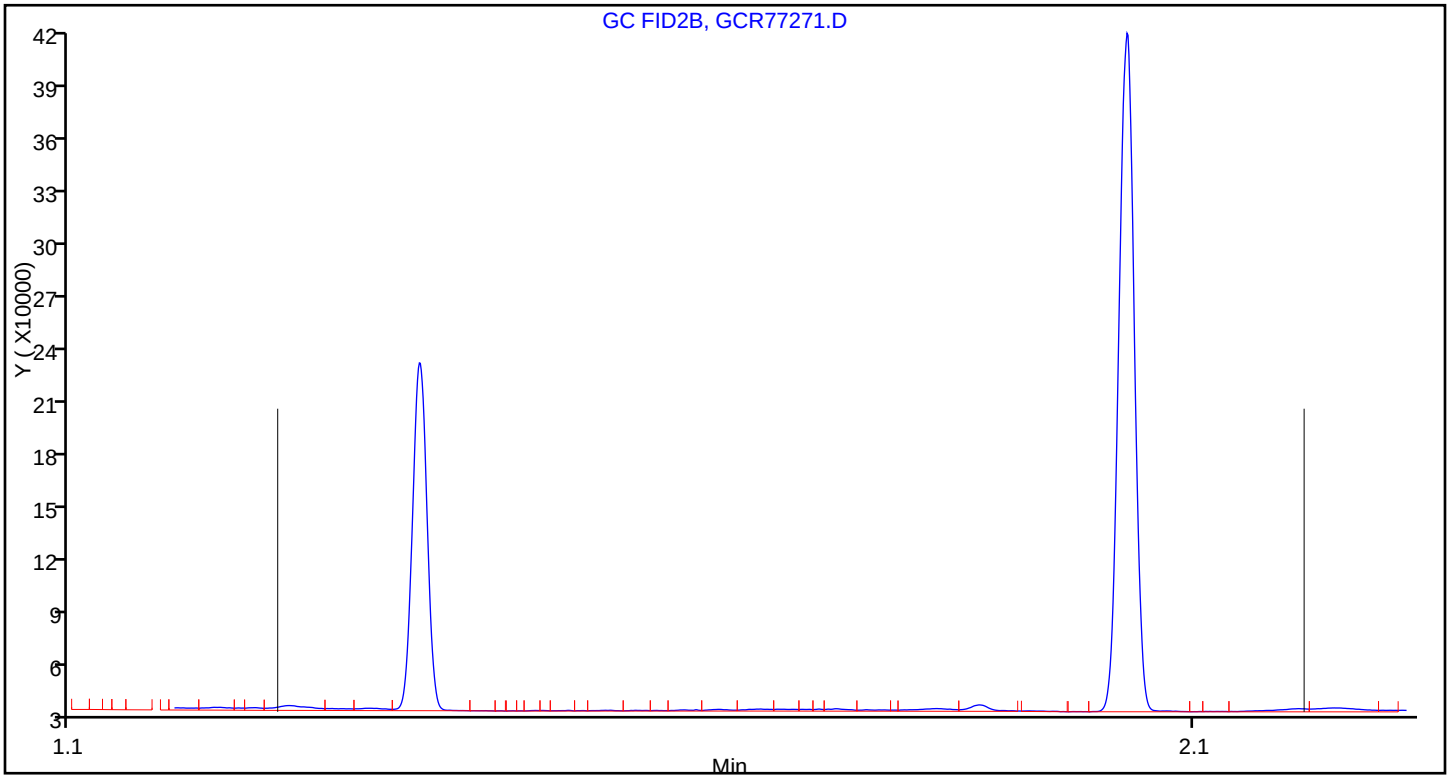
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



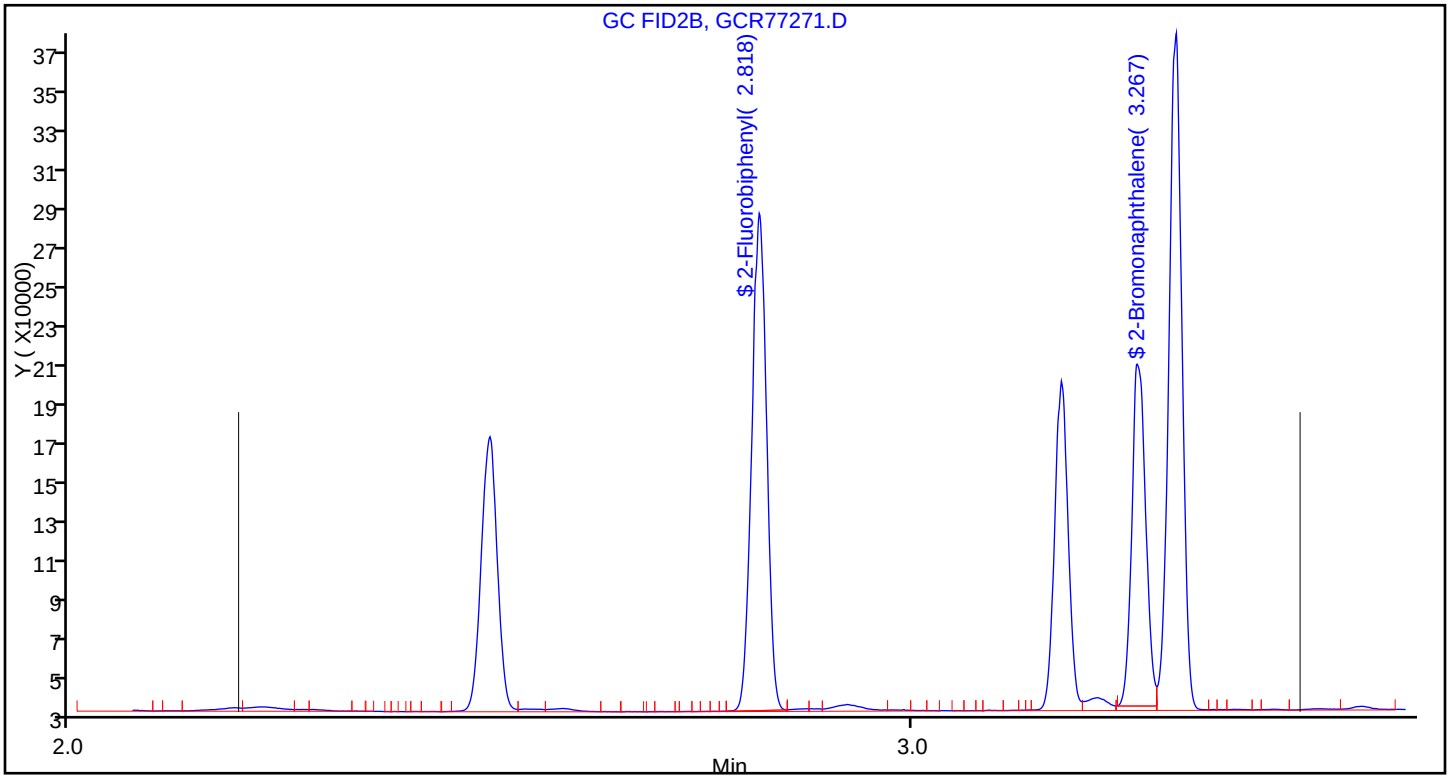
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



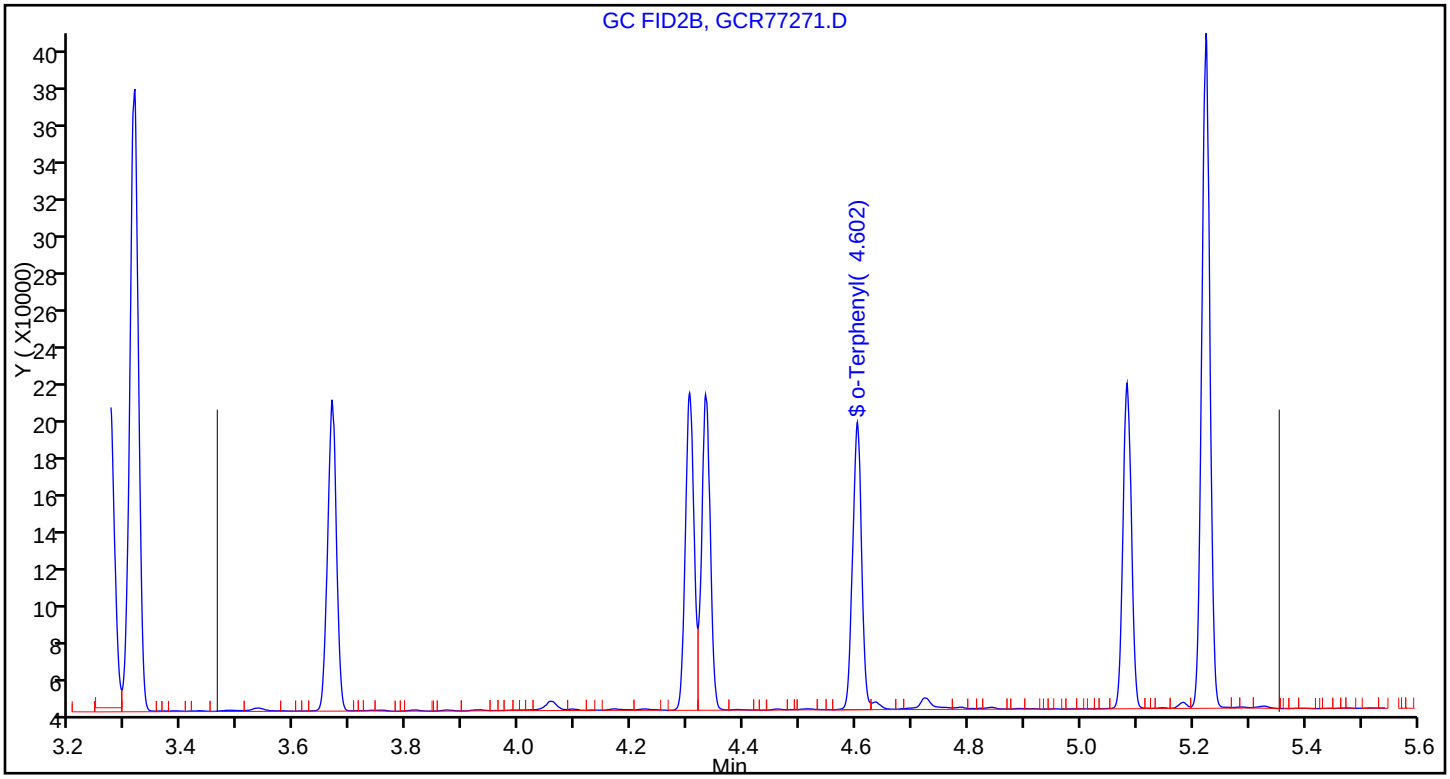
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D

Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

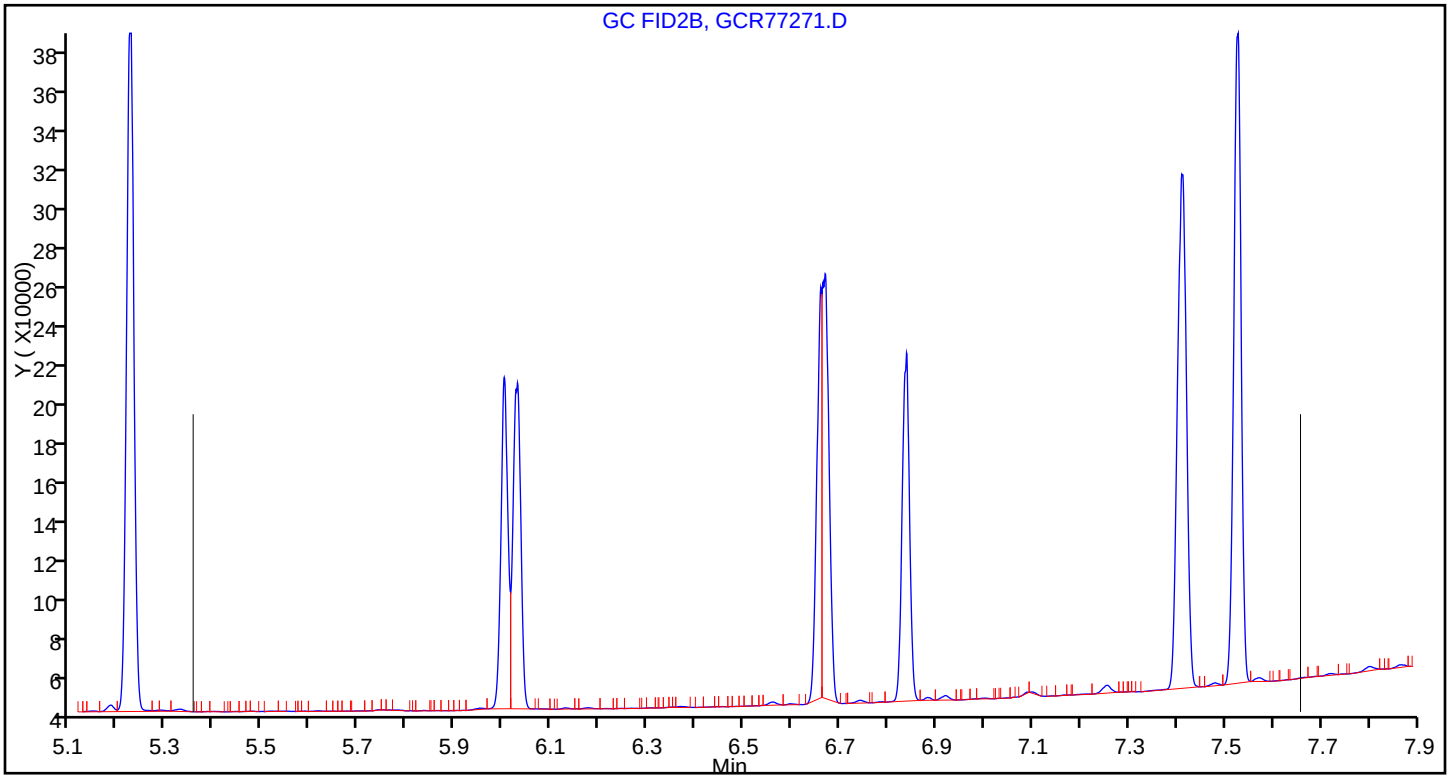


Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77271.D		
Injection Date:	10-Jun-2013 17:08:45	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D		
Lims ID:	std2	Client ID:	
Inject. Date:	10-Jun-2013 17:23:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	460-0001416-003		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	56
Lims Batch ID:	165014	Lims Sample ID:	3
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\AREPH4R.m		
Last Update:	11-Jun-2013 08:31:17	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
1 1,2,3-Trimethylbenzene					
1.412	1.413	-0.001	385672	10.0	
A 2 C10-C12 Aromatics					
1.742	1.284 - 2.199		1224030	32.3	
12 Naphthalene					
2.041	2.043	-0.002	806096	10.0	
$ 3 2-Fluorobiphenyl					
2.818	2.818	0.0	684462	10.7	
A 4 C12-C16 Aromatics					
2.830	2.199 - 3.461		1682736	43.4	
$ 5 2-Bromonaphthalene					
3.269	3.271	-0.002	442333	10.7	
6 Acenaphthene					
3.313	3.315	-0.002	816529	10.0	
A 7 C16-C21 Aromatics					
4.408	3.461 - 5.354		2531486	65.0	
$ 8 o-Terphenyl					
4.601	4.601	0.0	385611	10.8	
9 Pyrene					
5.224	5.225	-0.001	822664	10.0	
A 10 C21-C36 Aromatic					
6.506	5.354 - 7.658		3339108	93.3	
11 Benzo[g,h,i]perylene					
7.528	7.535	-0.007	784809	10.0	

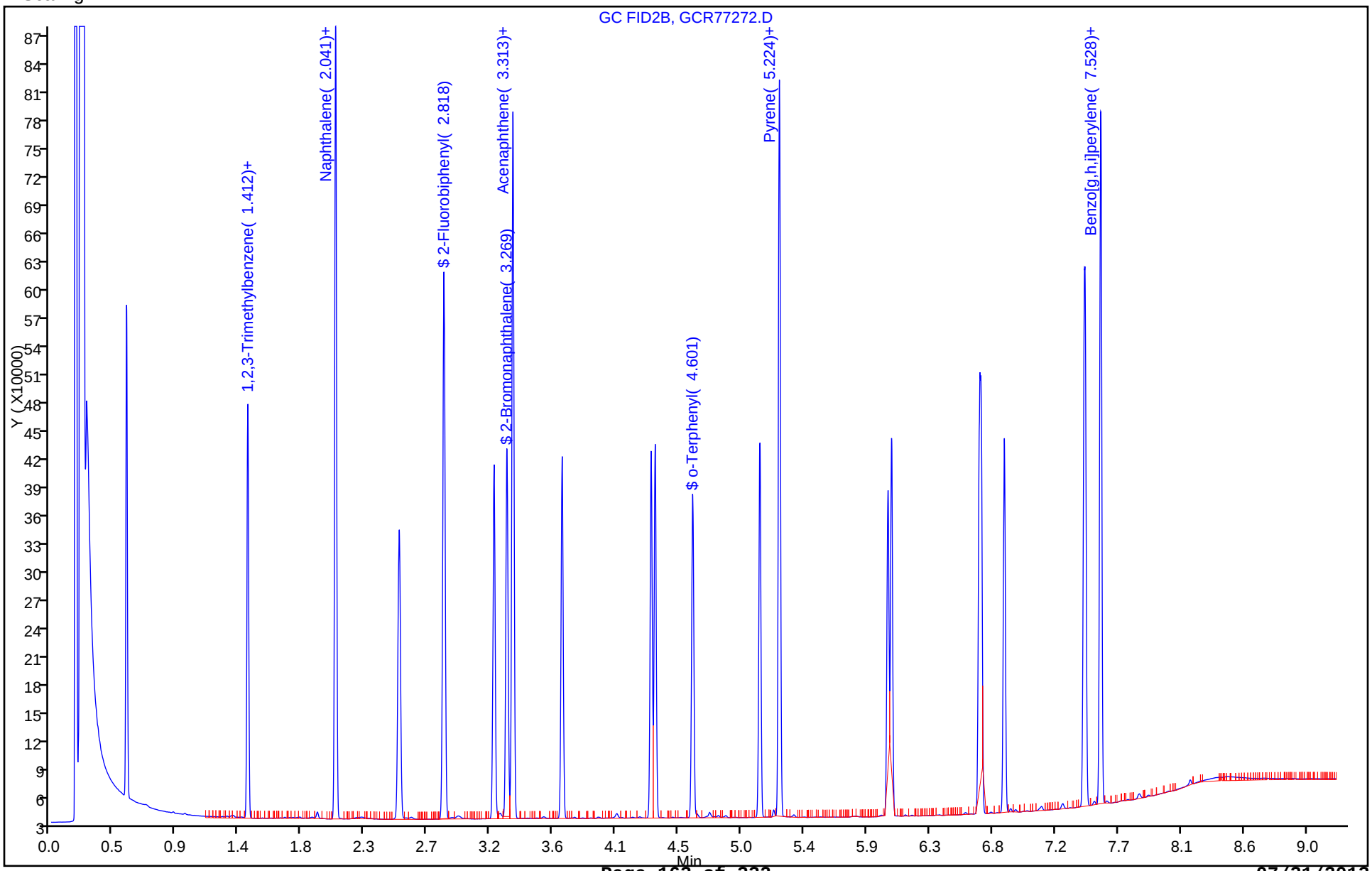
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



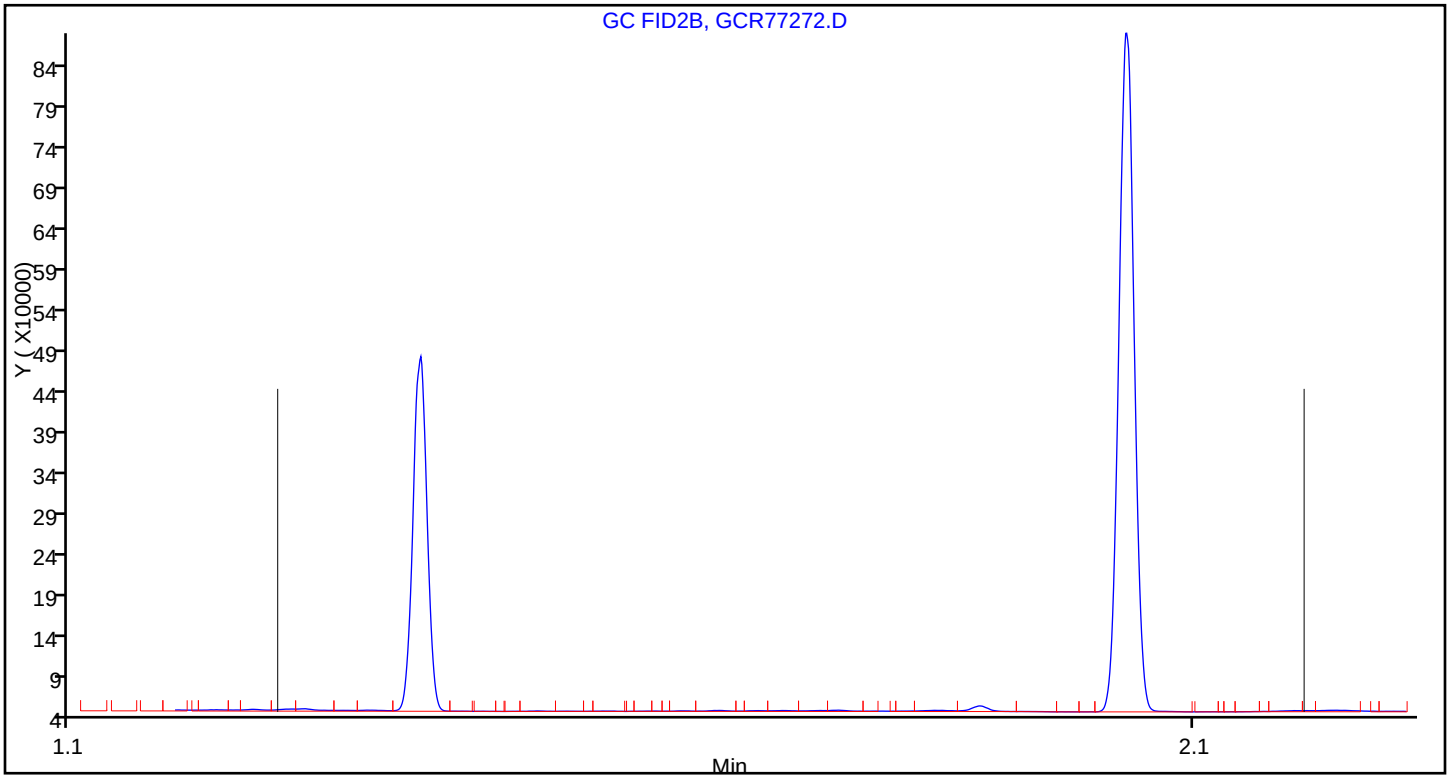
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



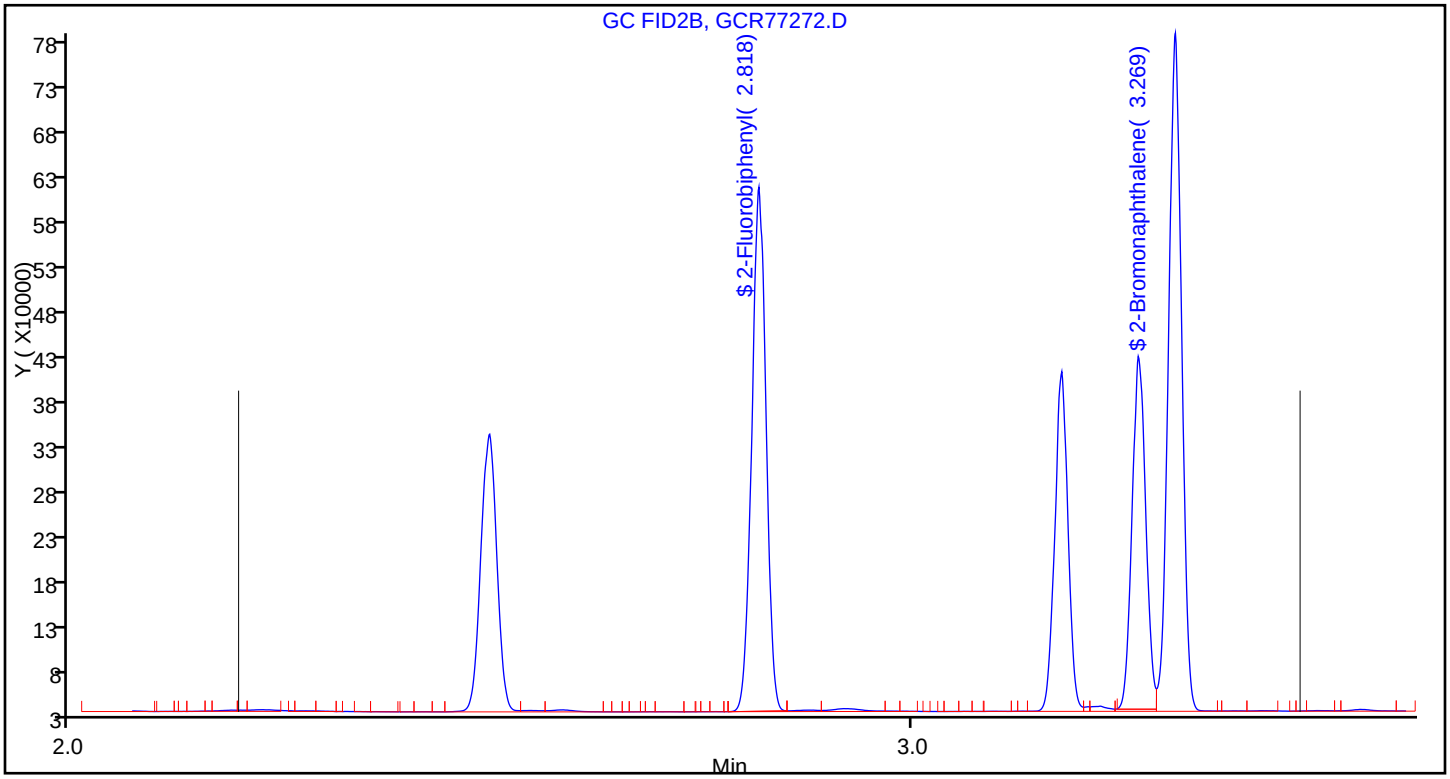
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



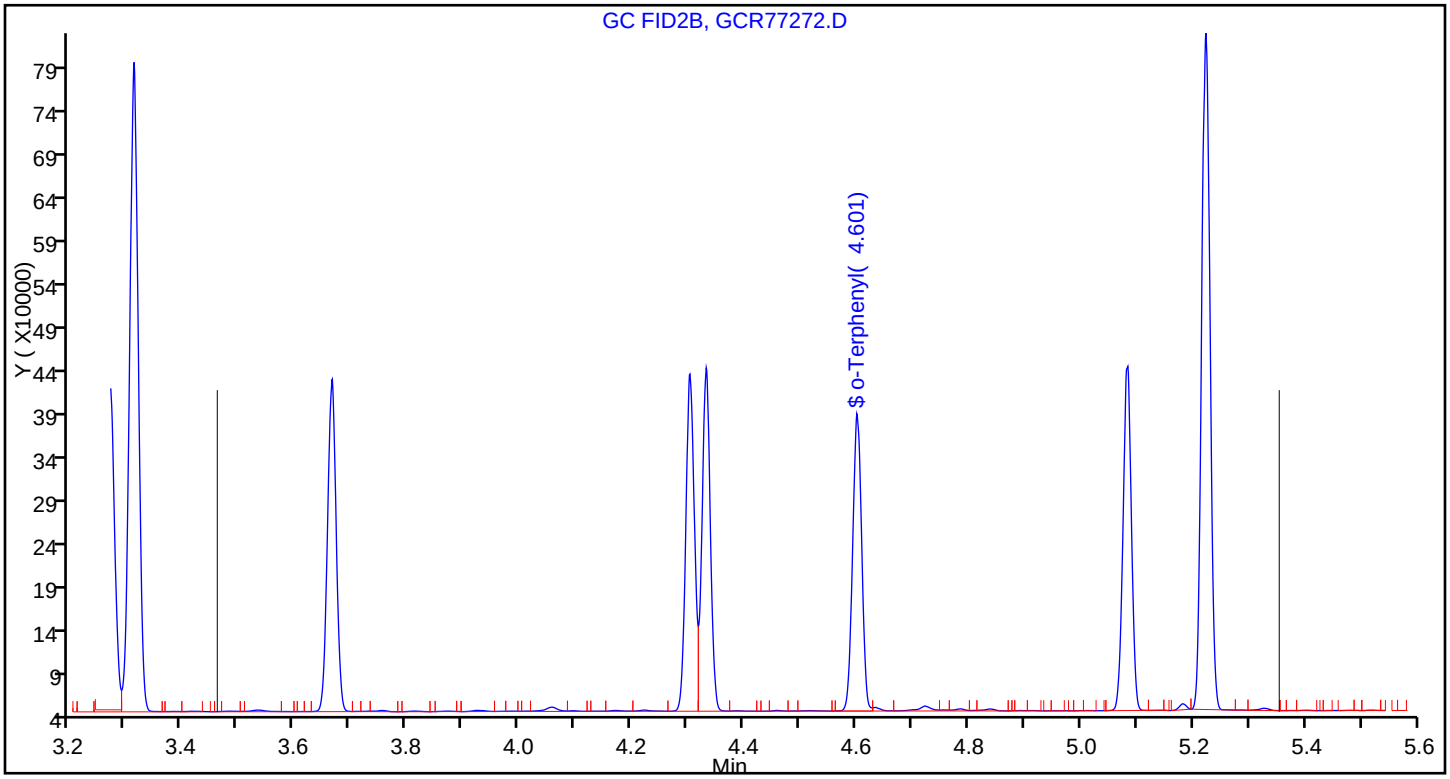
Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D

Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

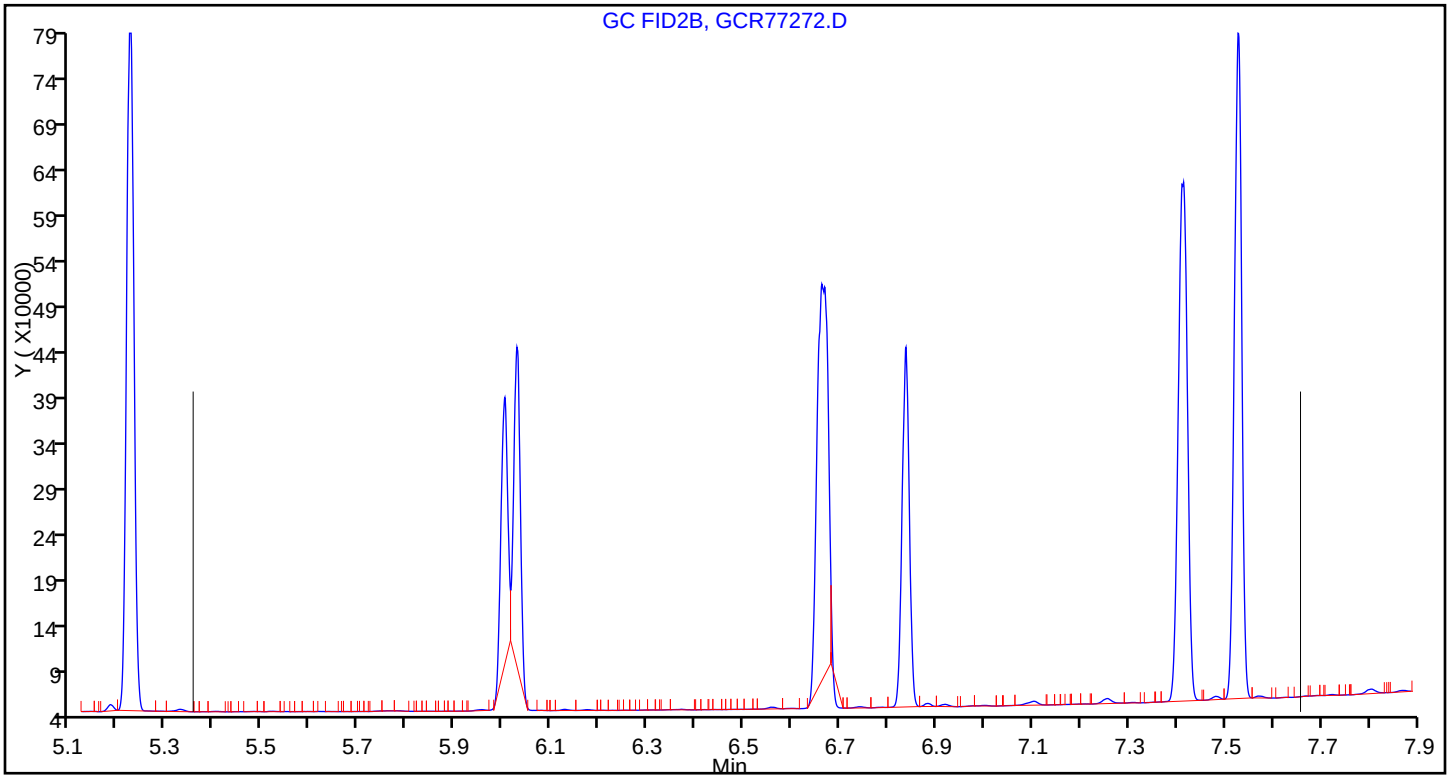


Report Date: 11-Jun-2013 08:31:17 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77272.D		
Injection Date:	10-Jun-2013 17:23:16	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D		
Lims ID:	std3	Client ID:	
Inject. Date:	10-Jun-2013 17:37:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	460-0001416-004		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	57
Lims Batch ID:	165014	Lims Sample ID:	4
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\AREPH4R.m		
Last Update:	11-Jun-2013 08:31:18	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

First Level Reviewer: nimerd Date: 11-Jun-2013 08:23:58

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.413	1.413	0.0	1791865	50.0	
A	2 C10-C12 Aromatics					
	1.742	1.284 - 2.199		5647051	149.2	
	12 Naphthalene					
	2.043	2.043	0.0	3766877	50.0	
$	3 2-Fluorobiphenyl					
	2.818	2.818	0.0	3216748	50.5	
A	4 C12-C16 Aromatics					
	2.830	2.199 - 3.461		7669299	197.7	
$	5 2-Bromonaphthalene					
	3.271	3.271	0.0	2088192	50.7	
	6 Acenaphthene					
	3.315	3.315	0.0	3810314	50.0	
A	7 C16-C21 Aromatics					
	4.408	3.461 - 5.354		11625155	298.7	
$	8 o-Terphenyl					
	4.601	4.601	0.0	1799946	50.5	
	9 Pyrene					
	5.225	5.225	0.0	3816471	50.0	
A	10 C21-C36 Aromatic					
	6.506	5.354 - 7.658		16169041	451.7	
	11 Benzo[g,h,i]perylene					
	7.535	7.535	0.0	3491822	50.0	

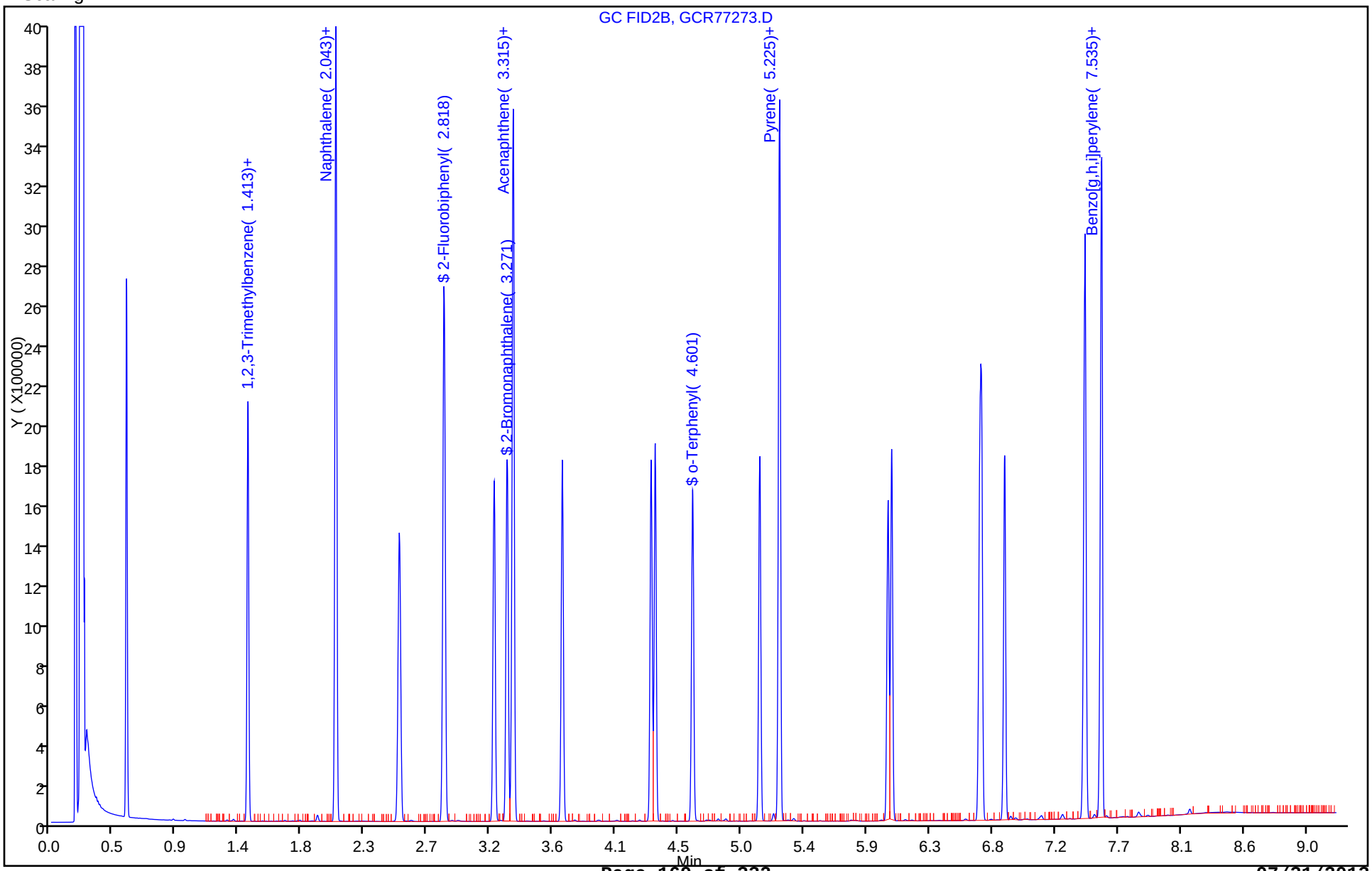
Report Date: 11-Jun-2013 08:31:18 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



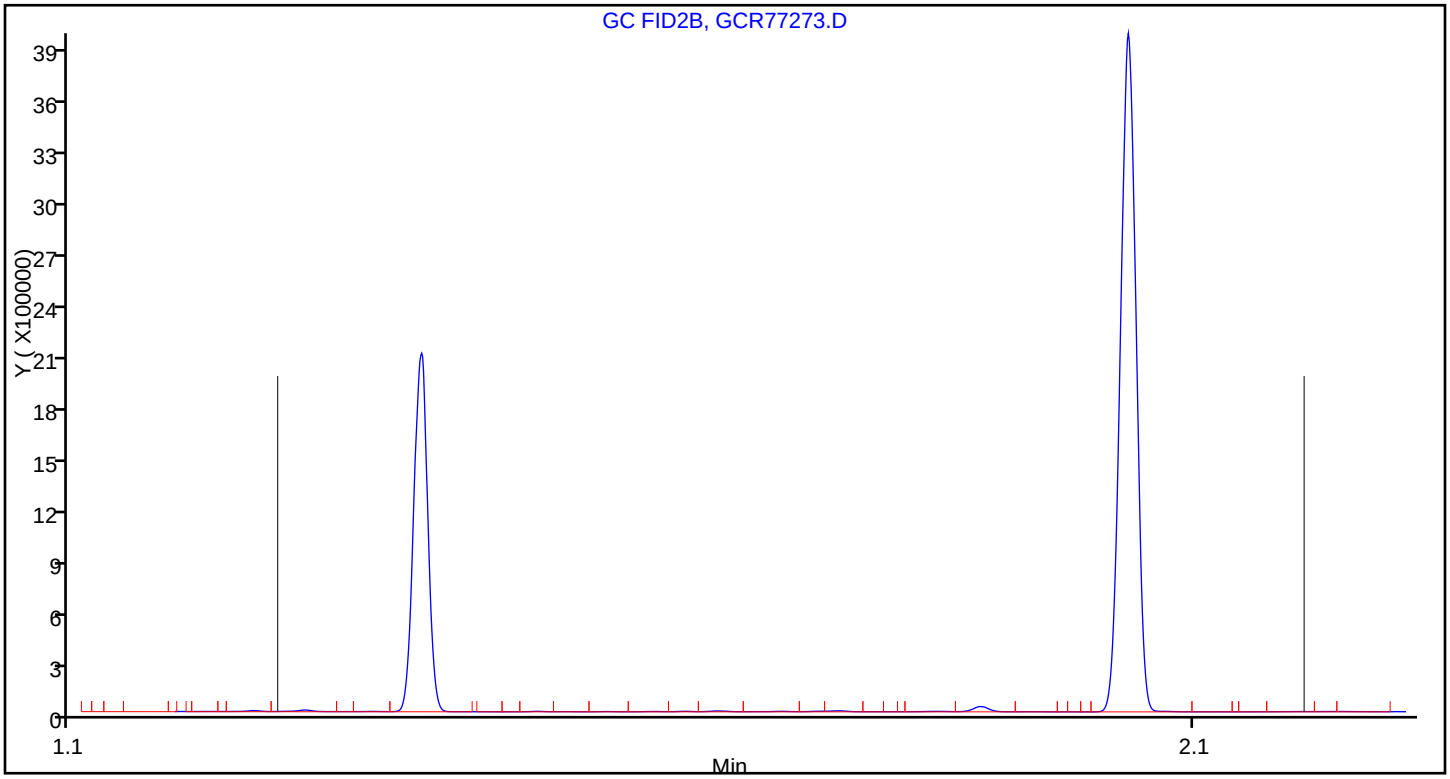
Report Date: 11-Jun-2013 08:31:18 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



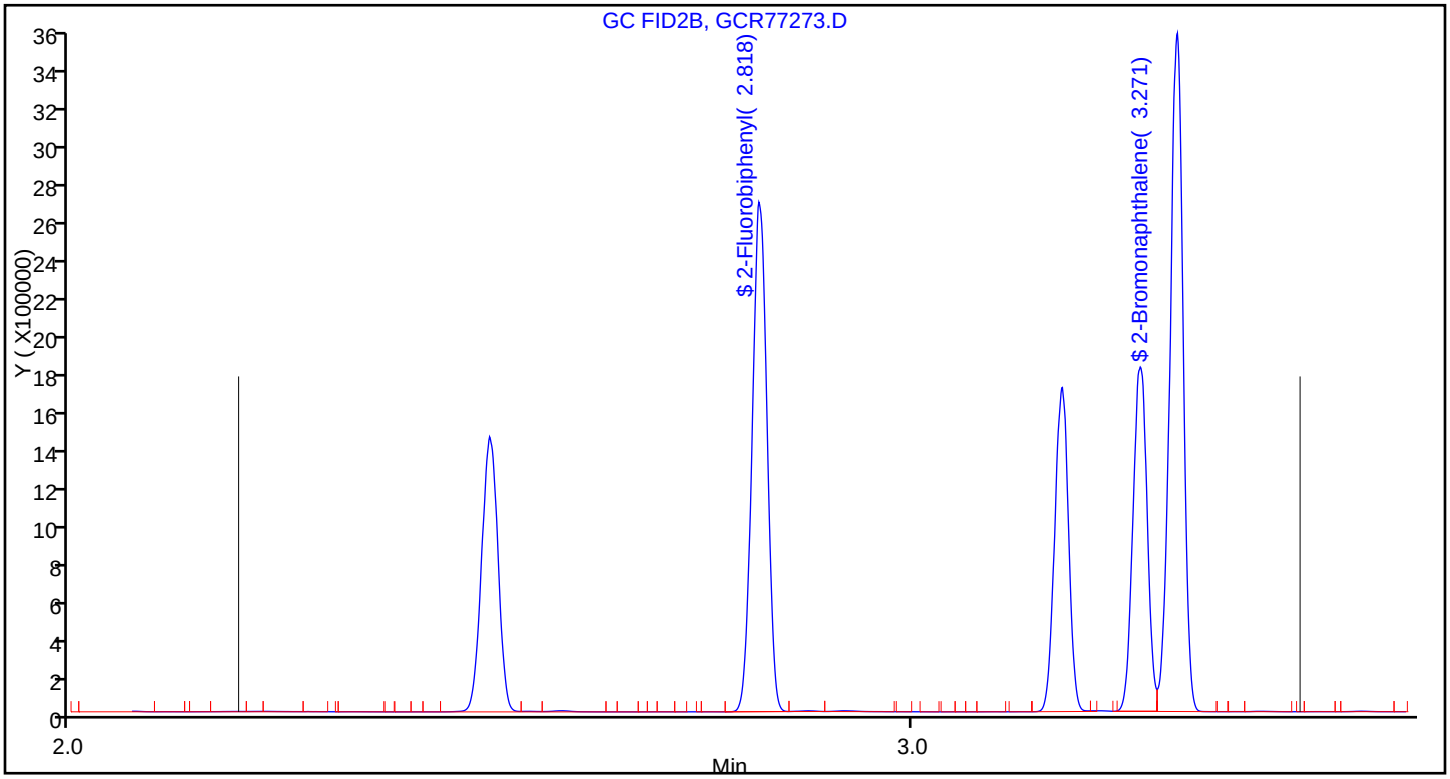
Report Date: 11-Jun-2013 08:31:18 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



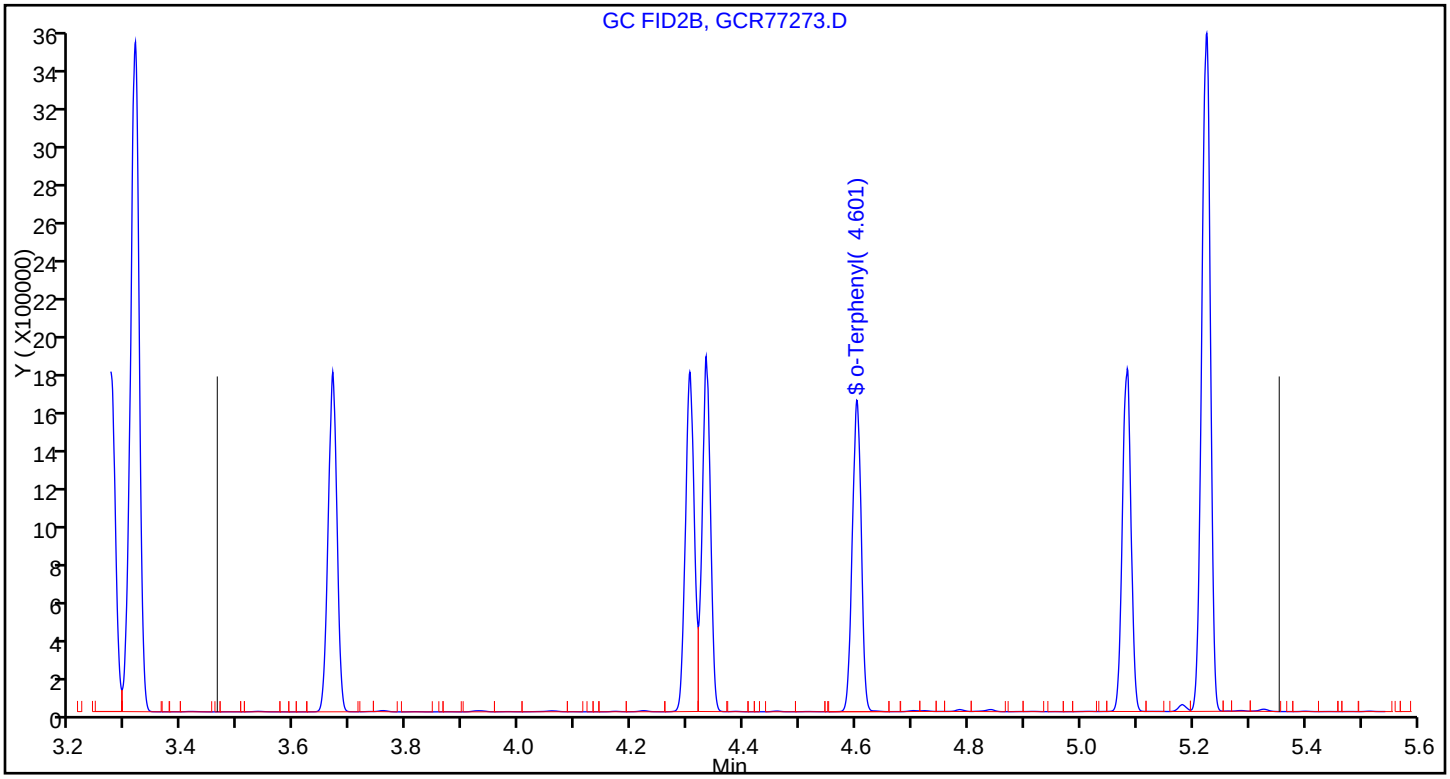
Report Date: 11-Jun-2013 08:31:18 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b



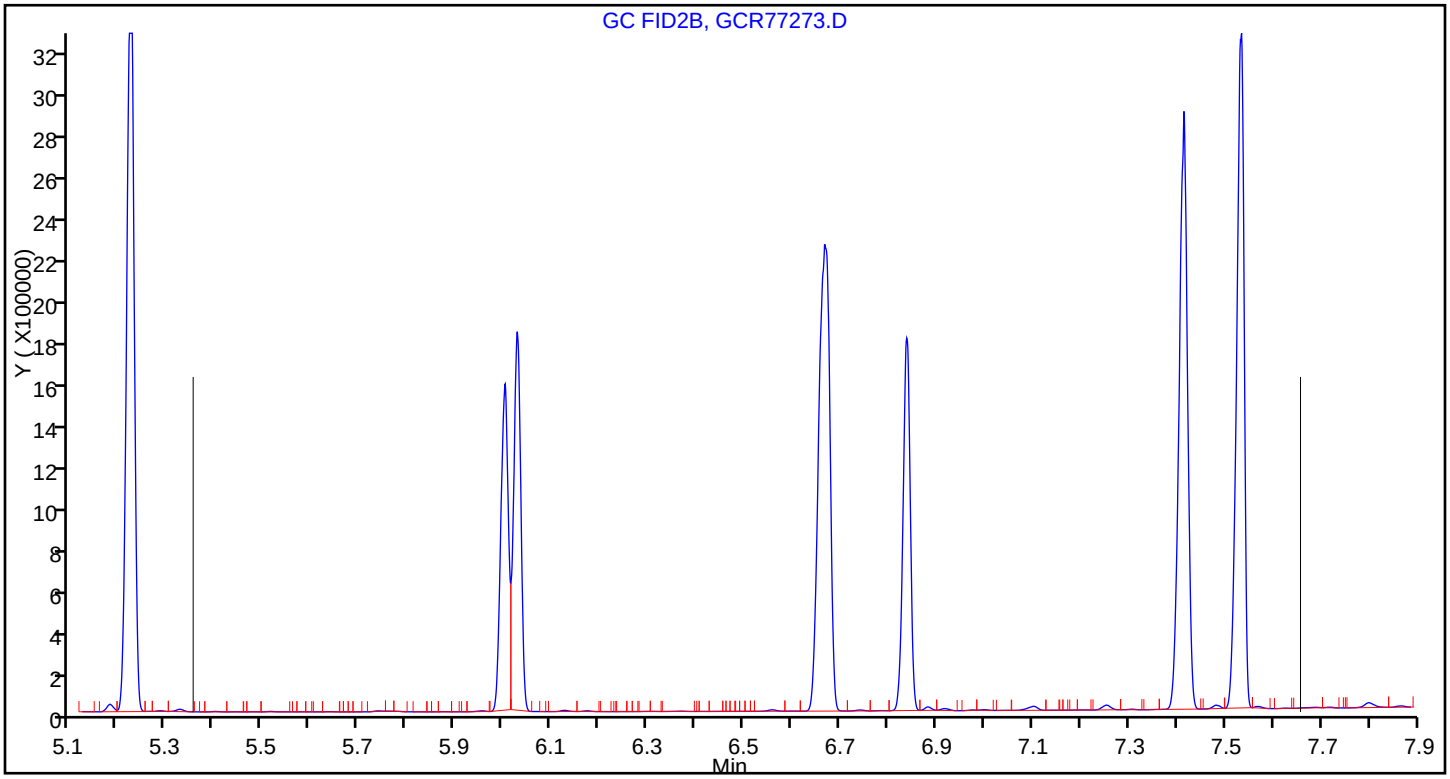
Report Date: 11-Jun-2013 08:31:18 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77273.D

Injection Date:	10-Jun-2013 17:37:40	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D		
Lims ID:	std4	Client ID:	
Inject. Date:	10-Jun-2013 17:52:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	460-0001416-005		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	58
Lims Batch ID:	165014	Lims Sample ID:	5
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\AREPH4R.m		
Last Update:	11-Jun-2013 08:31:19	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

First Level Reviewer: nimerd Date: 11-Jun-2013 08:28:48

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.411	1.413	-0.002	3403396	100.0	
A	2 C10-C12 Aromatics					
	1.742	1.284 - 2.199		10712057	283.0	
	12 Naphthalene					
	2.043	2.043	0.0	7152495	100.0	
$	3 2-Fluorobiphenyl					
	2.821	2.818	0.003	6092075	95.7	
A	4 C12-C16 Aromatics					
	2.830	2.199 - 3.461		14519259	374.2	
$	5 2-Bromonaphthalene					
	3.273	3.271	0.002	3954883	96.0	
	6 Acenaphthene					
	3.317	3.315	0.002	7215258	100.0	
A	7 C16-C21 Aromatics					
	4.408	3.461 - 5.354		22049285	566.5	
$	8 o-Terphenyl					
	4.603	4.601	0.002	3385718	95.0	
	9 Pyrene					
	5.228	5.225	0.003	7232632	100.0	
A	10 C21-C36 Aromatic					
	6.506	5.354 - 7.658		31016698	866.5	
	11 Benzo[g,h,i]perylene					
	7.541	7.535	0.006	6754095	100.0	

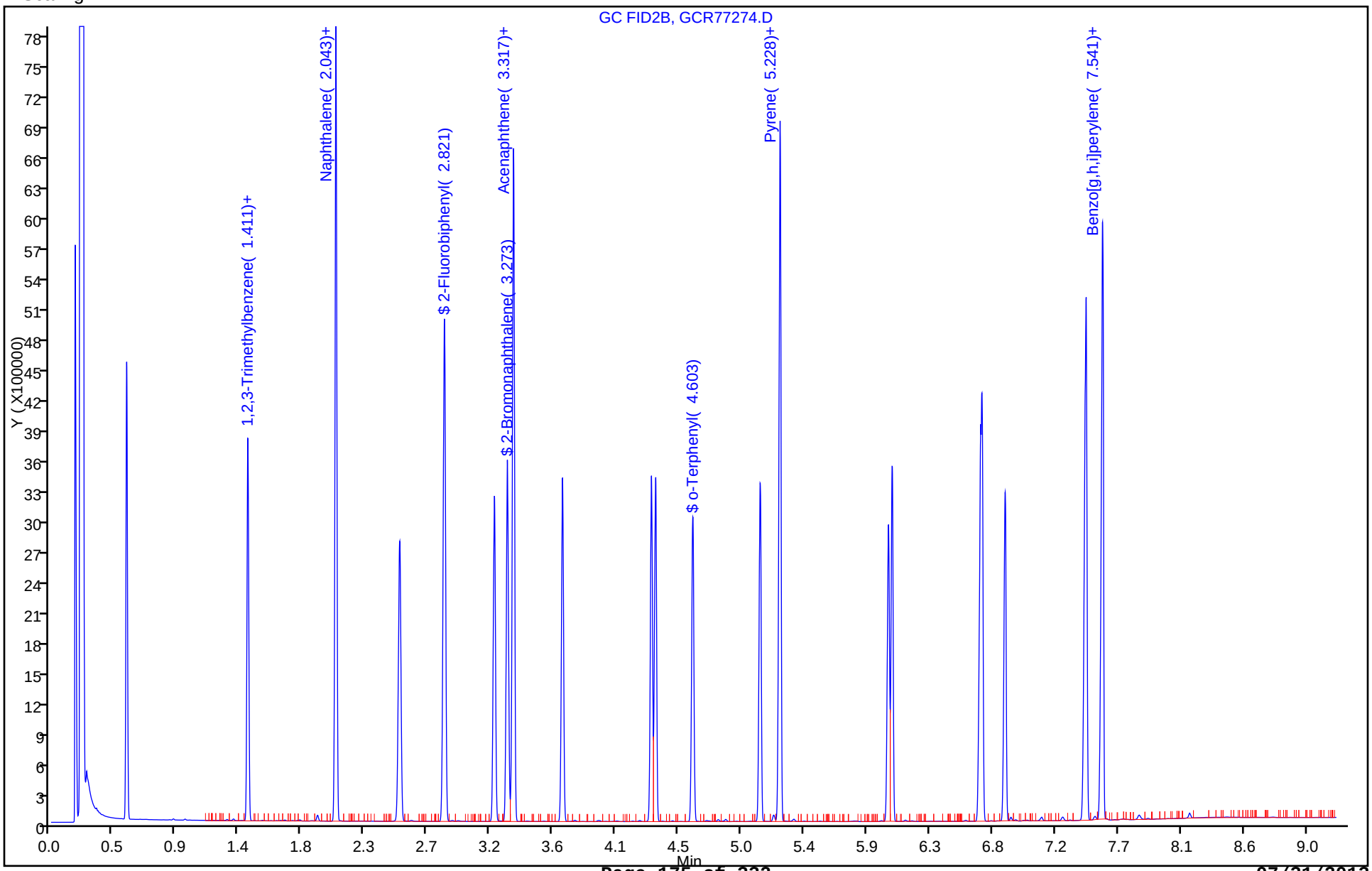
Report Date: 11-Jun-2013 08:31:19 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



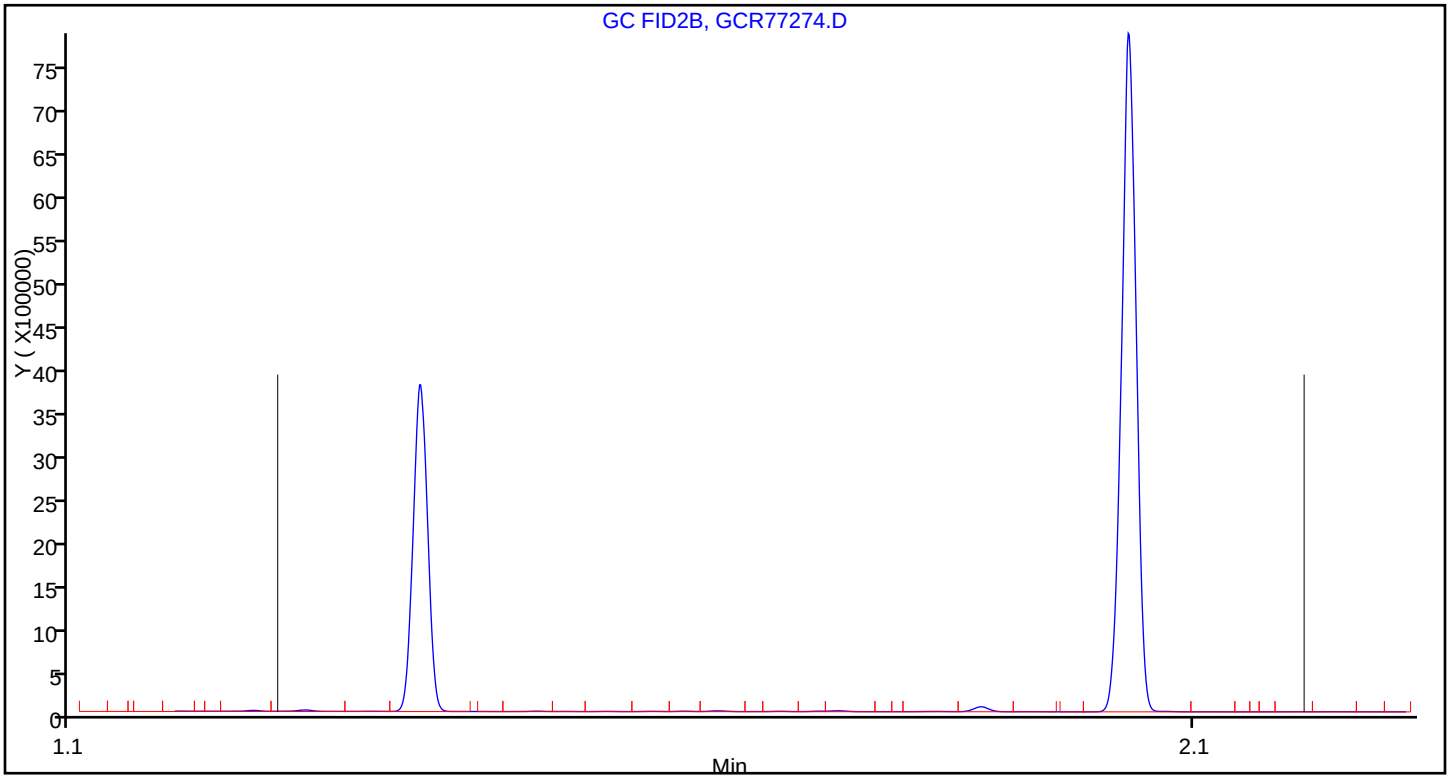
Report Date: 11-Jun-2013 08:31:19 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



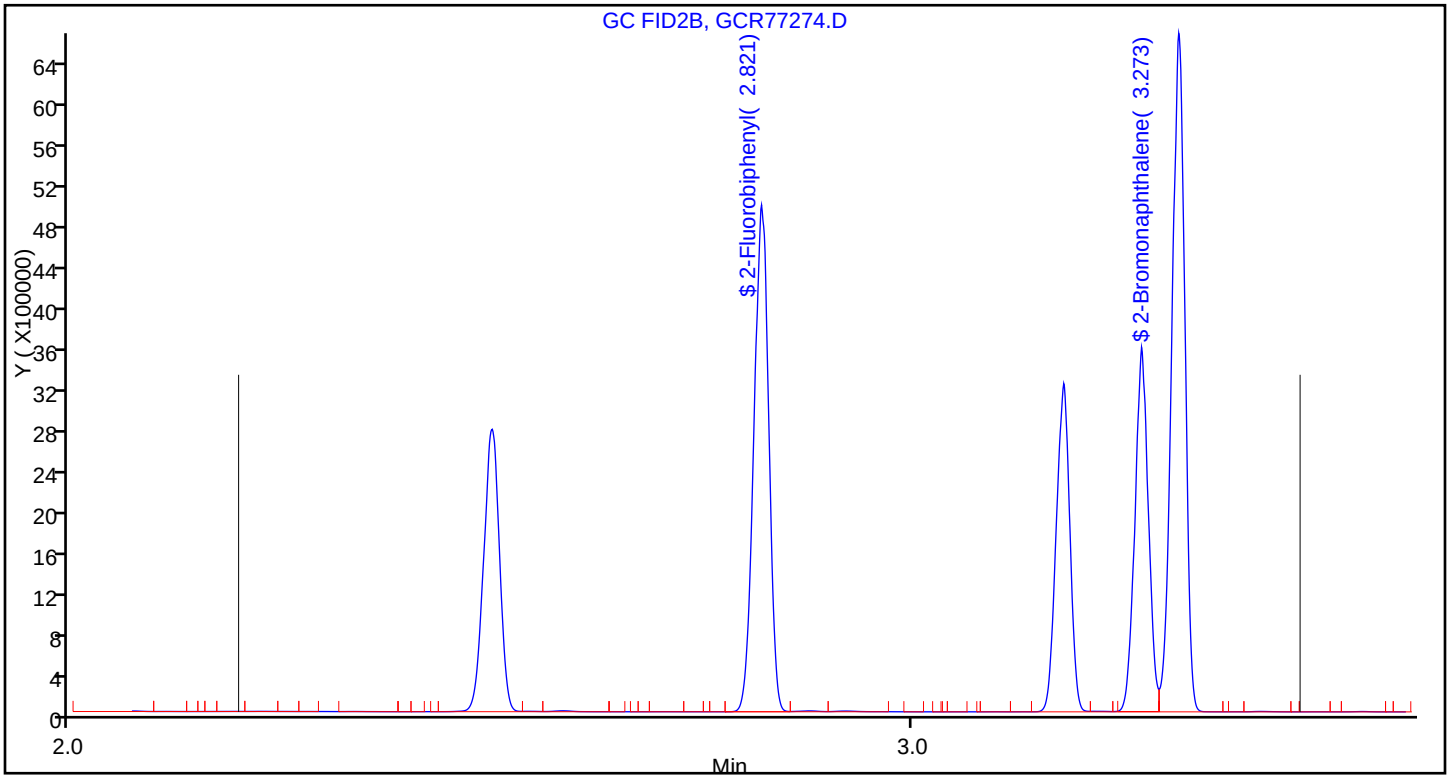
Report Date: 11-Jun-2013 08:31:19 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



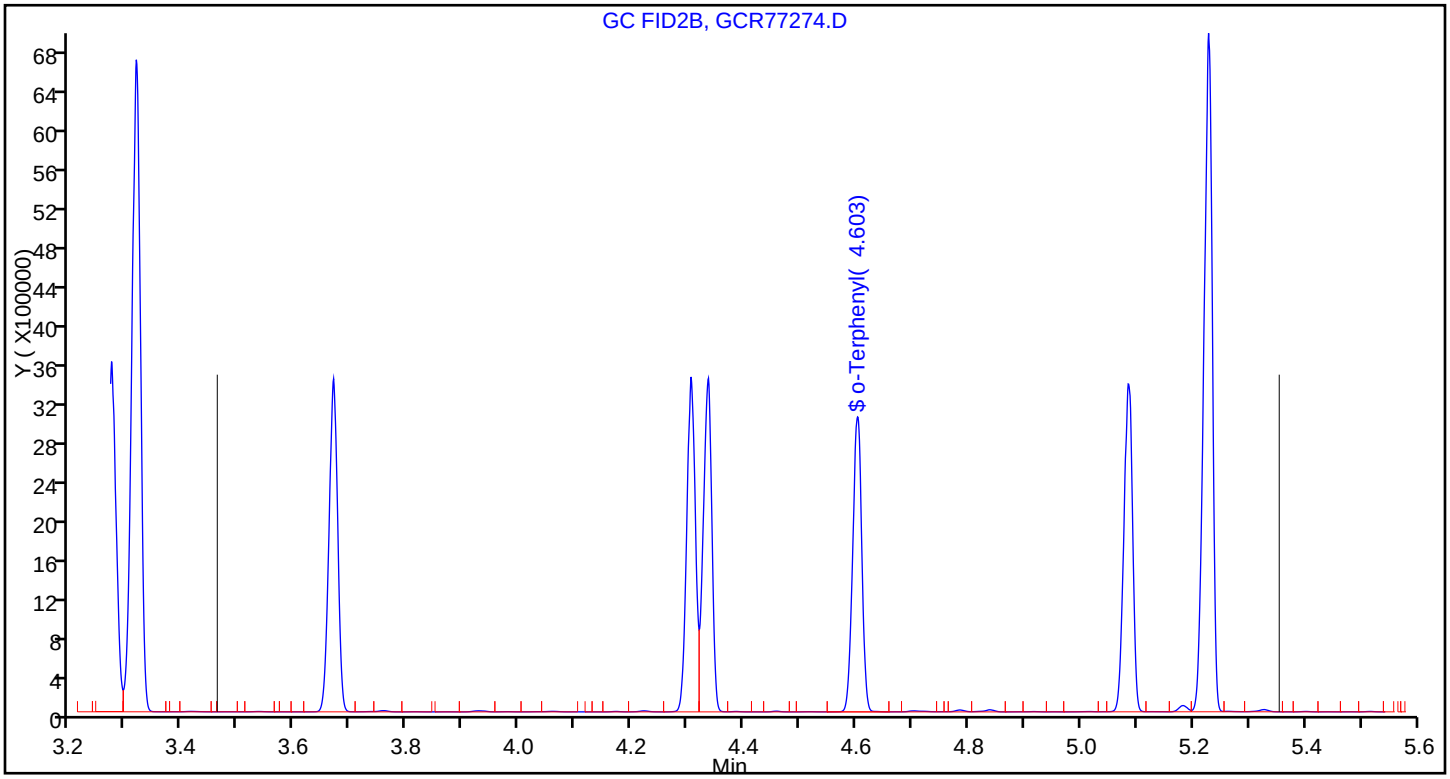
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b



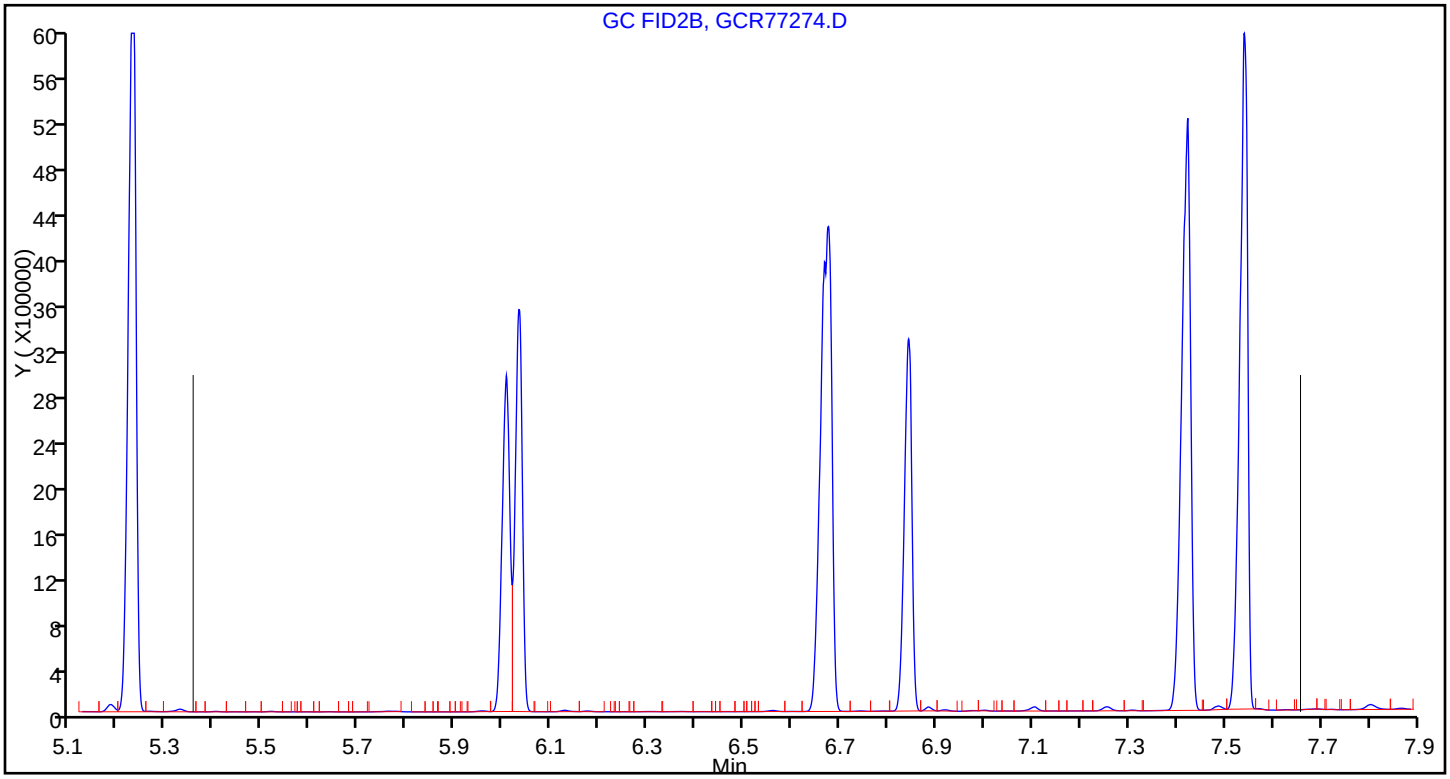
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77274.D

Injection Date:	10-Jun-2013 17:52:12	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	5
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Lims ID:	std5	Client ID:	
Inject. Date:	10-Jun-2013 18:06:34	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	460-0001416-006		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	59
Lims Batch ID:	165014	Lims Sample ID:	6
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\AREPH4R.m		
Last Update:	11-Jun-2013 08:31:20	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

First Level Reviewer: nimerd Date: 11-Jun-2013 08:28:58

RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
1 1,2,3-Trimethylbenzene					
1.413	1.413	0.0	7071253	200.0	
A 2 C10-C12 Aromatics					
1.742	1.284 -	2.199	22240063	587.5	
12 Naphthalene					
2.047	2.043	0.004	14878352	200.0	
$ 3 2-Fluorobiphenyl					
2.823	2.818	0.005	12646634	198.6	
A 4 C12-C16 Aromatics					
2.830	2.199 -	3.461	30080259	775.3	
$ 5 2-Bromonaphthalene					
3.278	3.271	0.007	8205034	199.1	
6 Acenaphthene					
3.322	3.315	0.007	14966300	200.0	
A 7 C16-C21 Aromatics					
4.408	3.461 -	5.354	45552180	1170.3	
$ 8 o-Terphenyl					
4.603	4.601	0.002	6990447	196.1	
9 Pyrene					
5.233	5.225	0.008	14957849	200.0	
A 10 C21-C36 Aromatic					
6.506	5.354 -	7.658	64002191	1788.1	
11 Benzo[g,h,i]perylene					
7.553	7.535	0.018	14010580	200.0	

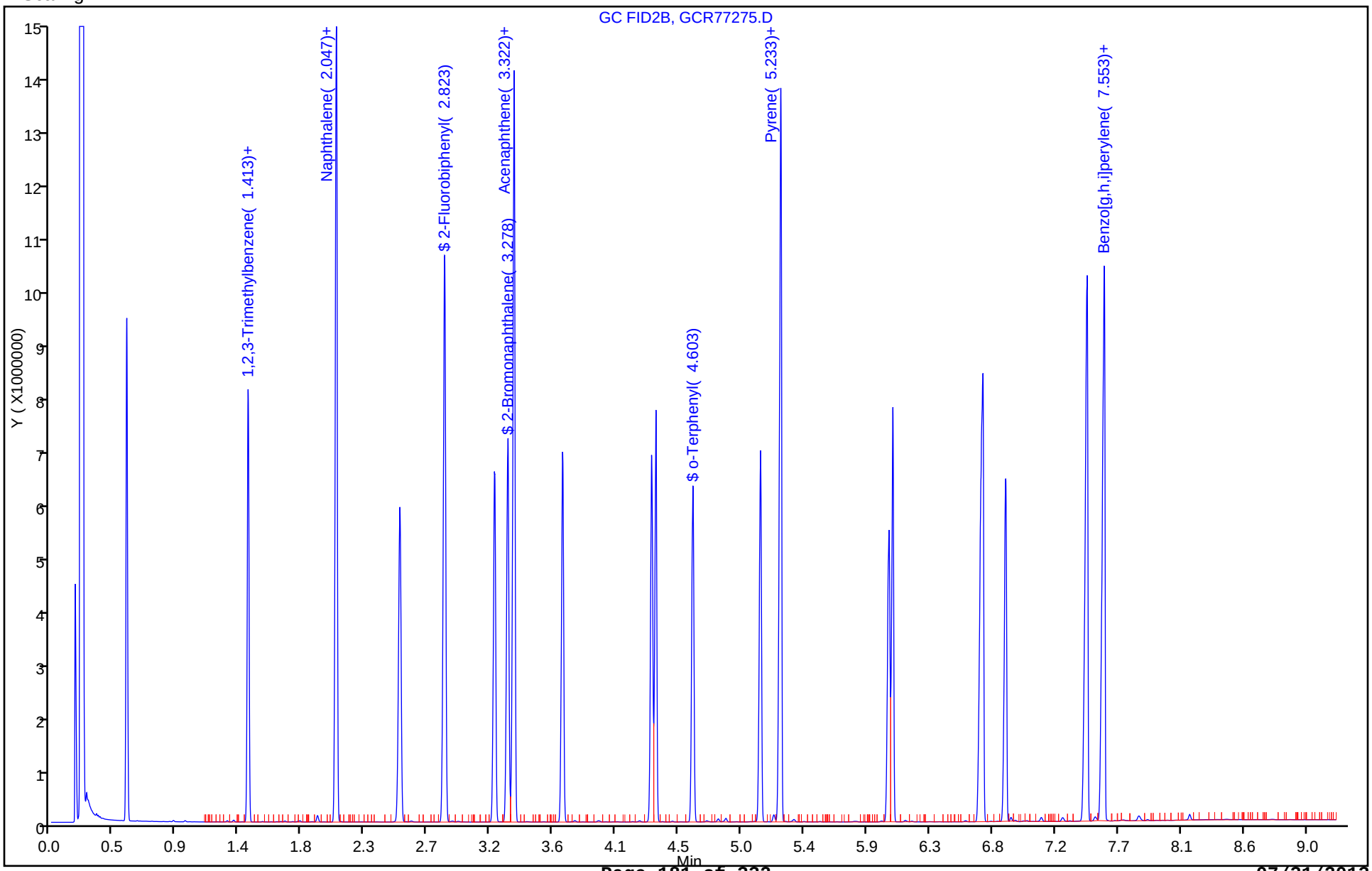
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



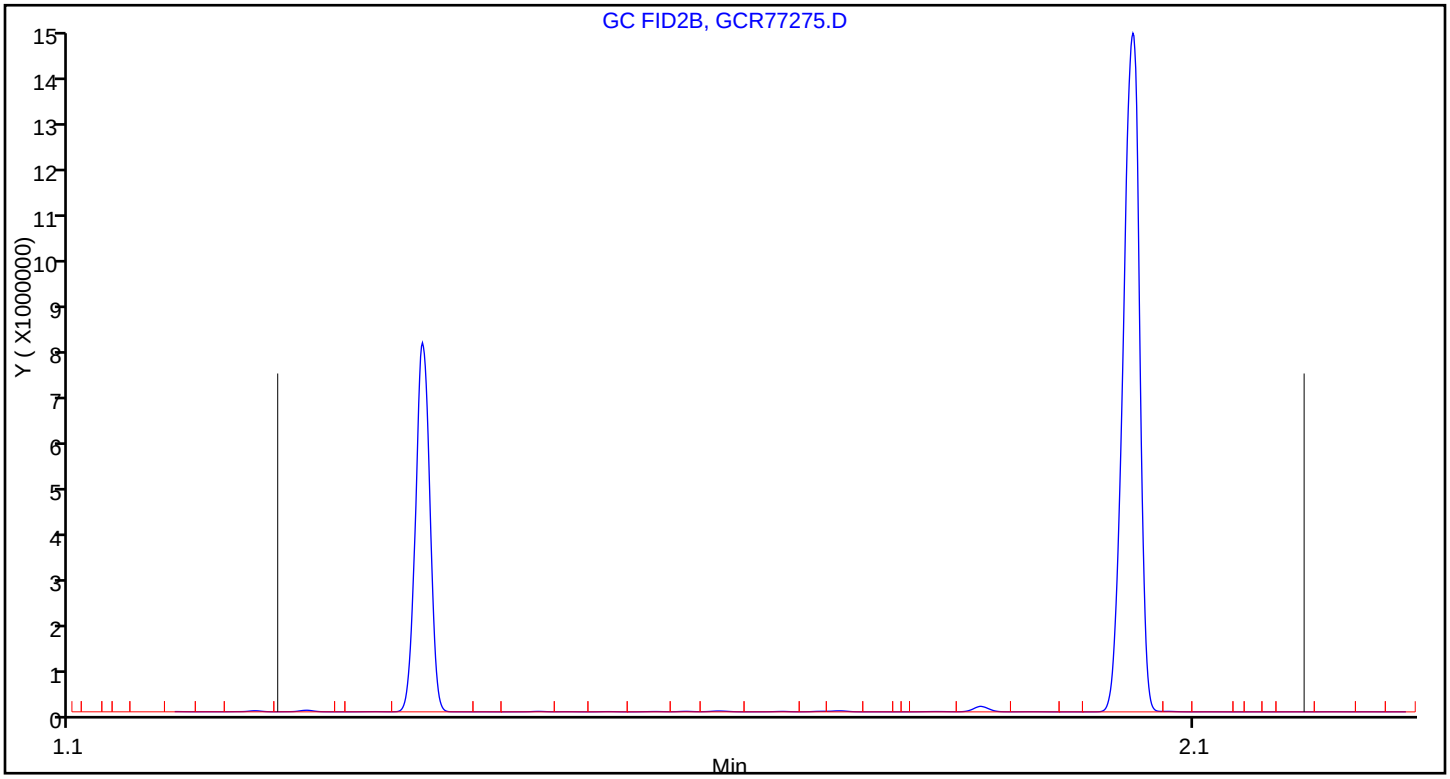
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



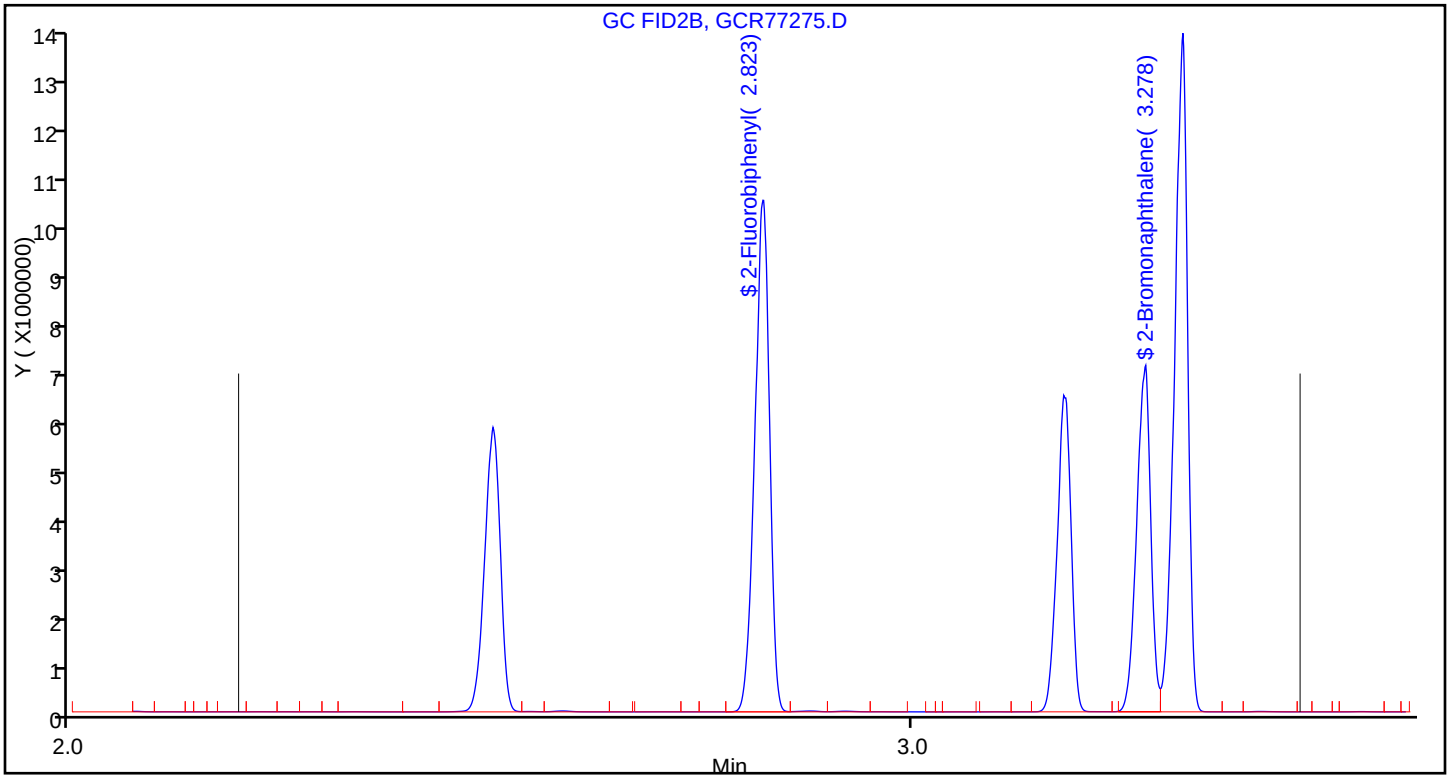
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



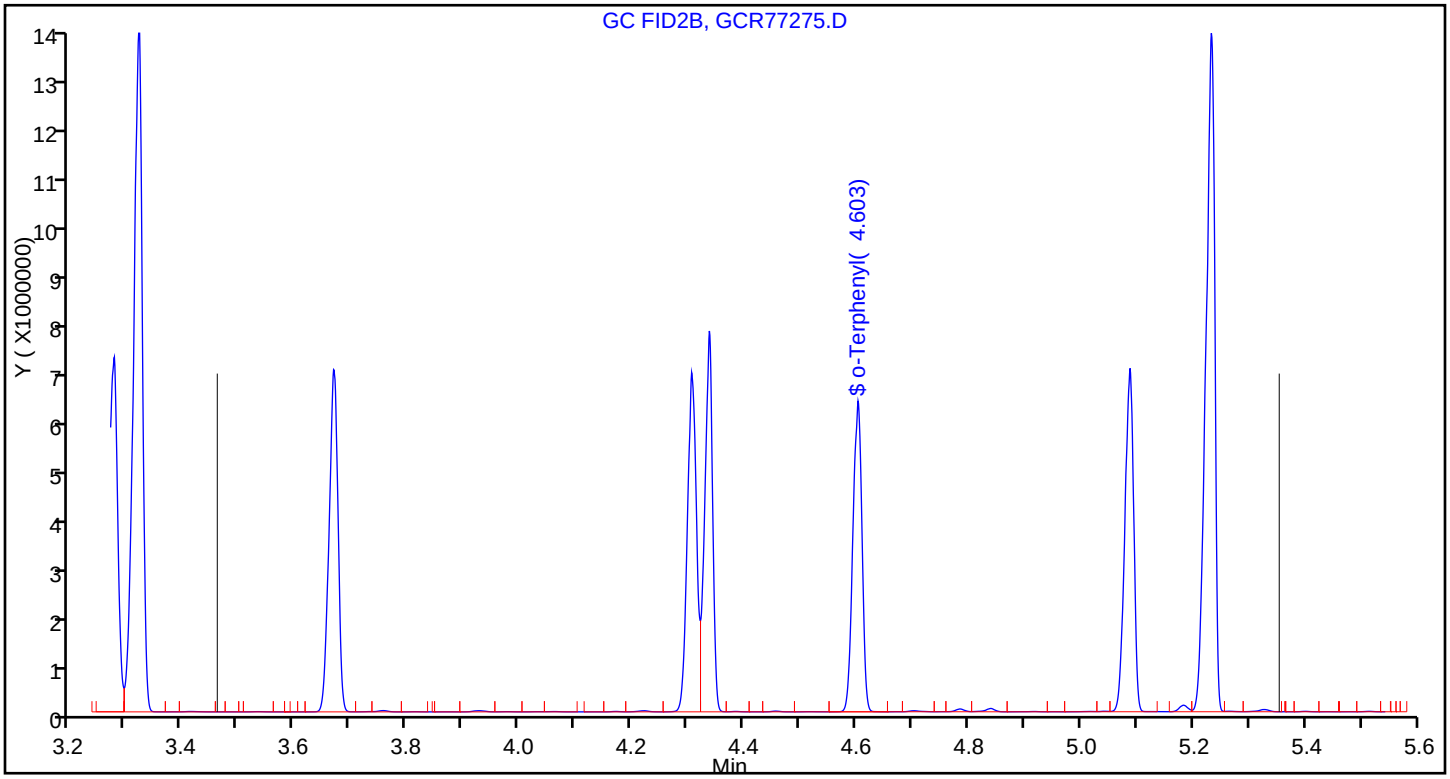
Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D

Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

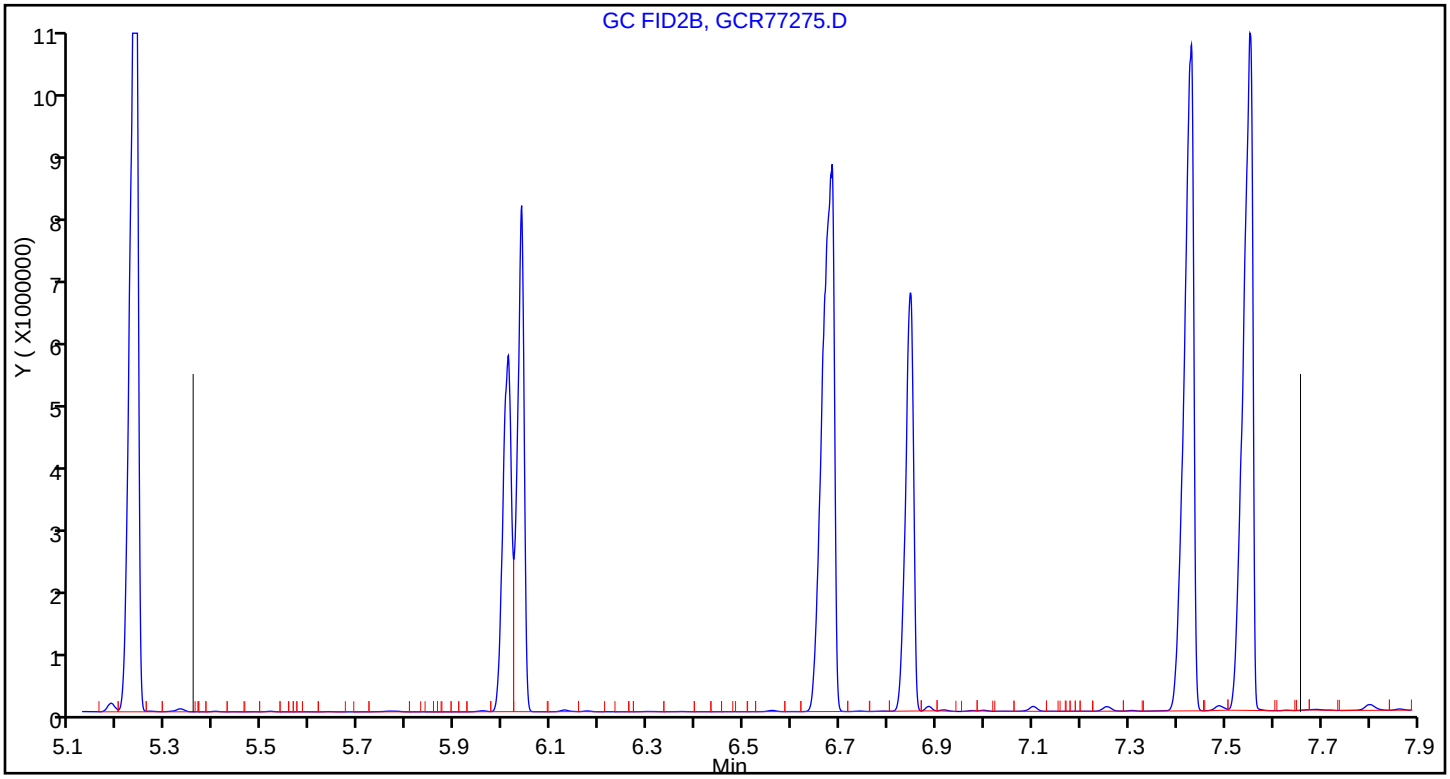


Report Date: 11-Jun-2013 08:31:20 Chrom Revision: 2.1 08-Jun-2013 07:15:34

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Injection Date:	10-Jun-2013 18:06:34	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	165014	Lims Sample ID:	6
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/2 Calibration Date: 07/30/2013 12:16

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79172.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C9-C12 Aliphatics	Ave	23609	25567		162	150	8.3	25.0
C12-C16 Aliphatics	Ave	25568	27721		108	100	8.4	25.0
C16-C21 Aliphatics	Ave	28955	33164		229	200	14.5	25.0
Total EPH (C9-C40)	Ave	25807	25839		951	950	0.1	25.0
C21-C40 Aliphatics	Ave	23956	22614		472	500	-5.6	25.0
o-Terphenyl	Ave	26452	28294		53.5	50.0	7.0	25.0
1-Chlorooctadecane	Ave	21798	25621		58.8	50.0	17.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/2 Calibration Date: 07/30/2013 12:16

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79172.D

Analyte	RT	RT WINDOW	
		FROM	TO
C9-C12 Aliphatics	1.58	0.88	2.28
C12-C16 Aliphatics	3.09	2.28	3.90
C16-C21 Aliphatics	4.61	3.90	5.32
Total EPH (C9-C40)	4.83	0.88	8.77
C21-C40 Aliphatics	7.05	5.32	8.77
o-Terphenyl	4.70	4.65	4.75
1-Chlorooctadecane	5.16	5.11	5.21

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 12:16:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	173419	Lims Sample ID:	2
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 15:23:21	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 12:44:49

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.008	1.008	0.0	1098514	0	
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		3835009	162.4	
9 Dodecane	2.117	2.117	0.0	1313400	0	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		2772102	108.4	
10 Hexadecane	3.749	3.749	0.0	1384103	0	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		6632860	229.1	
$ 6 o-Terphenyl	4.703	4.703	0.0	1414692	53.5	M
A 5 C9-C40	4.828	0.883 - 8.773		24546914	951.2	
$ 7 1-Chlorooctadecane	5.162	5.162	0.0	1281044	58.8	
11 C21	5.176	5.176	0.0	1530147	0	
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		11307107	472.0	
12 C40	8.620	8.620	0.0	639138	0	

QC Flag Legend

Review Flags
M - Manually Integrated

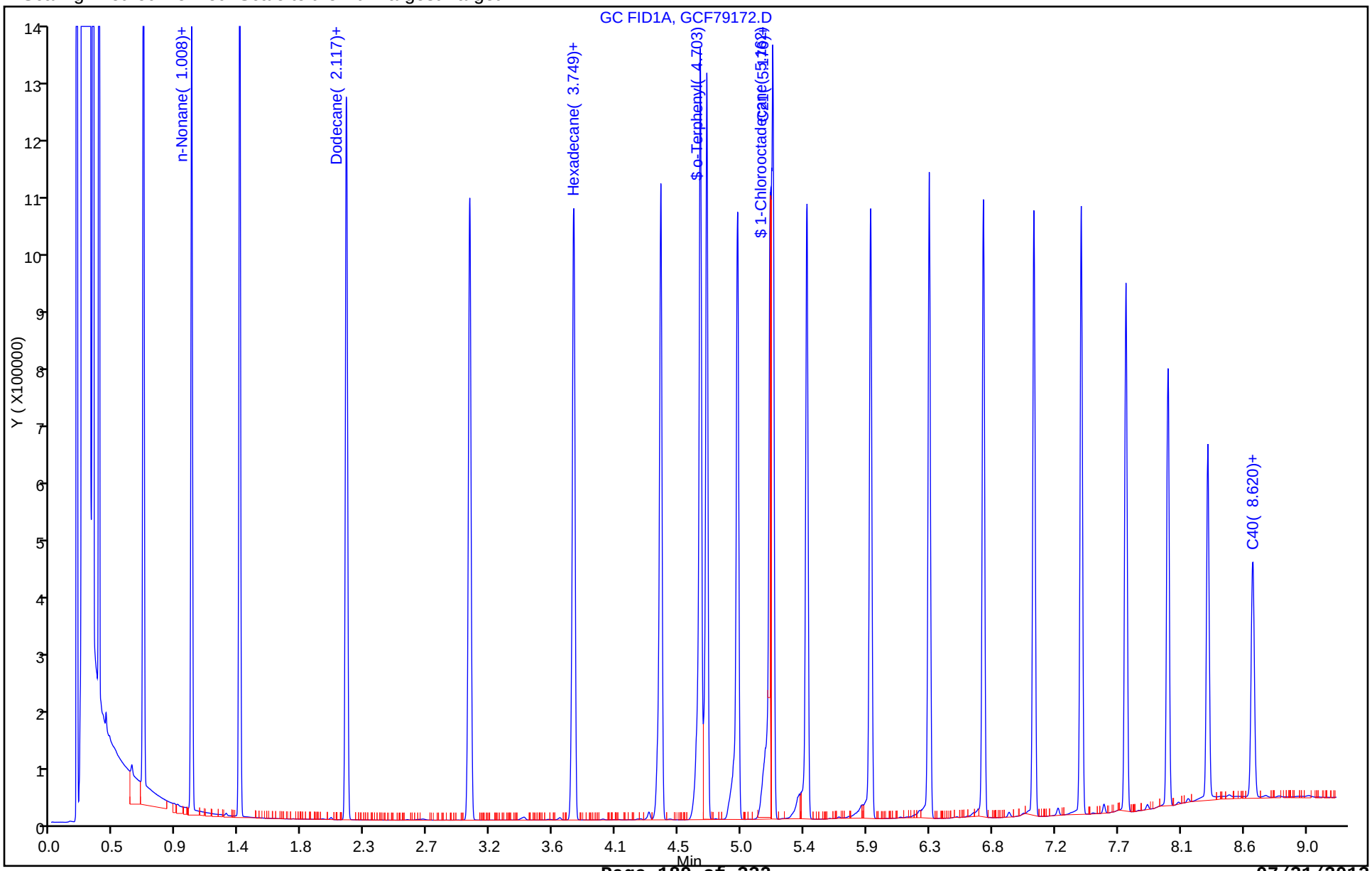
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



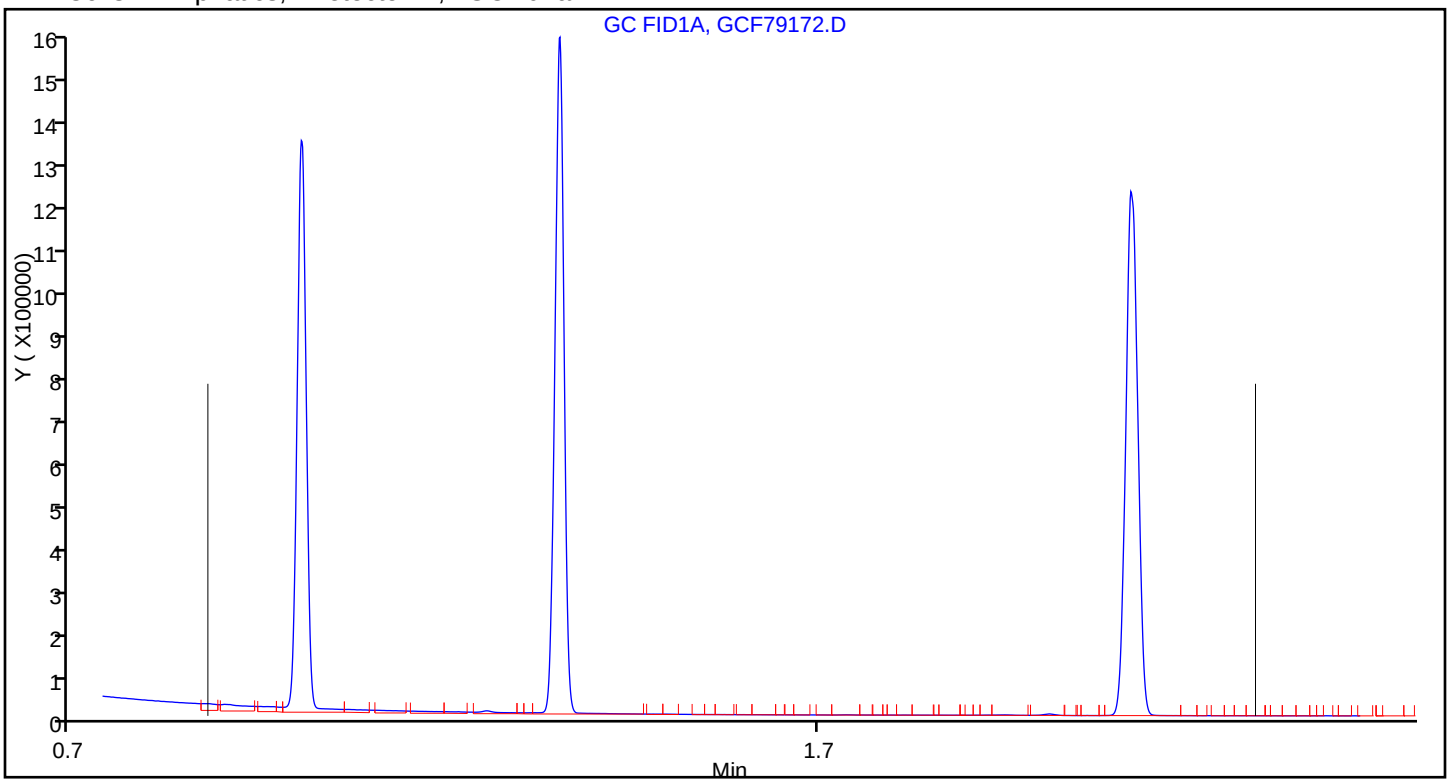
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



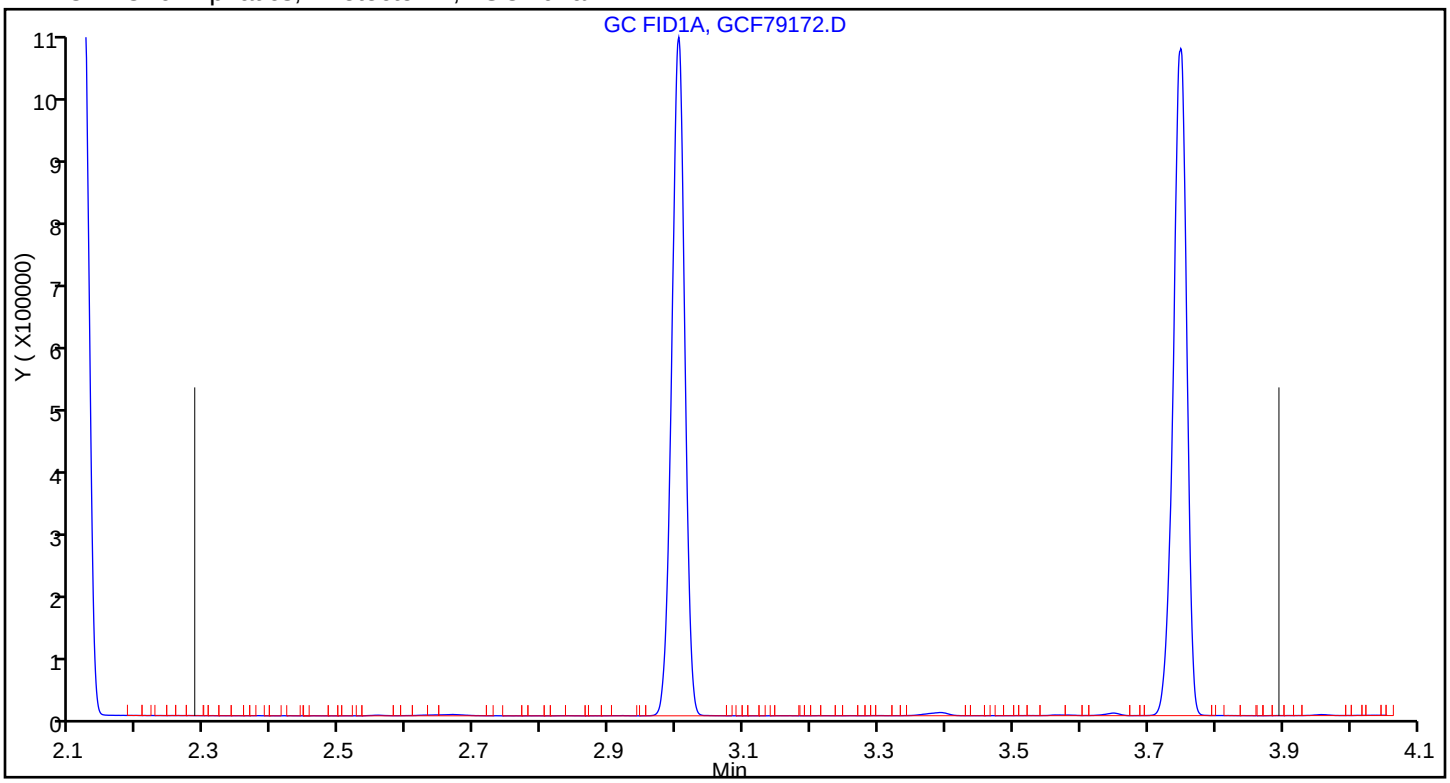
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



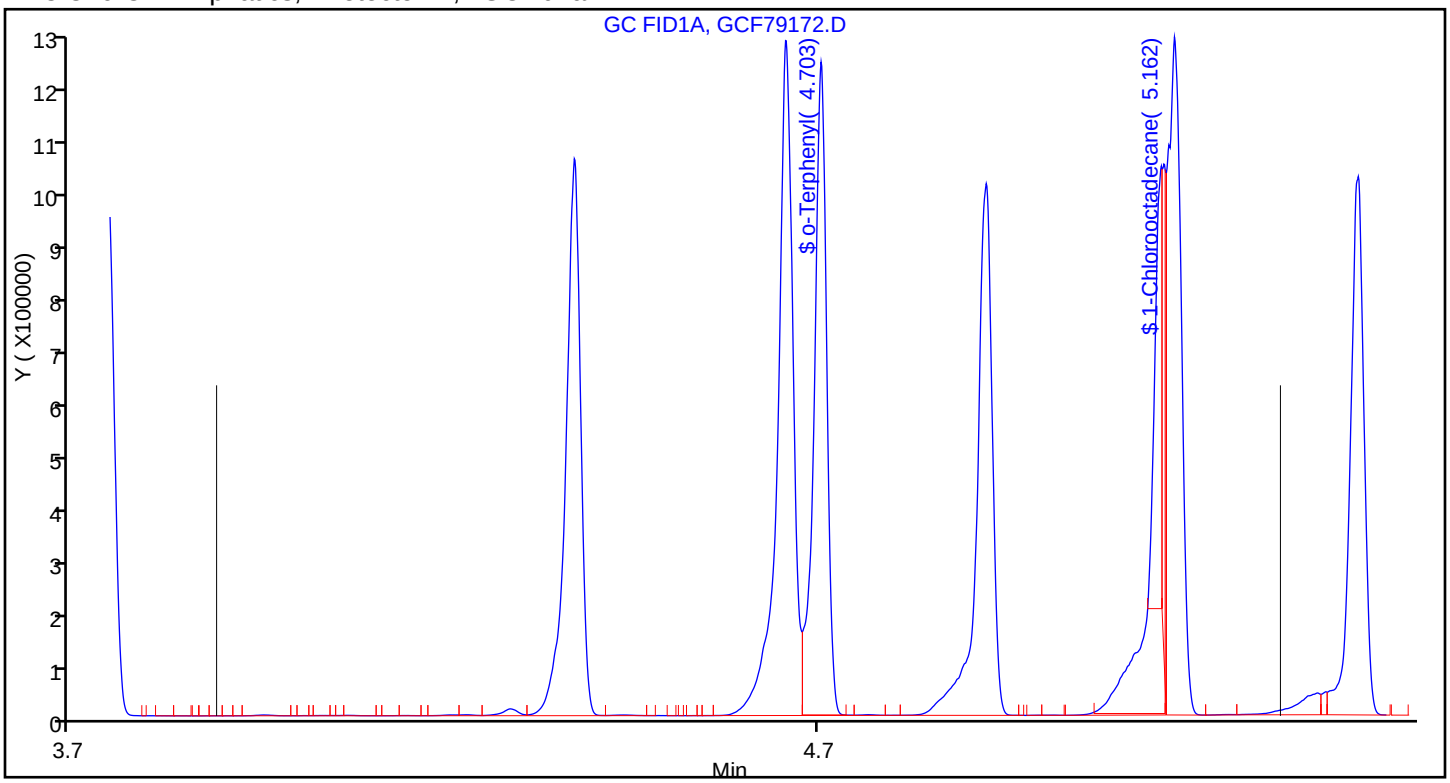
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



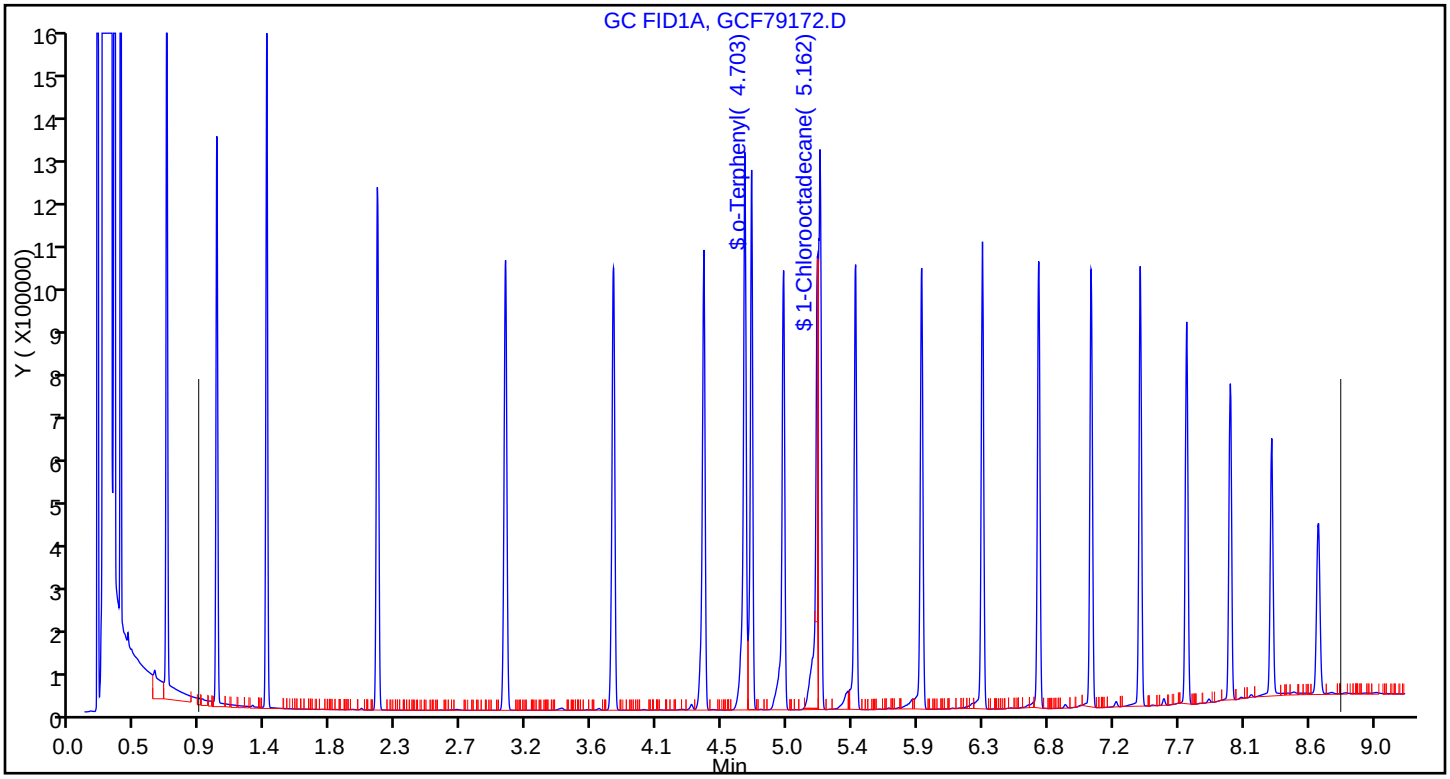
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



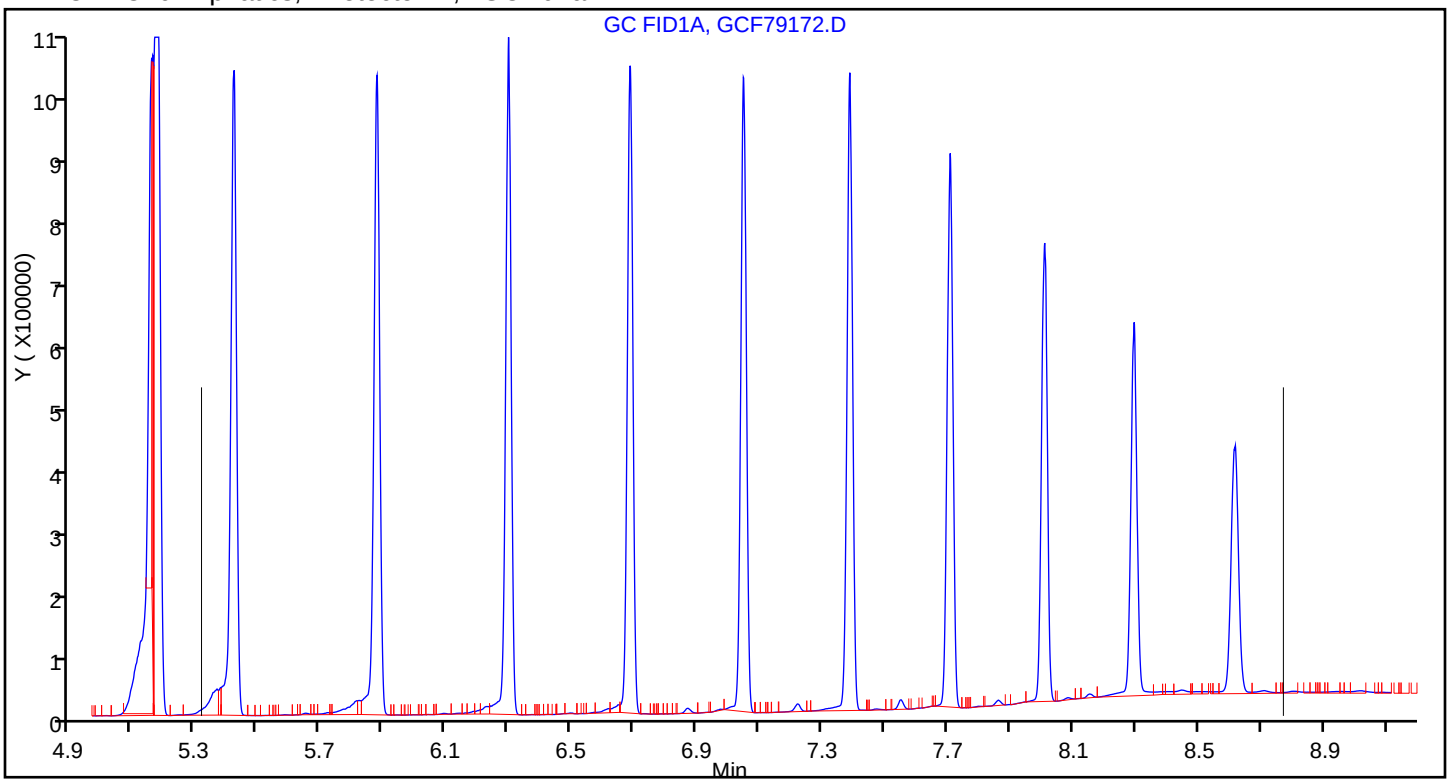
Report Date: 30-Jul-2013 15:23:22 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

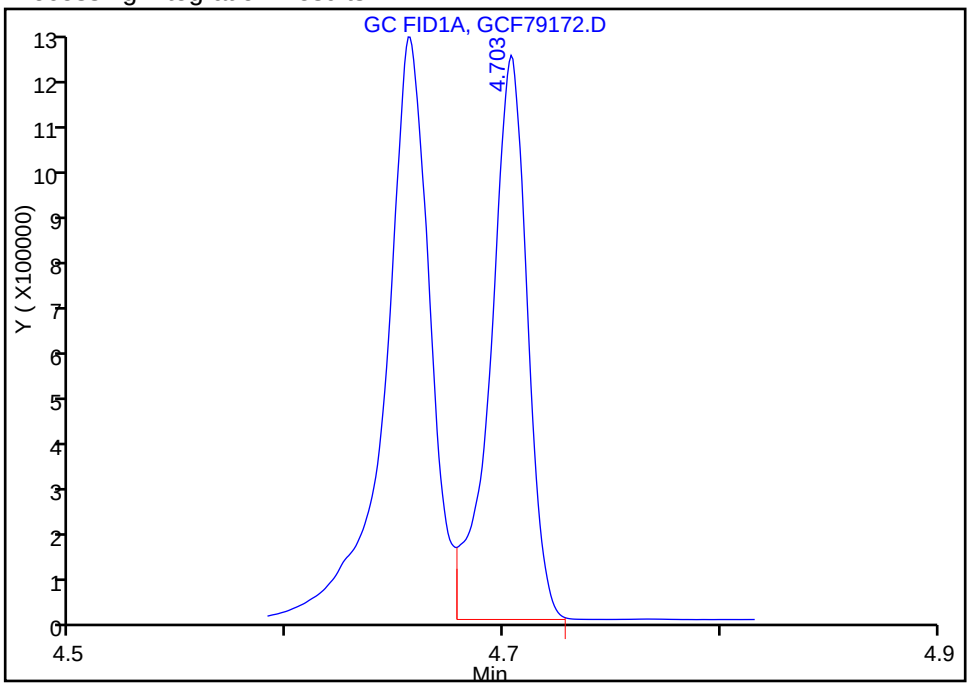
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79172.D		
Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 6 o-Terphenyl, Signal: 1, Type: quant, RT: 4.70

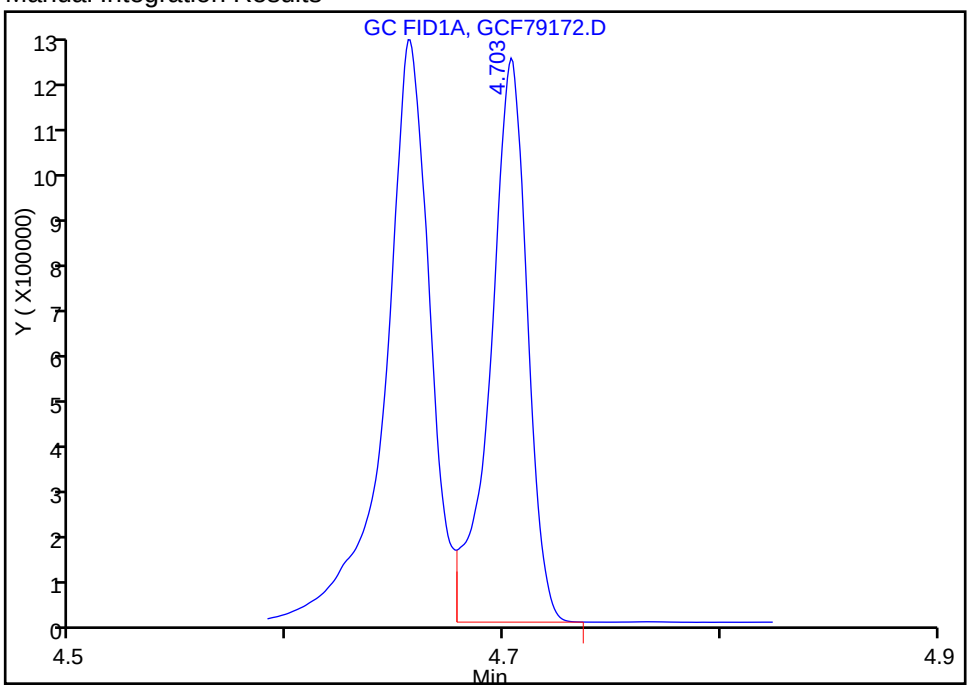
Processing Integration Results

RT: 4.70
Response: 1414447
Amount: 53.471242



Manual Integration Results

RT: 4.70
Response: 1414692
Amount: 53.480503



Reviewer: kimh, 30-Jul-2013 12:44:49
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/2 Calibration Date: 07/30/2013 12:16

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78332.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C10-C12 Aromatics	Ave	37858	37849		150	150	-0.0	25.0
C12-C16 Aromatics	Ave	38801	37518		193	200	-3.3	25.0
C16-C21 Aromatics	Ave	38922	35889		277	300	-7.8	25.0
C21-C36 Aromatic	Ave	35793	33020		415	450	-7.7	25.0
2-Fluorobiphenyl	Ave	63683	63142		49.6	50.0	-0.9	25.0
2-Bromonaphthalene	Ave	41206	40360		49.0	50.0	-2.1	25.0
o-Terphenyl	Ave	35650	33672		47.2	50.0	-5.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/2 Calibration Date: 07/30/2013 12:16

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78332.D

Analyte	RT	RT WINDOW	
		FROM	TO
C10-C12 Aromatics	1.72	1.26	2.18
C12-C16 Aromatics	2.82	2.18	3.45
C16-C21 Aromatics	4.39	3.45	5.33
C21-C36 Aromatic	6.48	5.33	7.62
2-Fluorobiphenyl	2.78	2.73	2.83
2-Bromonaphthalene	3.23	3.18	3.28
o-Terphenyl	4.57	4.52	4.62

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 12:16:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	173375	Lims Sample ID:	2
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 15:24:00	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 12:36:32

RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
1 1,2,3-Trimethylbenzene					
1.389	1.389	0.0	1826959	0	
A 2 C10-C12 Aromatics					
1.723	1.262 - 2.184		5677369	150.0	
12 Naphthalene					
2.012	2.012	0.0	3764164	0	
$ 3 2-Fluorobiphenyl					
2.778	2.778	0.0	3157088	49.6	
A 4 C12-C16 Aromatics					
2.818	2.184 - 3.452		7503539	193.4	
$ 5 2-Bromonaphthalene					
3.233	3.233	0.0	2018020	49.0	
6 Acenaphthene					
3.278	3.278	0.0	3715867	0	
A 7 C16-C21 Aromatics					
4.392	3.452 - 5.332		10766602	276.6	
$ 8 o-Terphenyl					
4.565	4.565	0.0	1683603	47.2	
9 Pyrene					
5.187	5.187	0.0	3478581	0	
A 10 C21-C36 Aromatic					
6.475	5.332 - 7.617		14858834	415.1	
11 Benzo[g,h,i]perylene					
7.492	7.492	0.0	3276989	0	

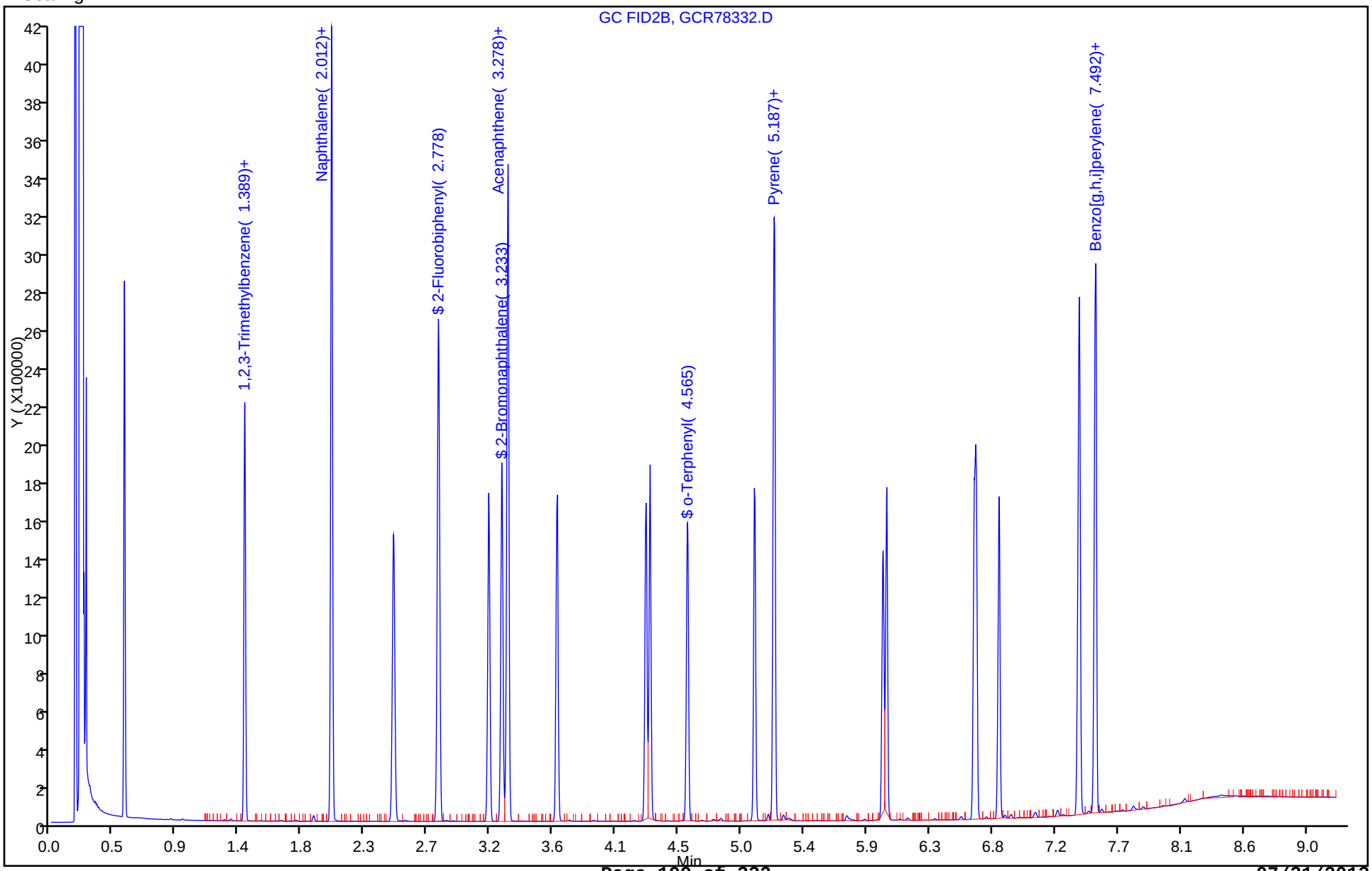
Report Date: 30-Jul-2013 15:24:04 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



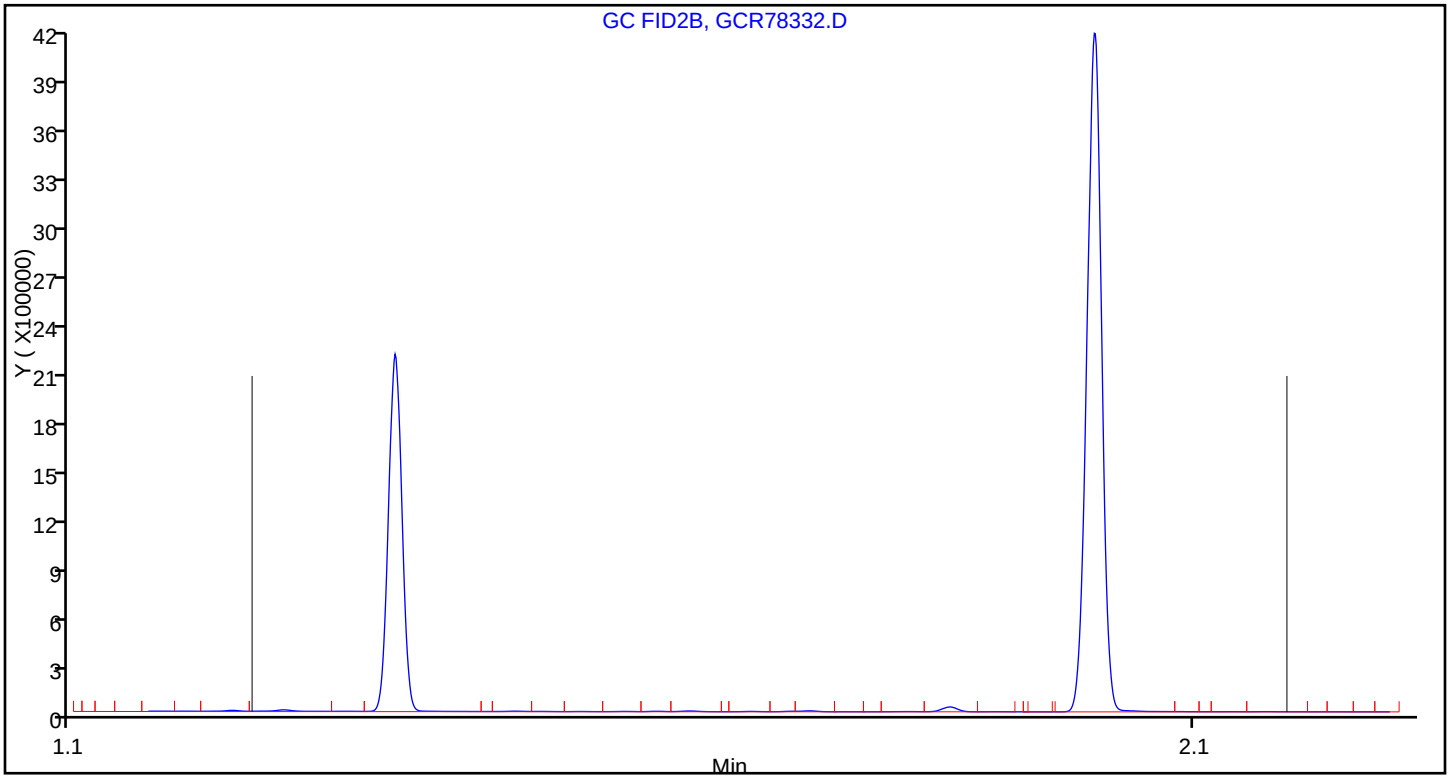
Report Date: 30-Jul-2013 15:24:04 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



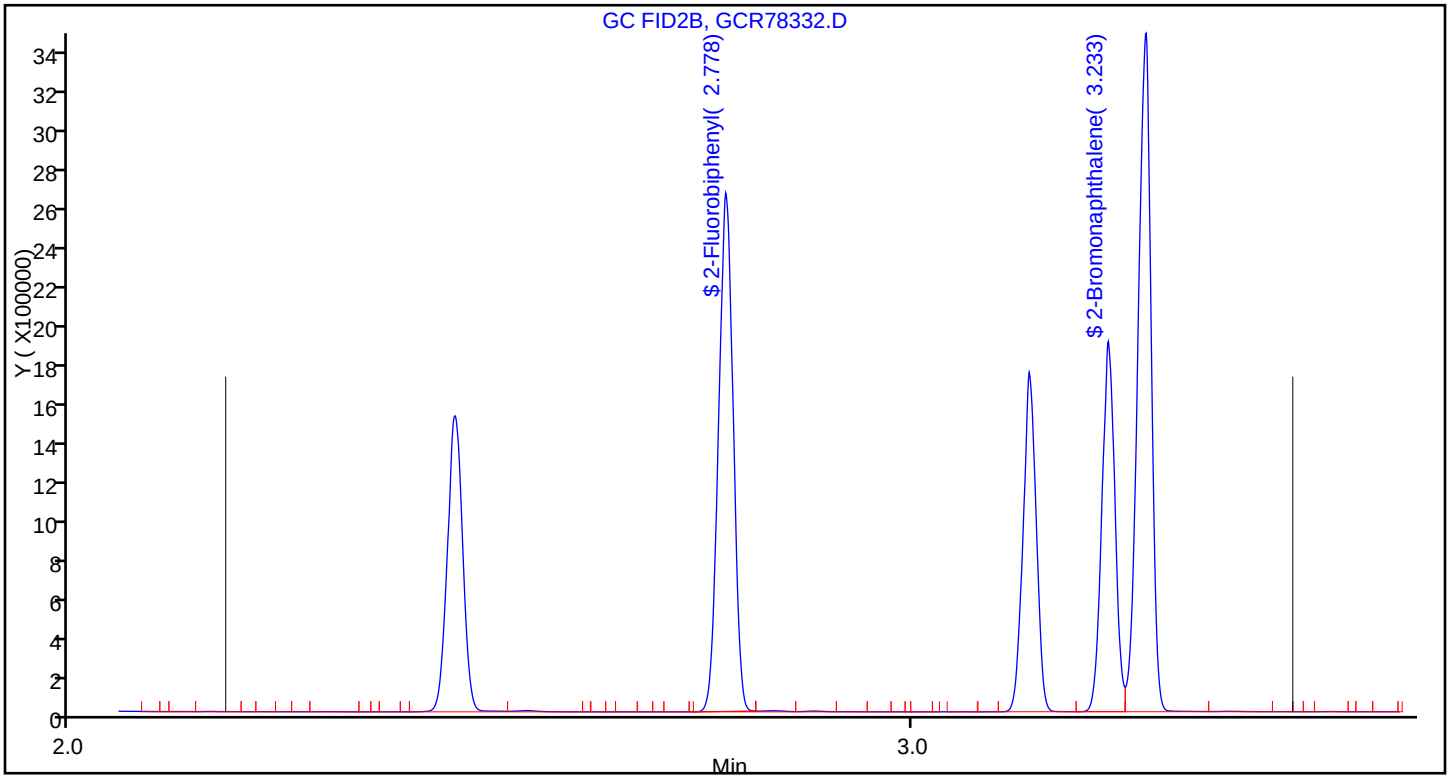
Report Date: 30-Jul-2013 15:24:04 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



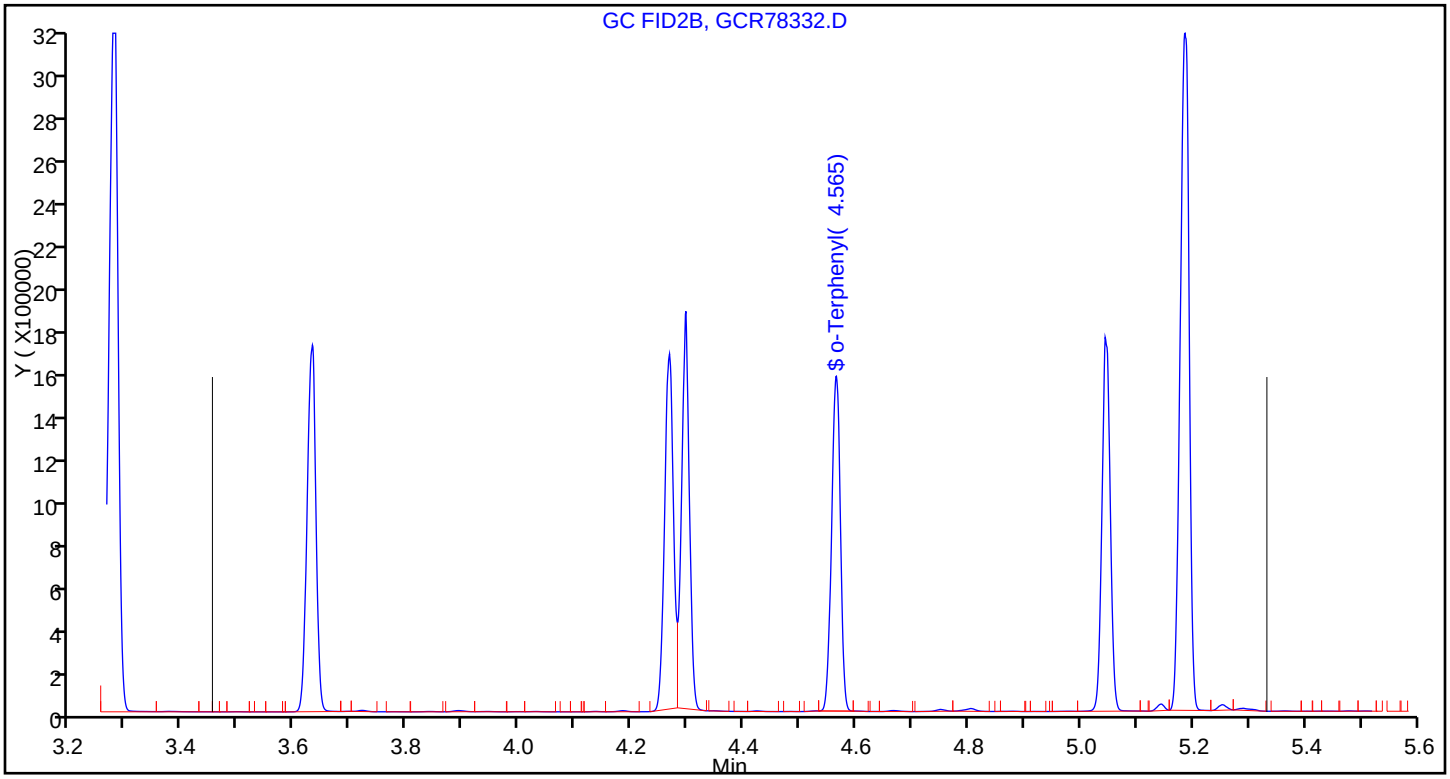
Report Date: 30-Jul-2013 15:24:04 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D

Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

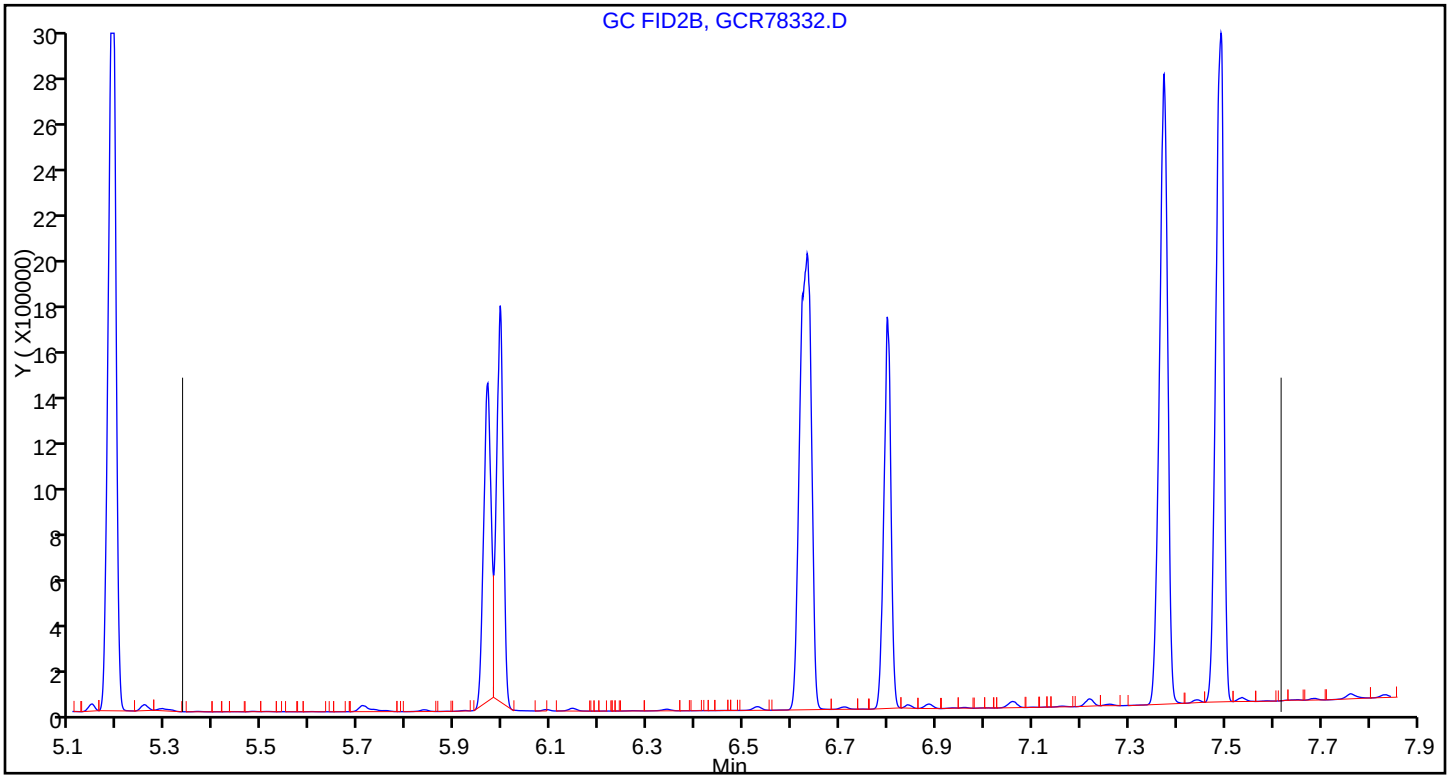


Report Date: 30-Jul-2013 15:24:04 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78332.D		
Injection Date:	30-Jul-2013 12:16:00	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	2
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/28 Calibration Date: 07/30/2013 16:17

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79184.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C9-C12 Aliphatics	Ave	23609	25011		159	150	5.9	25.0
C12-C16 Aliphatics	Ave	25568	27995		109	100	9.5	25.0
C16-C21 Aliphatics	Ave	28955	32248		223	200	11.4	25.0
Total EPH (C9-C40)	Ave	25807	25389		935	950	-1.6	25.0
C21-C40 Aliphatics	Ave	23956	22238		464	500	-7.2	25.0
o-Terphenyl	Ave	26452	28217		53.3	50.0	6.7	25.0
1-Chlorooctadecane	Ave	21798	25899		59.4	50.0	18.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/28 Calibration Date: 07/30/2013 16:17

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79184.D

Analyte	RT	RT WINDOW	
		FROM	TO
C9-C12 Aliphatics	1.58	0.88	2.28
C12-C16 Aliphatics	3.09	2.28	3.90
C16-C21 Aliphatics	4.61	3.90	5.32
Total EPH (C9-C40)	4.83	0.88	8.77
C21-C40 Aliphatics	7.05	5.32	8.77
o-Terphenyl	4.70	4.65	4.75
1-Chlorooctadecane	5.15	5.11	5.21

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	173419	Lims Sample ID:	28
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 16:30:26	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 16:30:17

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.008	1.008	0.0	1081277	0	
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		3751610	158.9	
9 Dodecane	2.123	2.117	0.006	1329668	0	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		2799480	109.5	
10 Hexadecane	3.748	3.749	-0.001	1403820	0	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		6449519	222.7	M
$ 6 o-Terphenyl	4.698	4.703	-0.005	1410837	53.3	M
A 5 C9-C40	4.828	0.883 - 8.773		24119773	934.6	M
$ 7 1-Chlorooctadecane	5.152	5.162	-0.010	1294949	59.4	M
11 C21		5.176				
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		11119164	464.2	M
12 C40	8.603	8.620	-0.017	637083	0	

QC Flag Legend

Review Flags
M - Manually Integrated

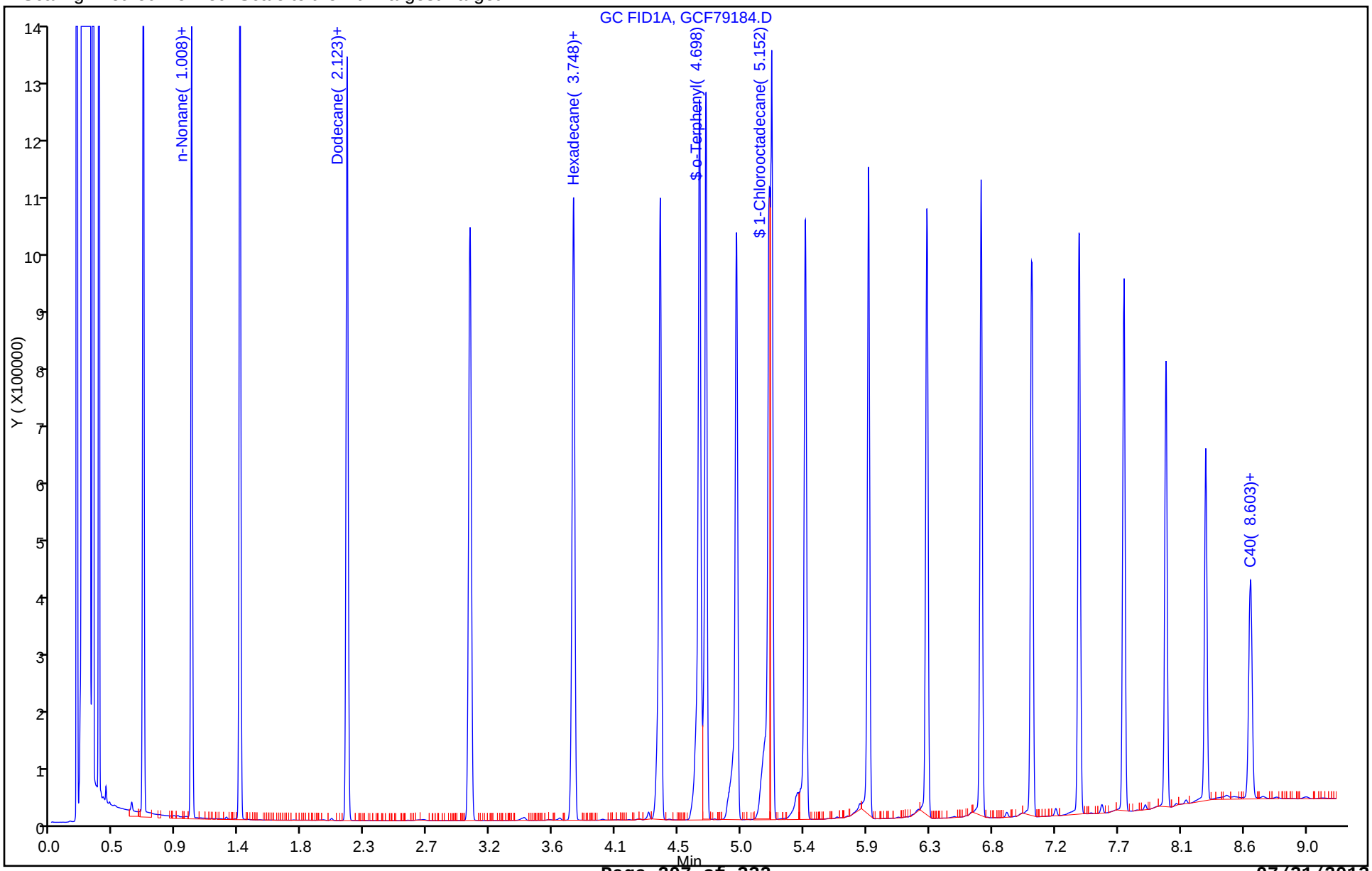
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



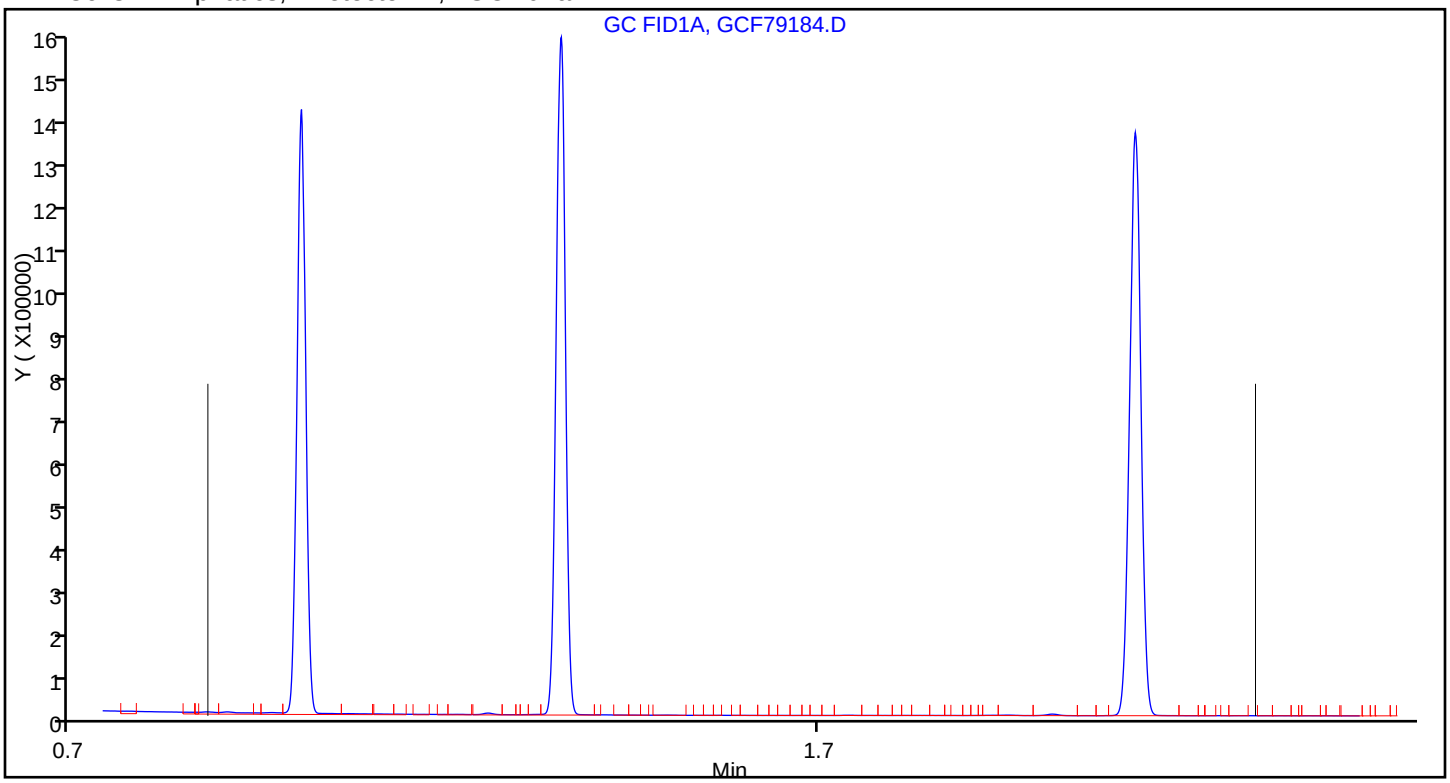
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



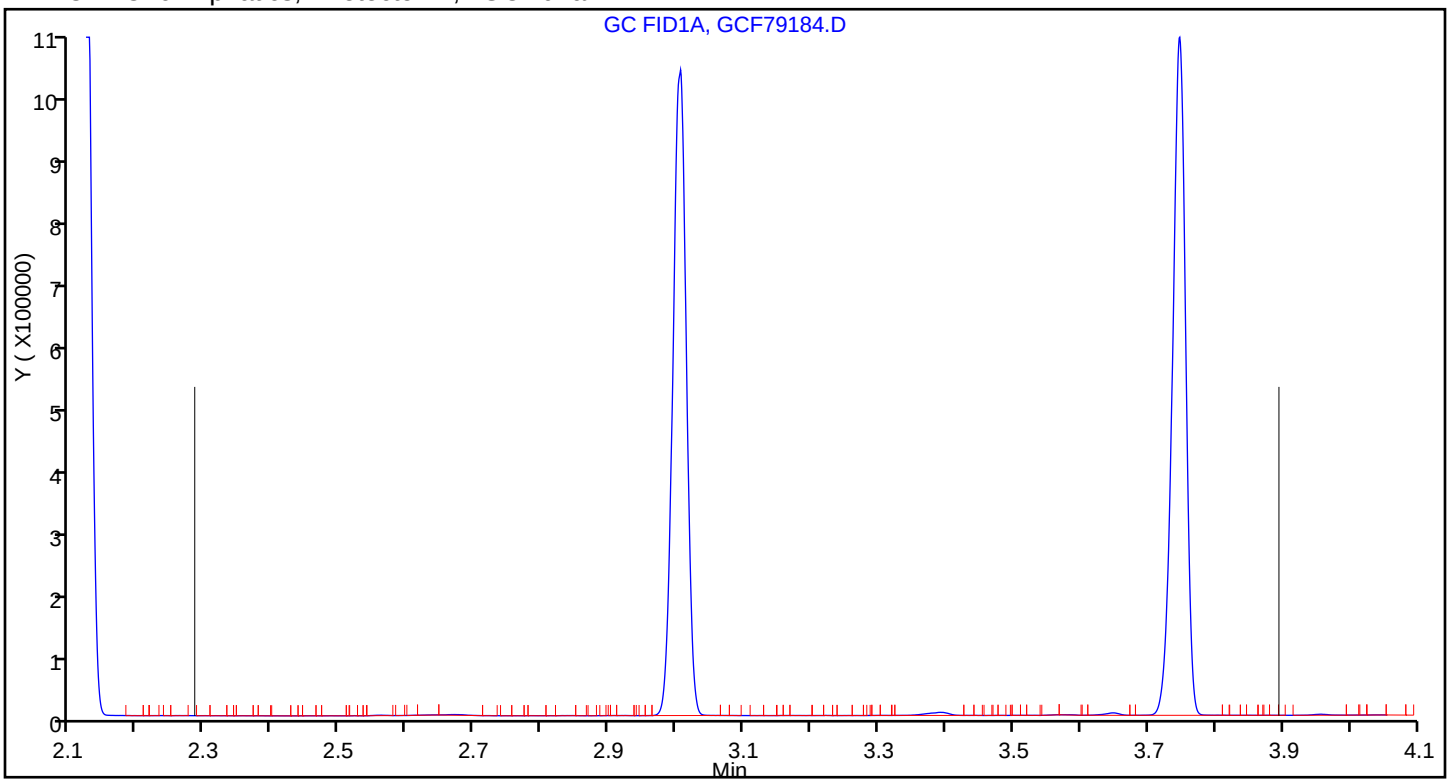
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



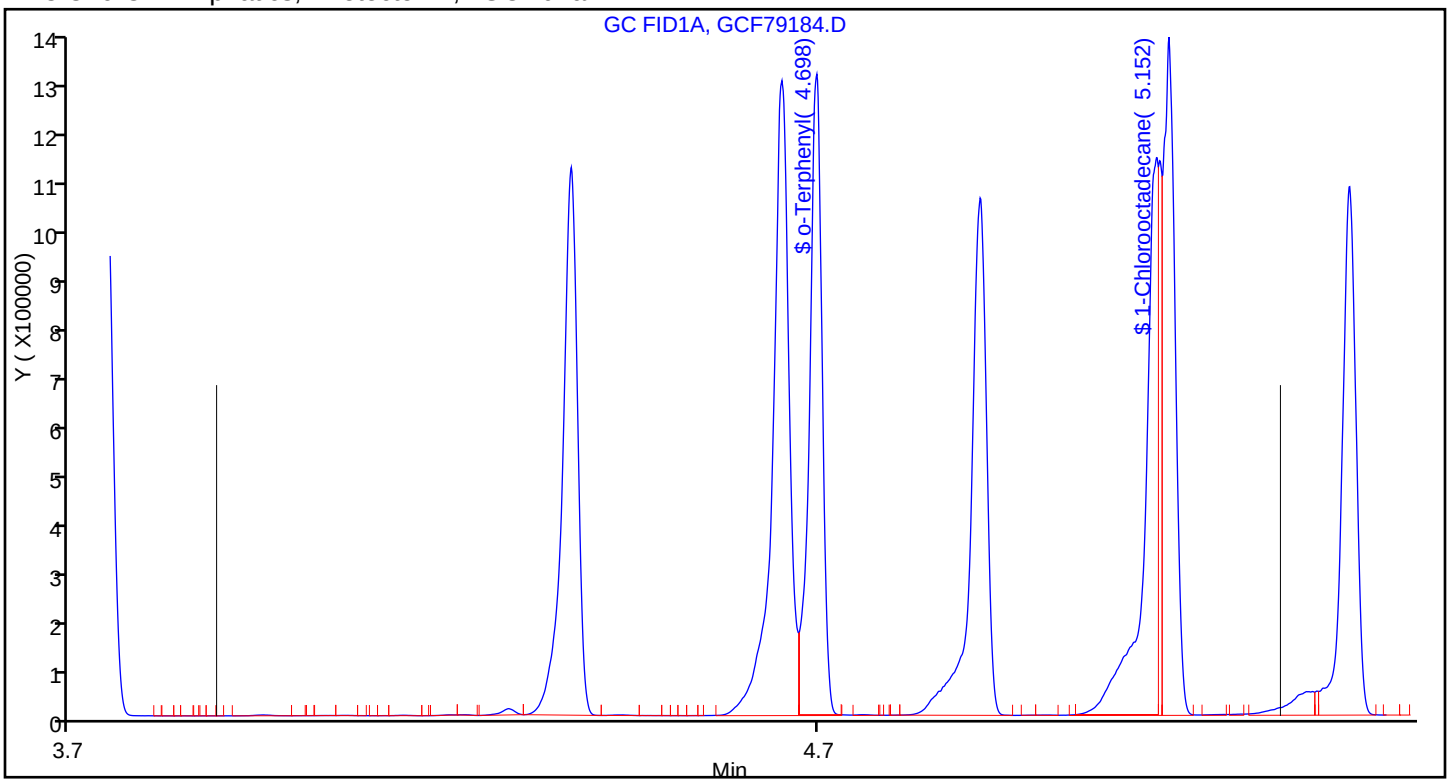
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



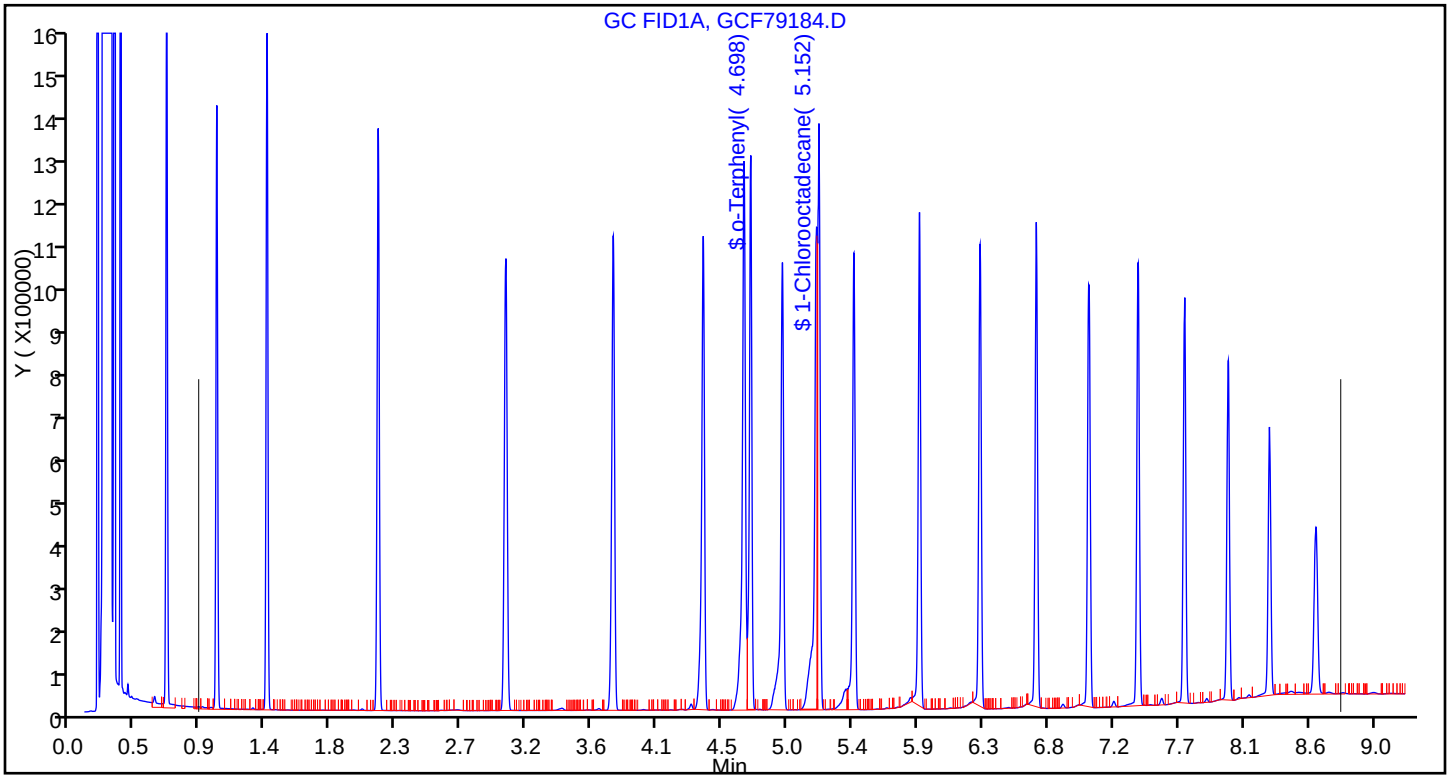
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



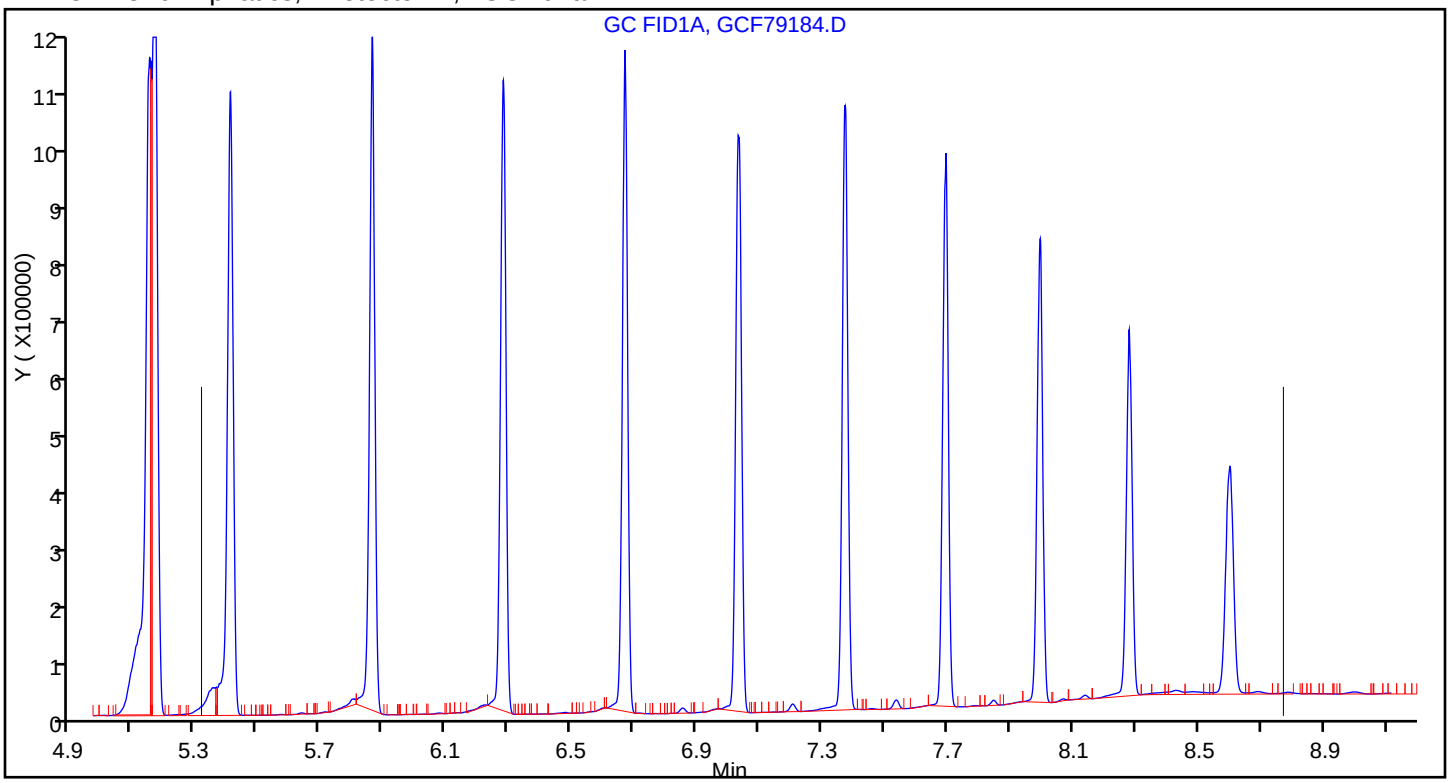
Report Date: 30-Jul-2013 16:30:27 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

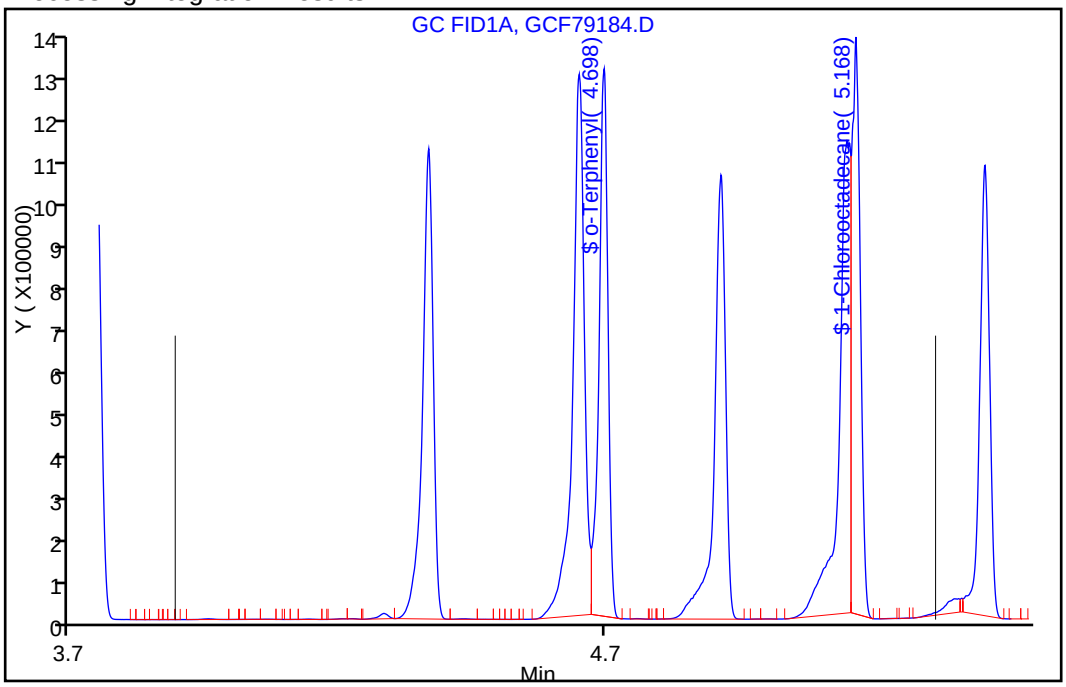
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Signal: 1, Type: quant, RT: 4.61

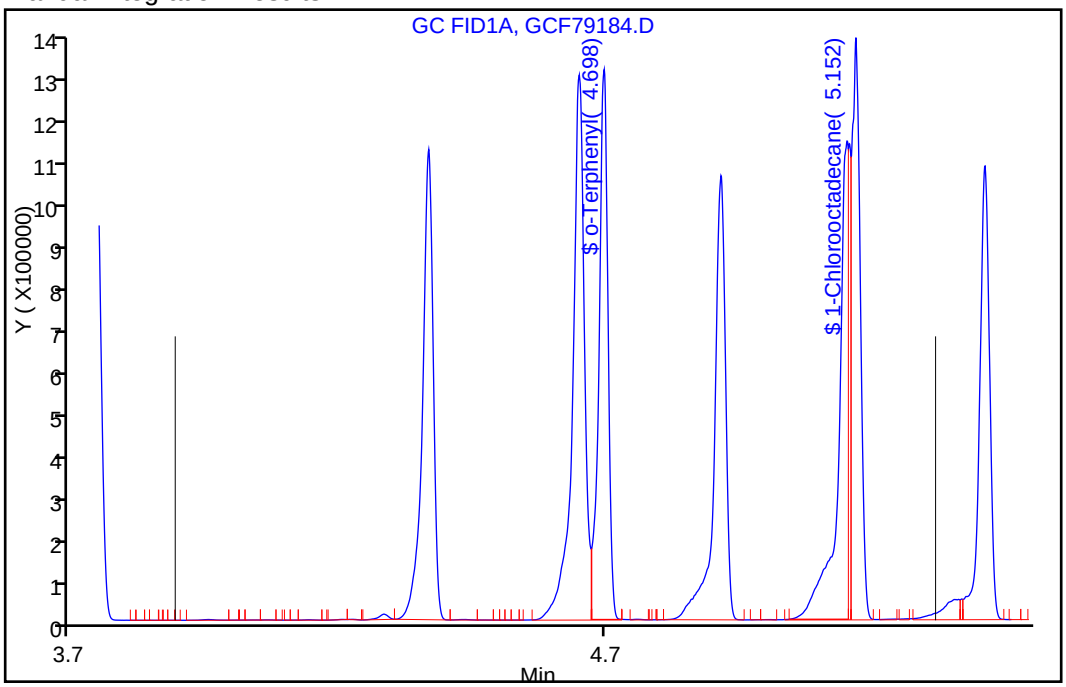
Processing Integration Results

RT: 4.61
Response: 6261788
Amount: 216.2595



Manual Integration Results

RT: 4.61
Response: 6449519
Amount: 222.7430



Reviewer: kimh, 30-Jul-2013 16:30:17
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

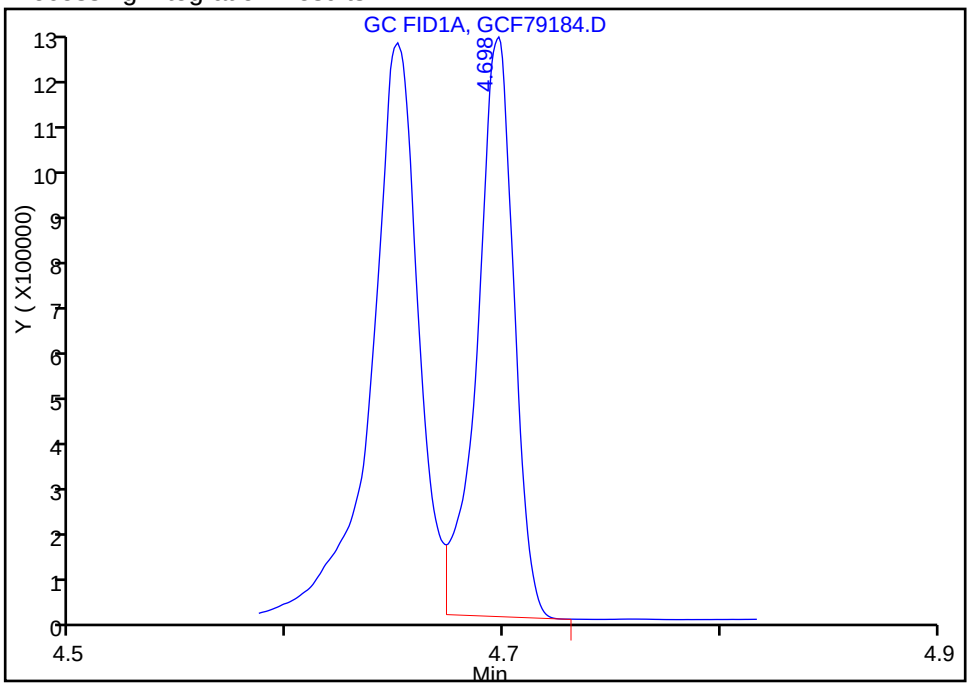
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 6 o-Terphenyl, Signal: 1, Type: quant, RT: 4.70

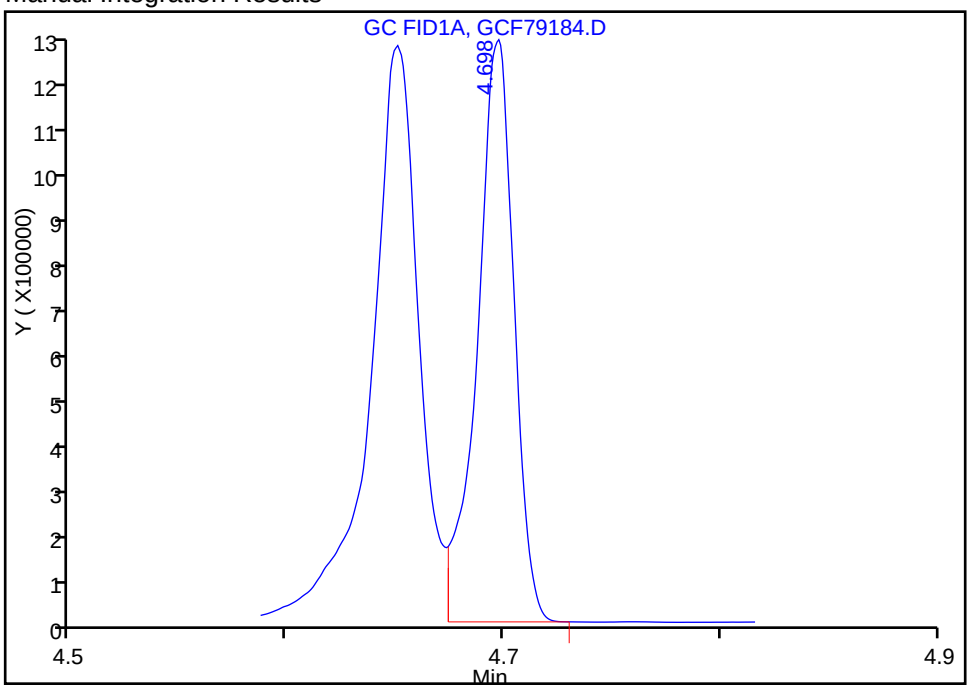
Processing Integration Results

RT: 4.70
Response: 1403029
Amount: 53.039600



Manual Integration Results

RT: 4.70
Response: 1410837
Amount: 53.334770



Reviewer: kimh, 30-Jul-2013 16:30:17
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

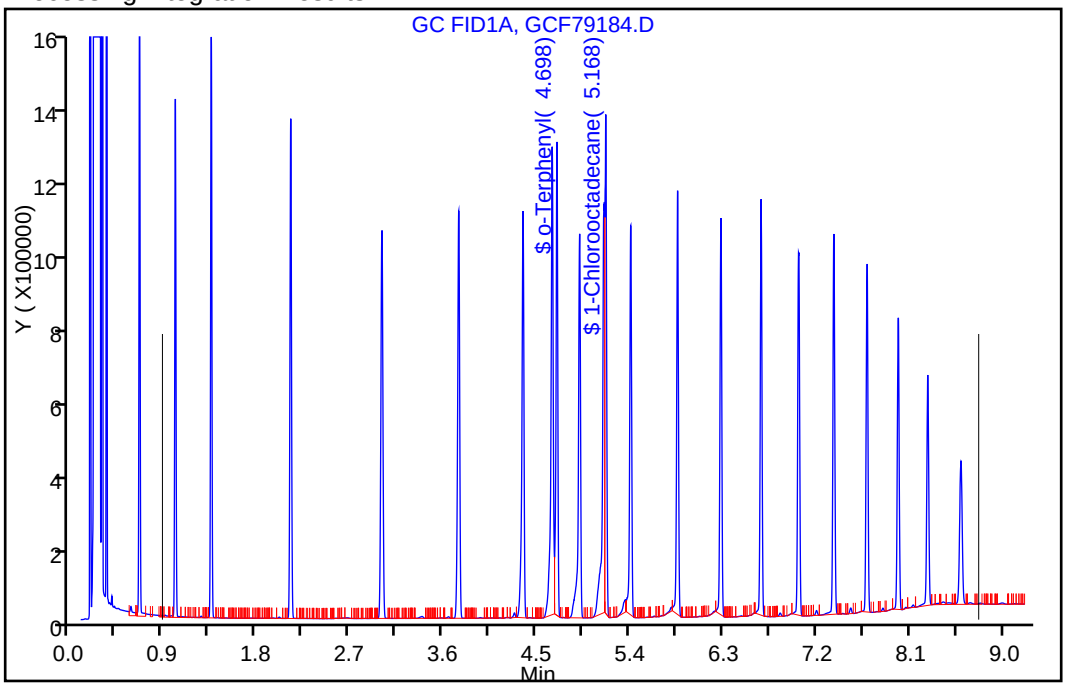
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Signal: 1, Type: quant, RT: 4.83

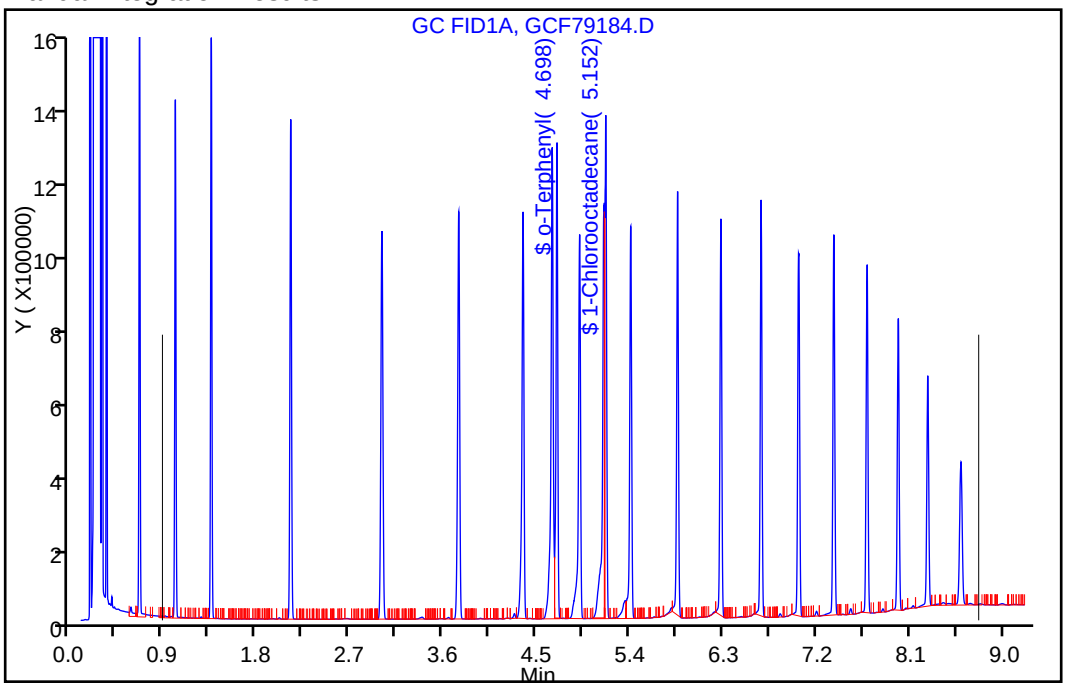
Processing Integration Results

RT: 4.83
Response: 23881219
Amount: 925.3892



Manual Integration Results

RT: 4.83
Response: 24119773
Amount: 934.6331



Reviewer: kimh, 30-Jul-2013 16:30:17
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

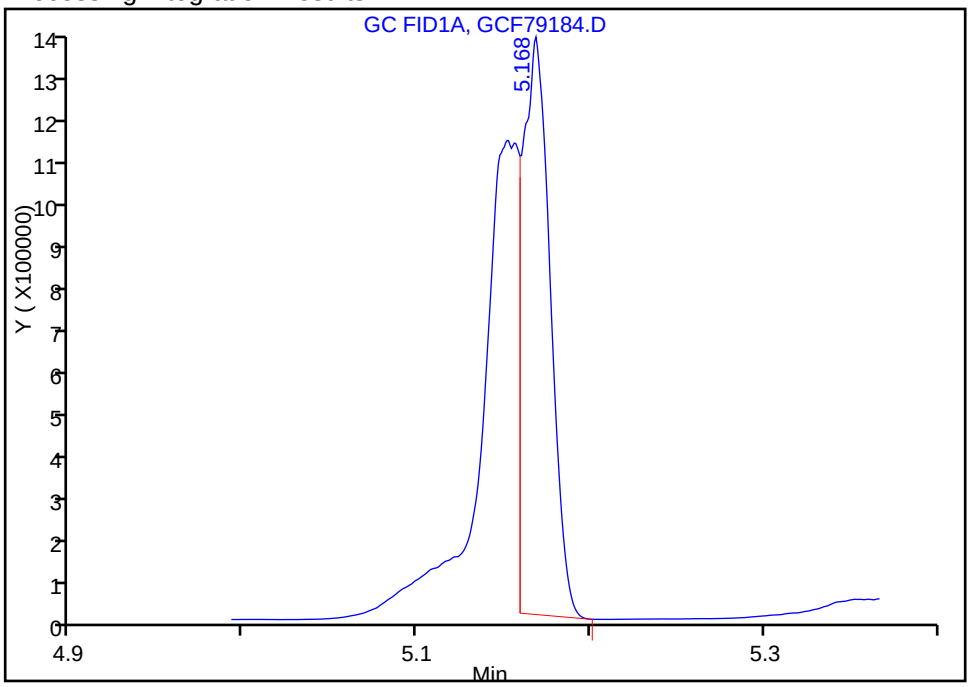
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

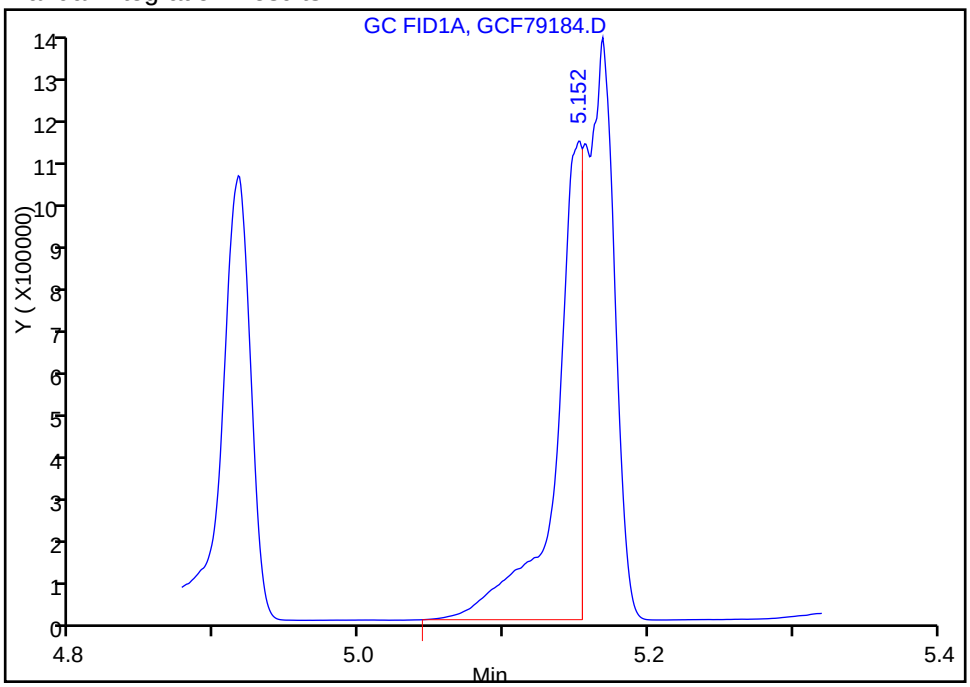
Processing Integration Results

RT: 5.17
Response: 1355653
Amount: 62.190288



Manual Integration Results

RT: 5.15
Response: 1294949
Amount: 59.405505



Reviewer: kimh, 30-Jul-2013 16:30:17
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

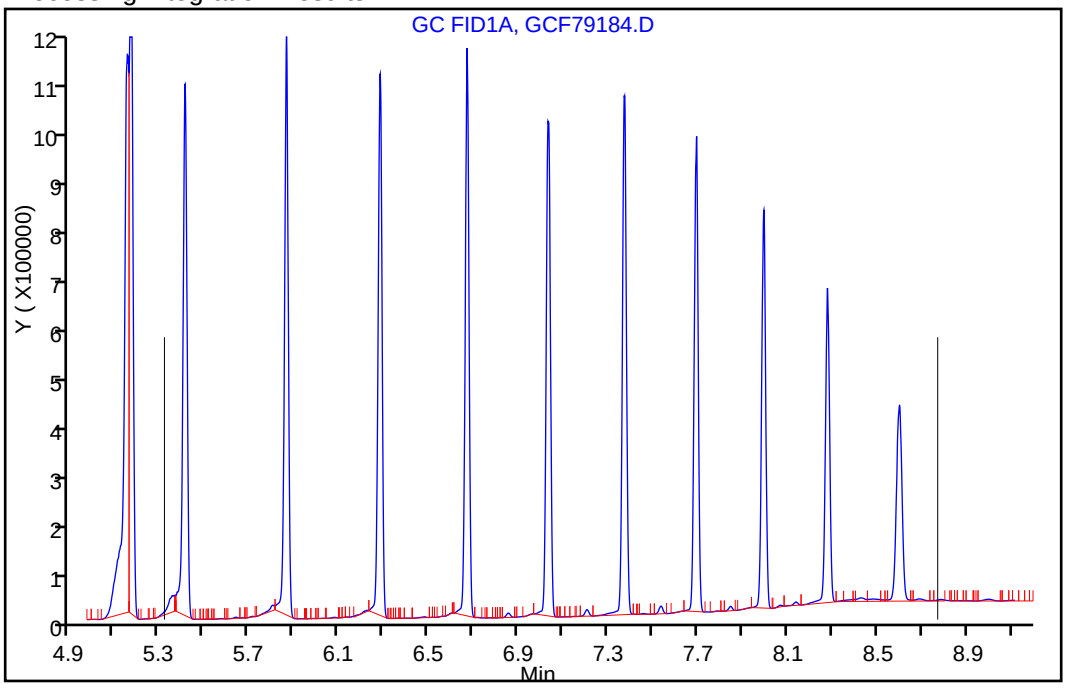
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79184.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Signal: 1, Type: quant, RT: 7.05

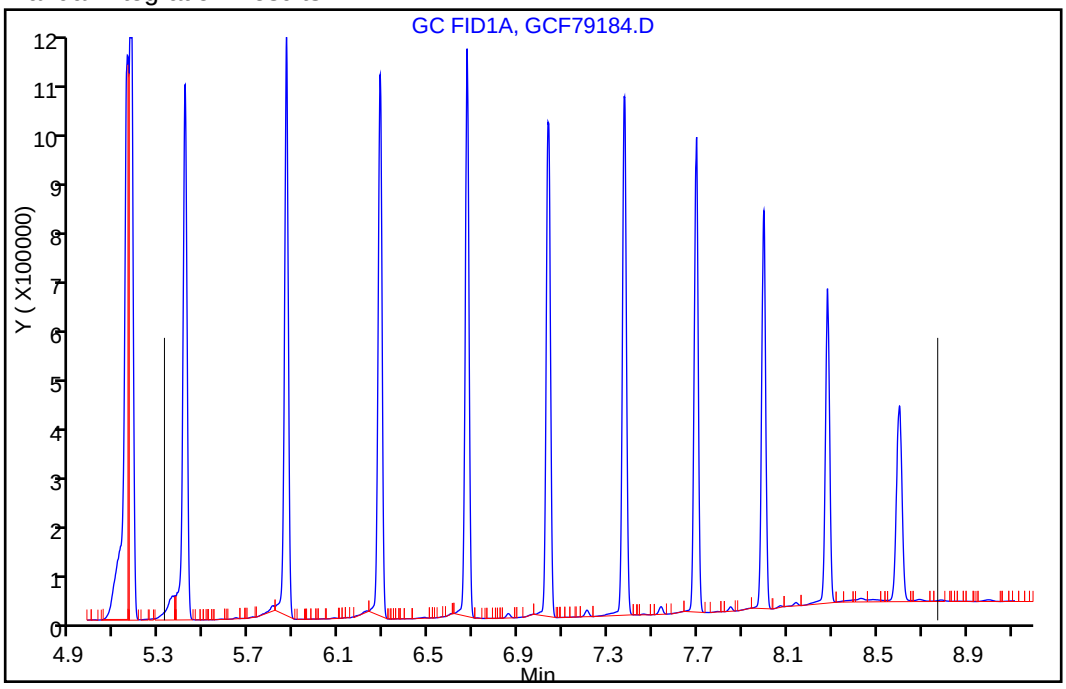
Processing Integration Results

RT: 7.05
Response: 11068341
Amount: 462.0366



Manual Integration Results

RT: 7.05
Response: 11119164
Amount: 464.1582



Reviewer: kimh, 30-Jul-2013 16:30:17
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/28 Calibration Date: 07/30/2013 16:17

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78343.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C10-C12 Aromatics	Ave	37858	39227		155	150	3.6	25.0
C12-C16 Aromatics	Ave	38801	38869		200	200	0.2	25.0
C16-C21 Aromatics	Ave	38922	38470		297	300	-1.2	25.0
C21-C36 Aromatic	Ave	35793	34163		429	450	-4.6	25.0
2-Fluorobiphenyl	Ave	63683	65438		51.4	50.0	2.8	25.0
2-Bromonaphthalene	Ave	41206	42226		51.2	50.0	2.5	25.0
o-Terphenyl	Ave	35650	35228		49.4	50.0	-1.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/28 Calibration Date: 07/30/2013 16:17

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78343.D

Analyte	RT	RT WINDOW	
		FROM	TO
C10-C12 Aromatics	1.74	1.26	2.22
C12-C16 Aromatics	2.83	2.22	3.44
C16-C21 Aromatics	4.39	3.44	5.34
C21-C36 Aromatic	6.48	5.34	7.62
2-Fluorobiphenyl	2.79	2.74	2.84
2-Bromonaphthalene	3.24	3.19	3.29
o-Terphenyl	4.57	4.52	4.62

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	173375	Lims Sample ID:	28
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 16:30:08	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 16:28:44

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.388	1.388	0.0	1873887	0	
A	2 C10-C12 Aromatics					
	1.744	1.264 - 2.223		5884105	155.4	
	12 Naphthalene					
	2.017	2.017	0.0	3863034	0	
$	3 2-Fluorobiphenyl					
	2.785	2.785	0.0	3271885	51.4	
A	4 C12-C16 Aromatics					
	2.833	2.223 - 3.442		7773875	200.4	
$	5 2-Bromonaphthalene					
	3.241	3.241	0.0	2111290	51.2	
	6 Acenaphthene					
	3.283	3.283	0.0	3860010	0	
A	7 C16-C21 Aromatics					
	4.388	3.442 - 5.335		11540905	296.5	
$	8 o-Terphenyl					
	4.568	4.568	0.0	1761390	49.4	
	9 Pyrene					
	5.190	5.190	0.0	3683482	0	
A	10 C21-C36 Aromatic					
	6.478	5.335 - 7.620		15373235	429.5	
	11 Benzo[g,h,i]perylene					
	7.495	7.495	0.0	3297851	0	

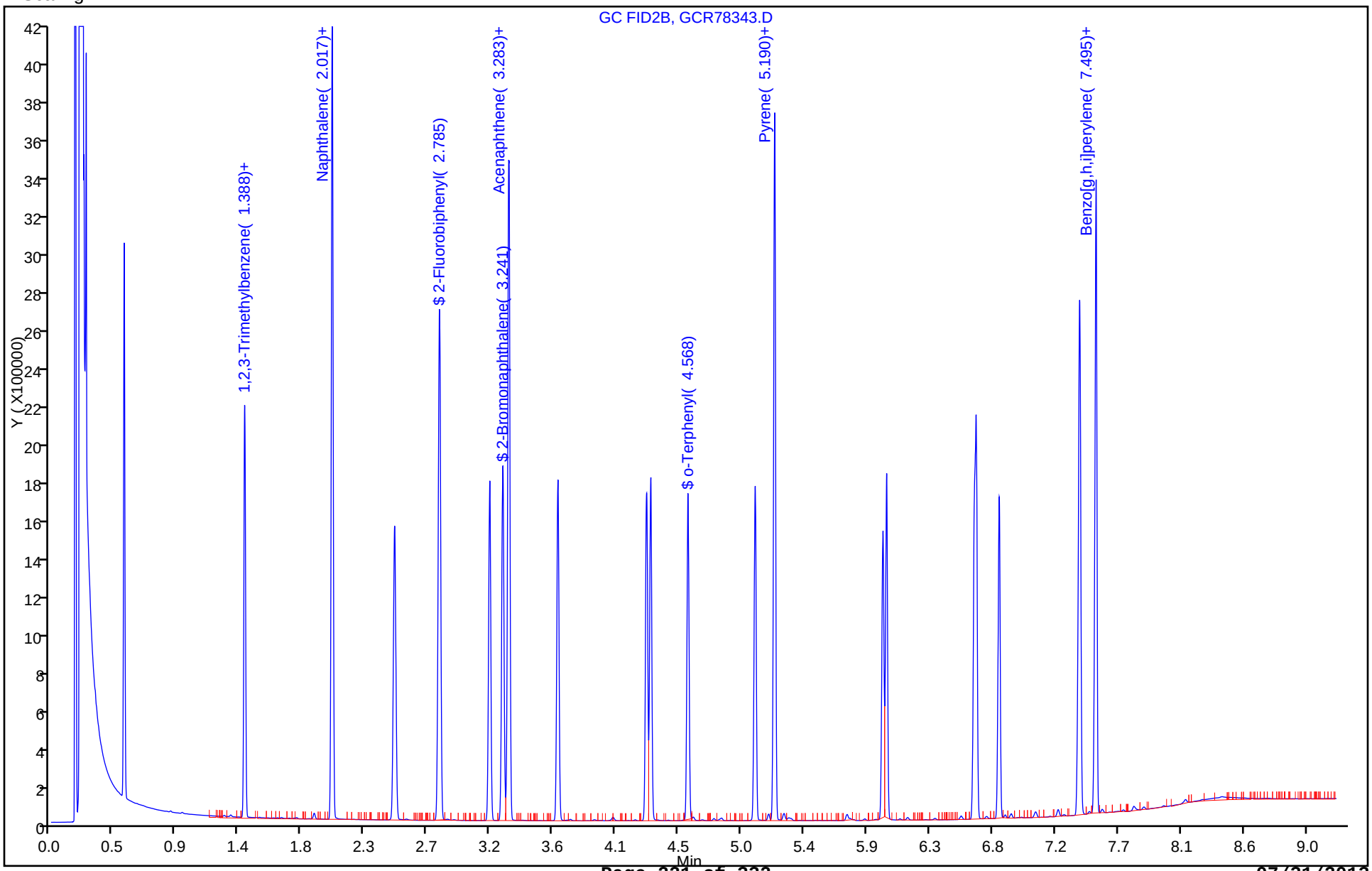
Report Date: 30-Jul-2013 16:30:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D

Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

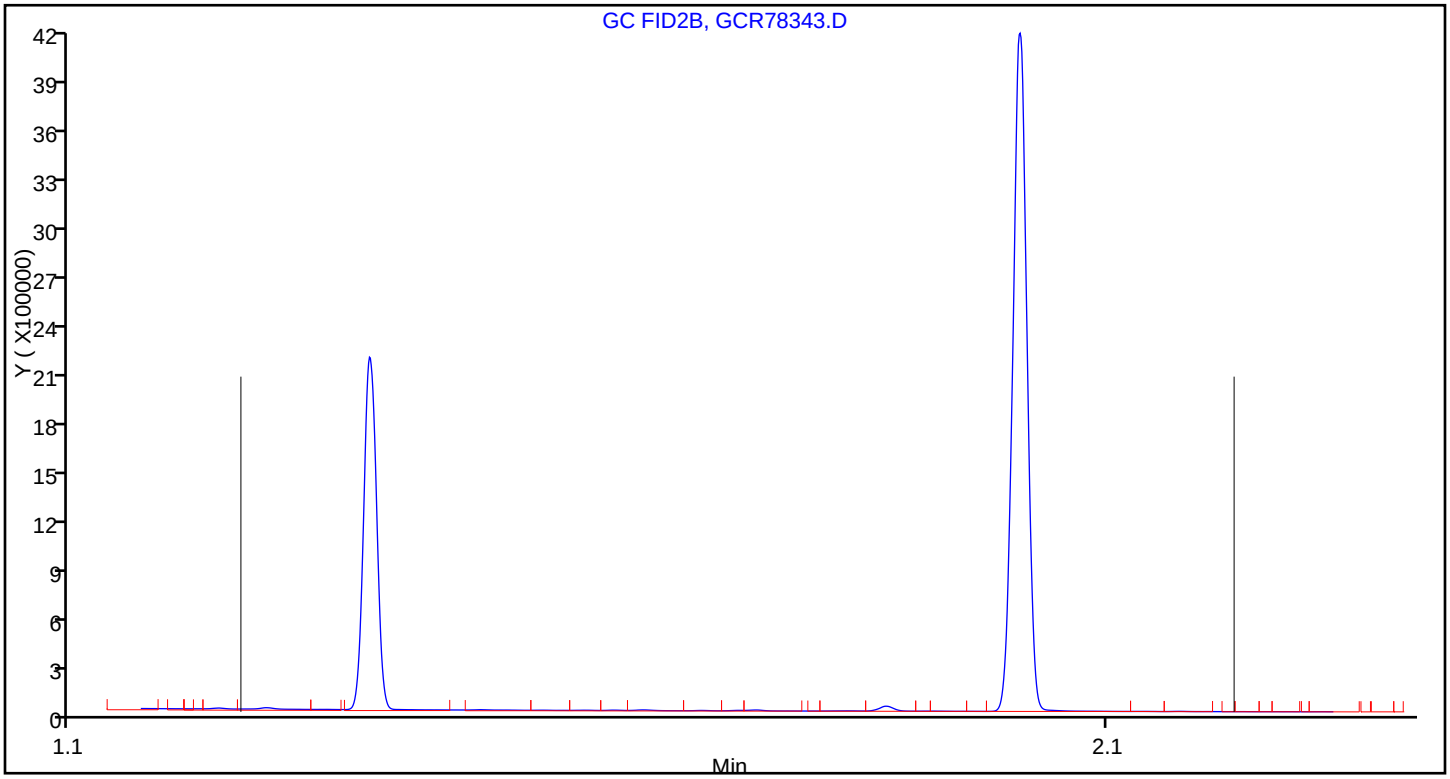


Report Date: 30-Jul-2013 16:30:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

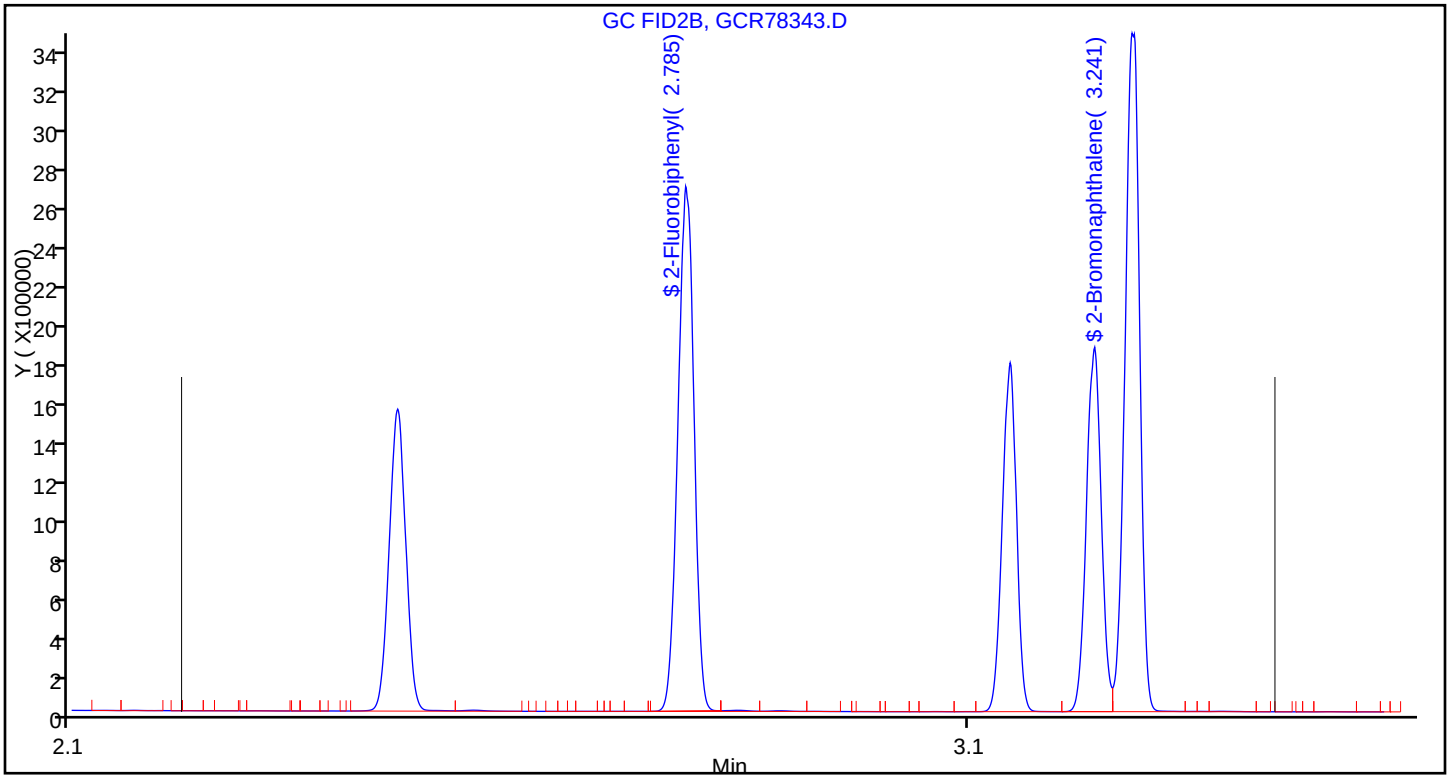


Report Date: 30-Jul-2013 16:30:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

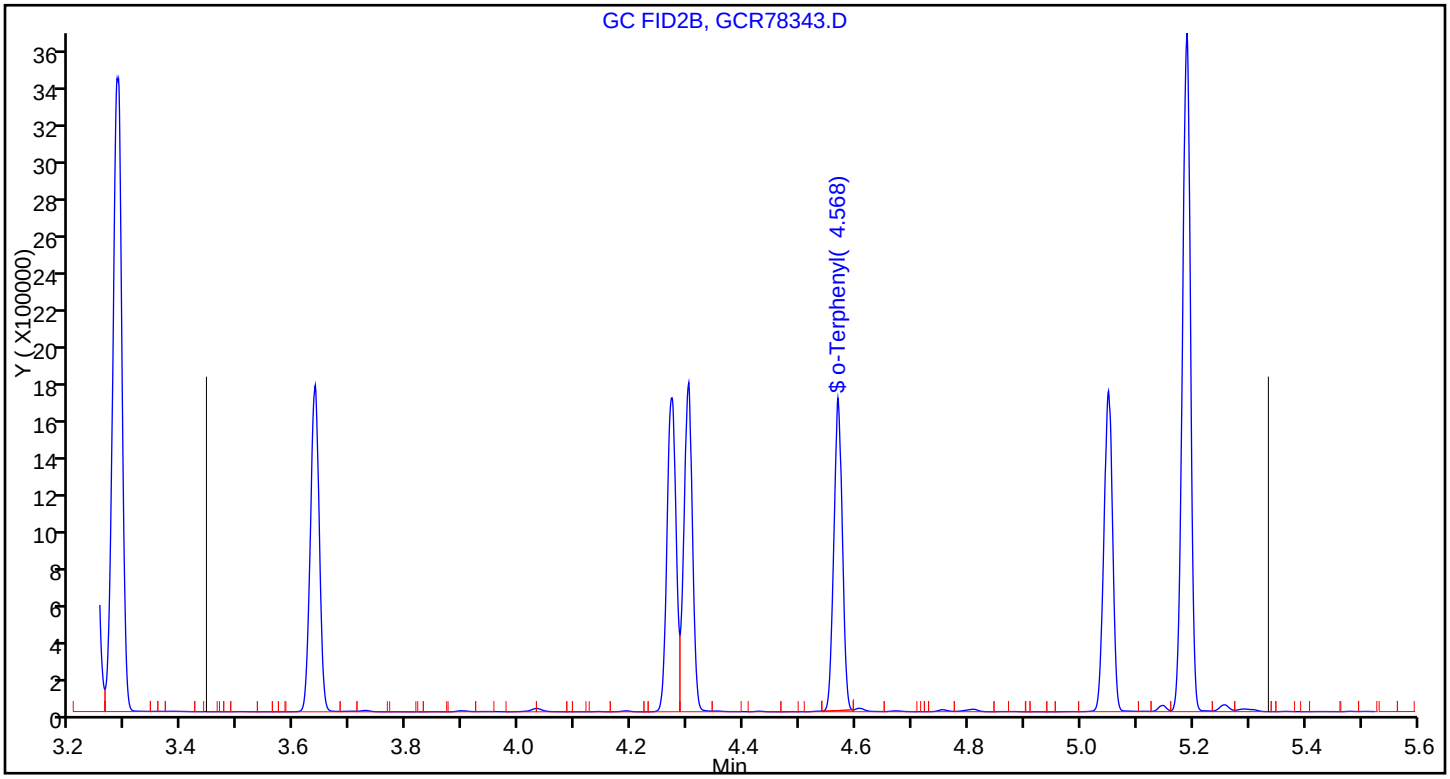


Report Date: 30-Jul-2013 16:30:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

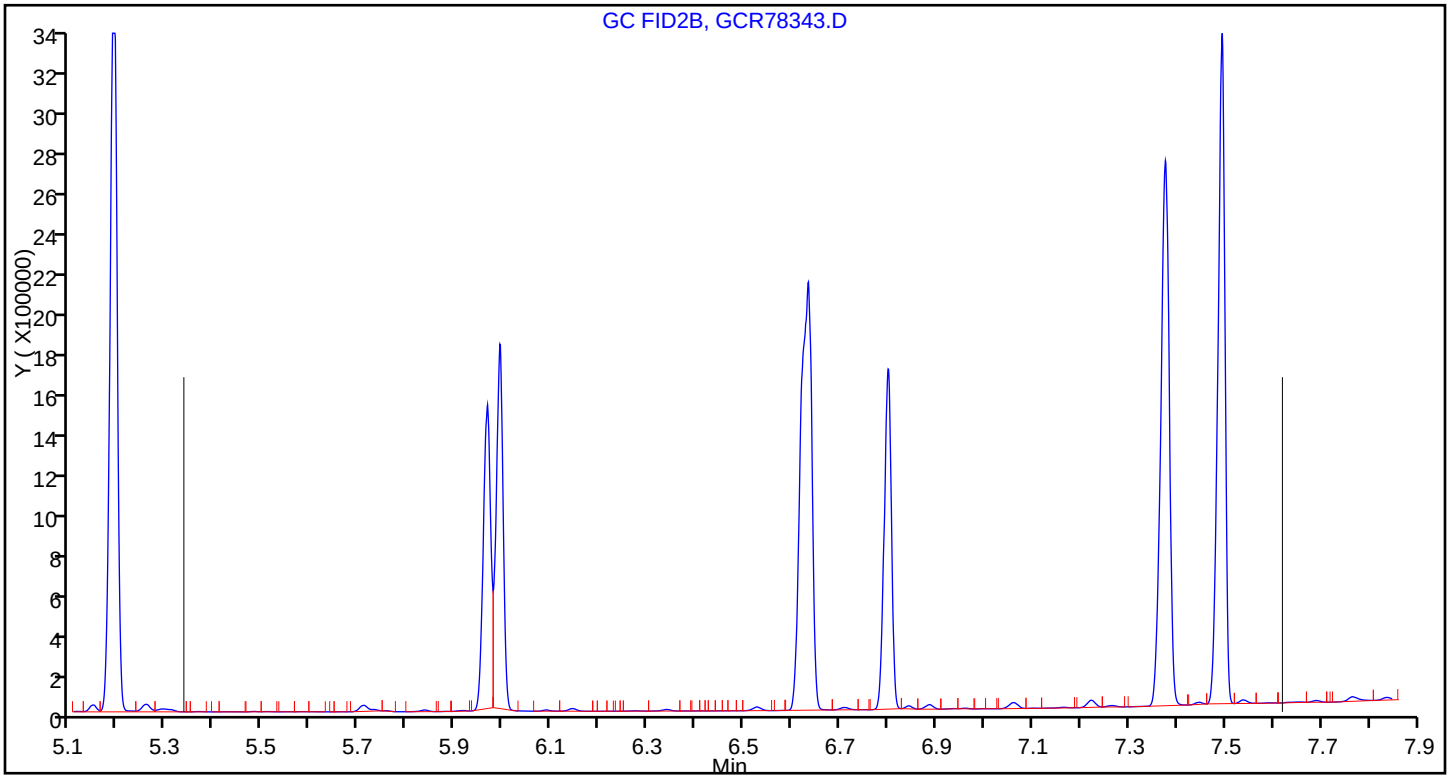


Report Date: 30-Jul-2013 16:30:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78343.D		
Injection Date:	30-Jul-2013 16:17:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	28
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/30 Calibration Date: 07/30/2013 20:23

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79201.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C9-C12 Aliphatics	Ave	23609	24989		159	150	5.8	25.0
C12-C16 Aliphatics	Ave	25568	28109		110	100	9.9	25.0
C16-C21 Aliphatics	Ave	28955	24085		166	200	-16.8	25.0
Total EPH (C9-C40)	Ave	25807	24272		894	950	-5.9	25.0
C21-C40 Aliphatics	Ave	23956	23365		488	500	-2.5	25.0
o-Terphenyl	Ave	26452	28473		53.8	50.0	7.6	25.0
1-Chlorooctadecane	Ave	21798	27130		62.2	50.0	24.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173419/30 Calibration Date: 07/30/2013 20:23

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCF79201.D

Analyte	RT	RT WINDOW	
		FROM	TO
C9-C12 Aliphatics	1.58	0.88	2.28
C12-C16 Aliphatics	3.09	2.28	3.90
C16-C21 Aliphatics	4.61	3.90	5.32
Total EPH (C9-C40)	4.83	0.88	8.77
C21-C40 Aliphatics	7.05	5.32	8.77
o-Terphenyl	4.70	4.65	4.75
1-Chlorooctadecane	5.15	5.11	5.21

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 20:23:56	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	173419	Lims Sample ID:	30
Sublist:	chrom-ALEPH4F*sub1		
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:59	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		
First Level Reviewer: kimh		Date:	31-Jul-2013 08:13:13

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.009	1.008	0.001	1077556	0	
A 1 C9-C12 Aliphatics	1.584	0.883 - 2.284		3748337	158.8	
9 Dodecane	2.122	2.117	0.005	1328413	0	
A 2 C12-C16 Aliphatics	3.089	2.284 - 3.895		2810938	109.9	
10 Hexadecane	3.748	3.749	-0.001	1401300	0	
A 3 C16-C21 Aliphatics	4.606	3.895 - 5.317		4817058	166.4	
$ 6 o-Terphenyl	4.696	4.703	-0.007	1423652	53.8	
A 5 C9-C40	4.828	0.883 - 8.773		23058801	893.5	
$ 7 1-Chlorooctadecane	5.151	5.162	-0.011	1356475	62.2	M
11 C21		5.176				
A 4 C21-C40 Aliphatics	7.045	5.317 - 8.773		11682468	487.7	
12 C40	8.601	8.620	-0.019	680624	0	

QC Flag Legend

Review Flags
M - Manually Integrated

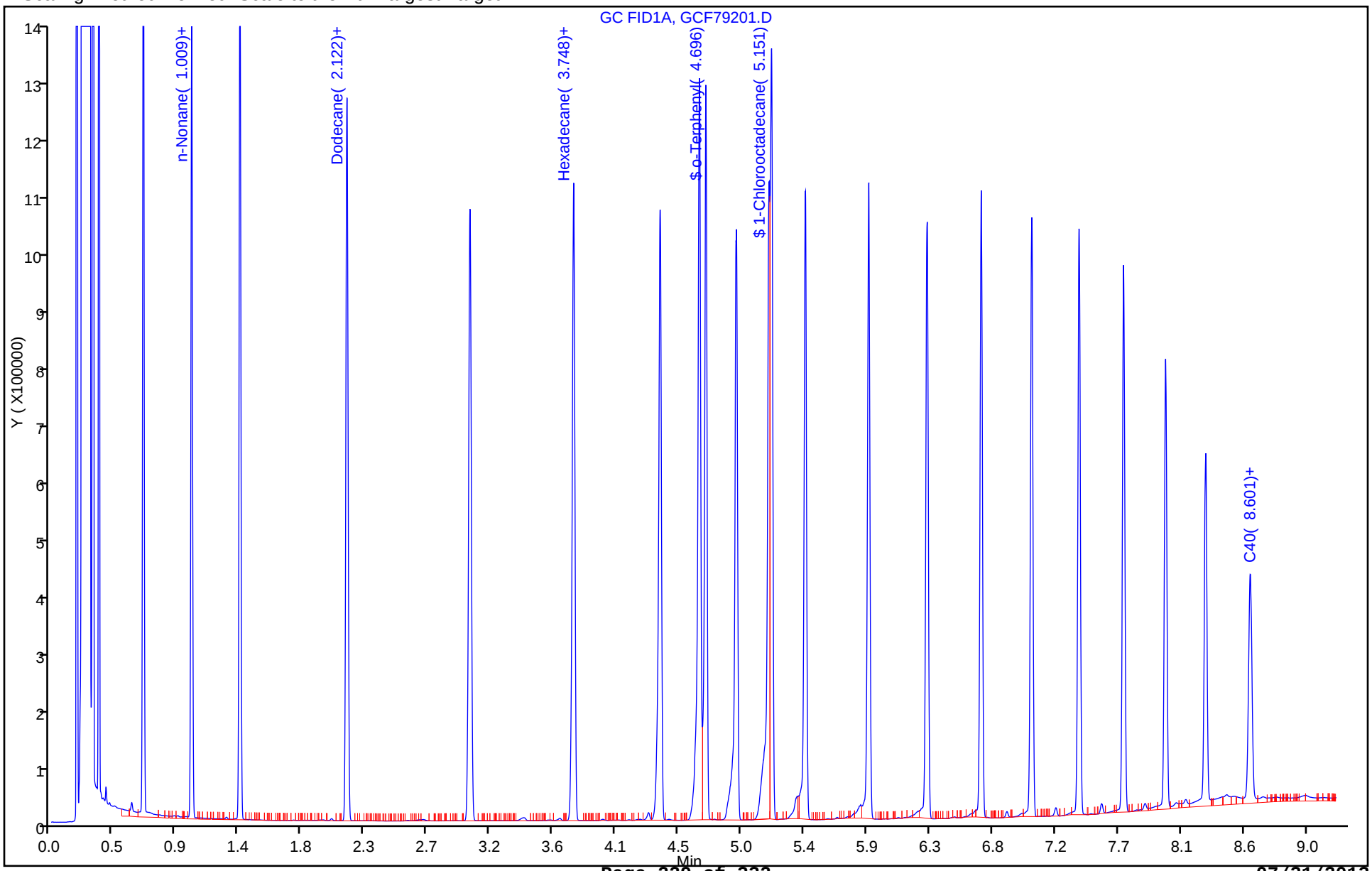
Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



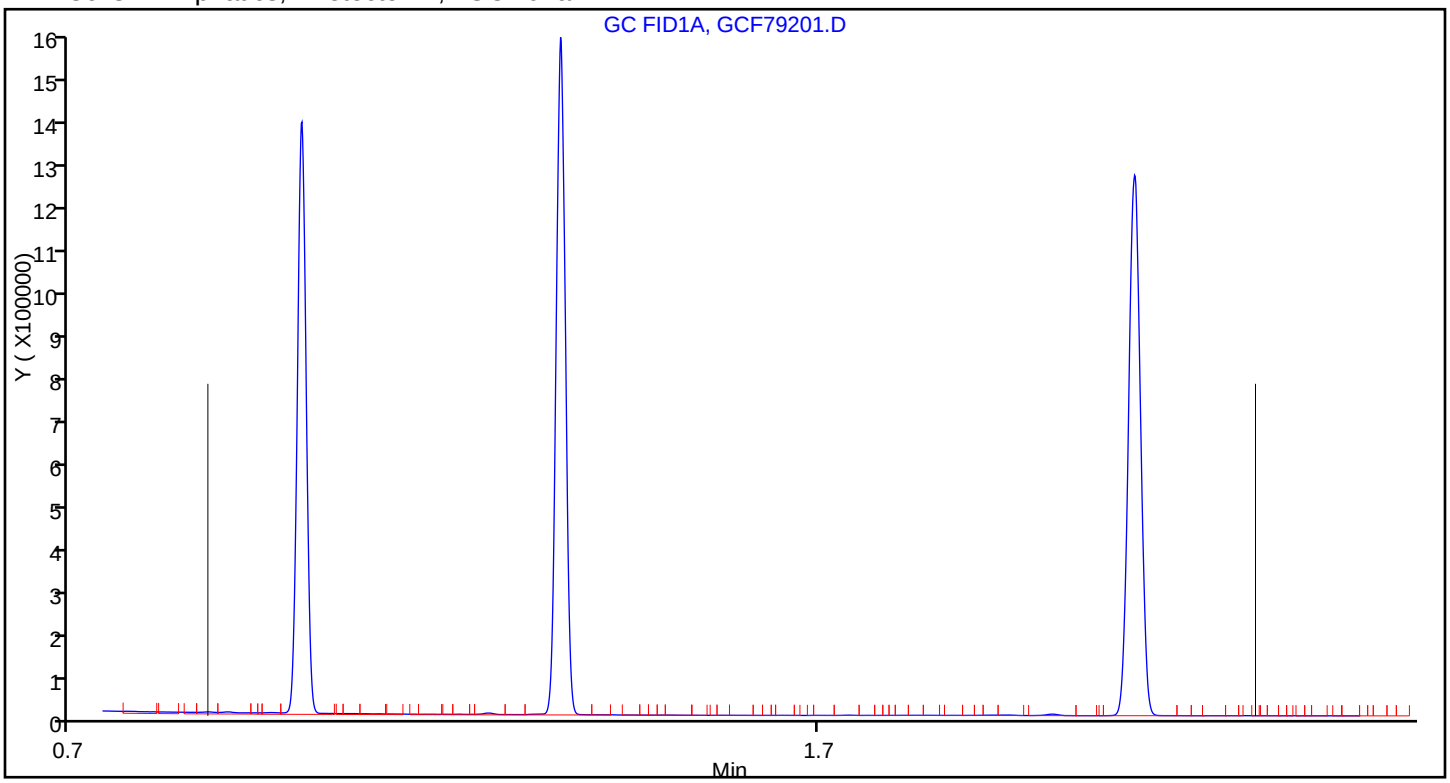
Report Date: 31-Jul-2013 08:14:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



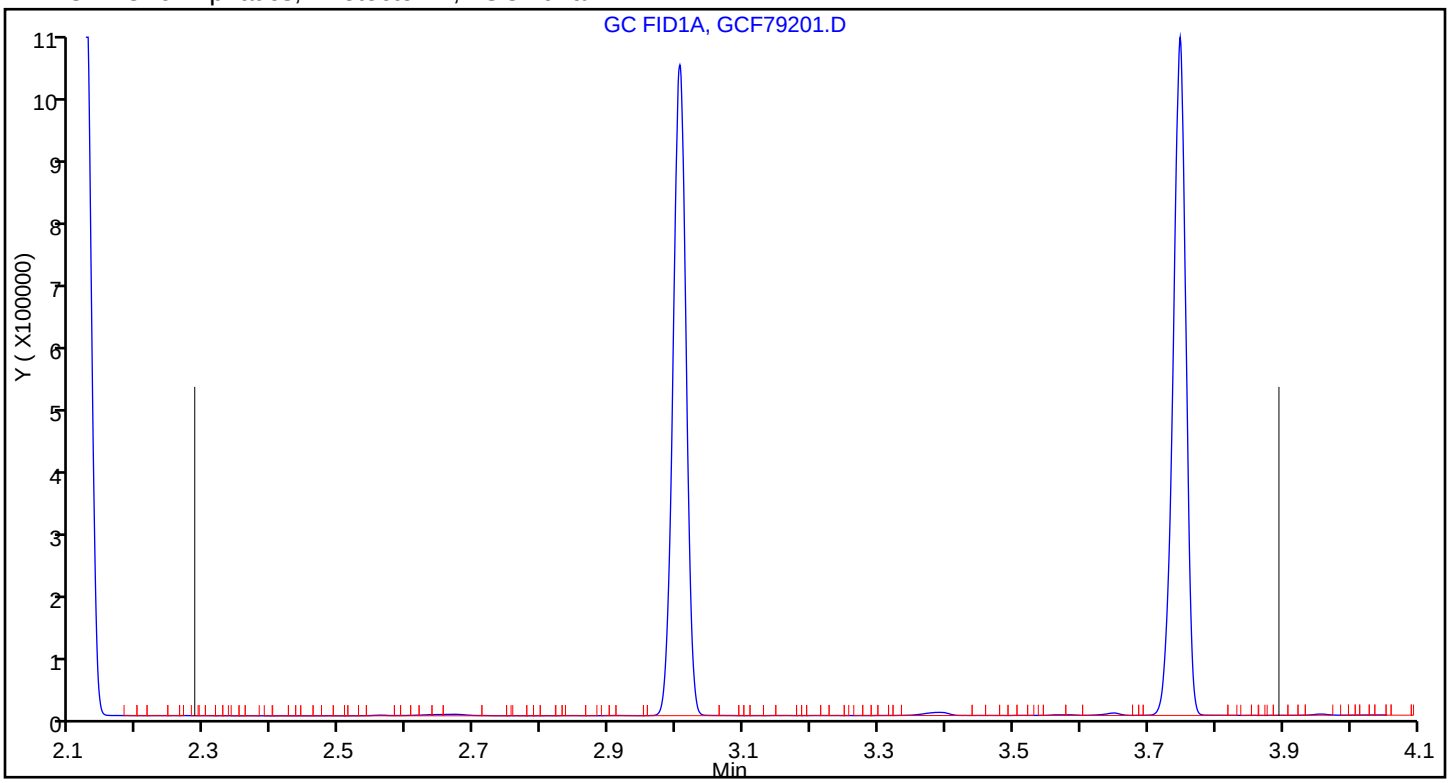
Report Date: 31-Jul-2013 08:14:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



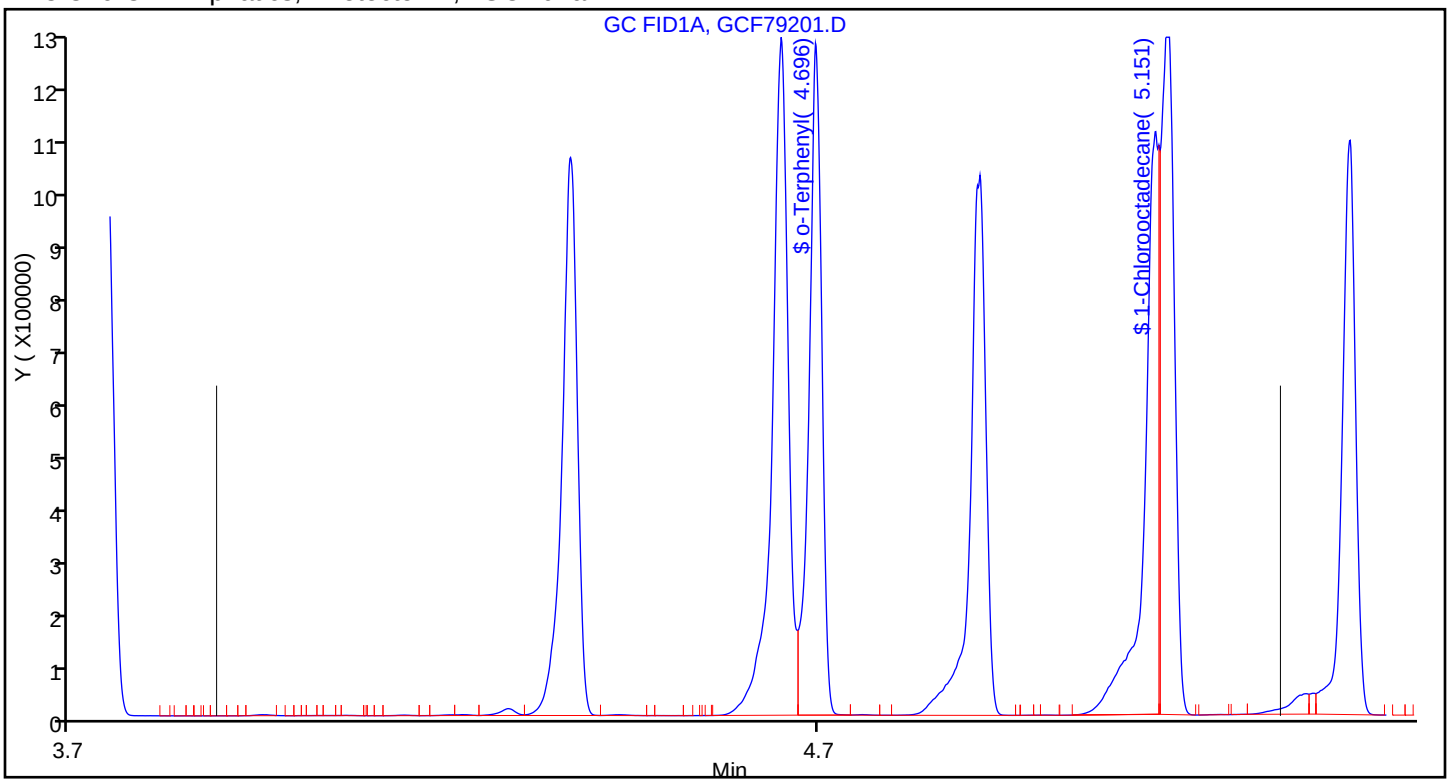
Report Date: 31-Jul-2013 08:14:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



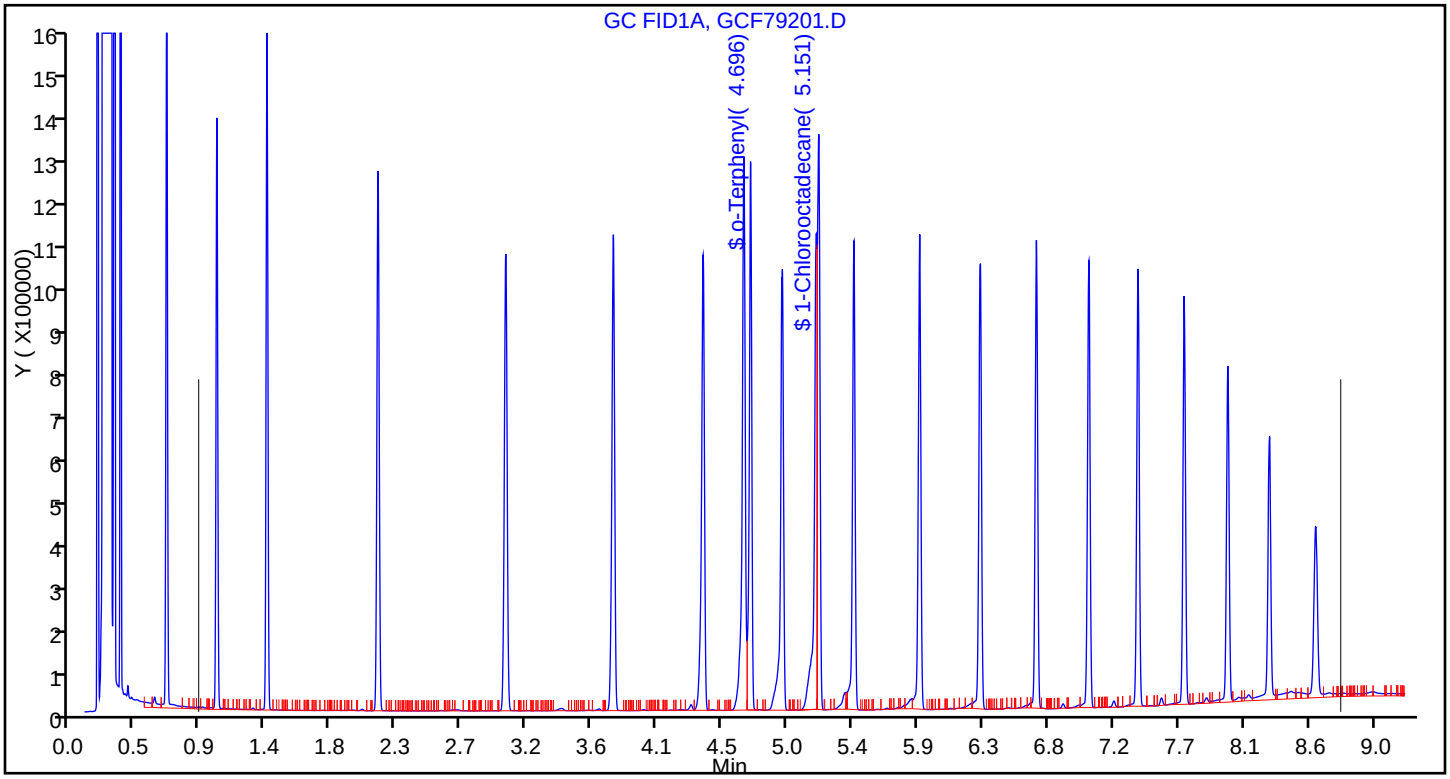
Report Date: 31-Jul-2013 08:14:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 5 C9-C40, Detector: 1, GC fid1a



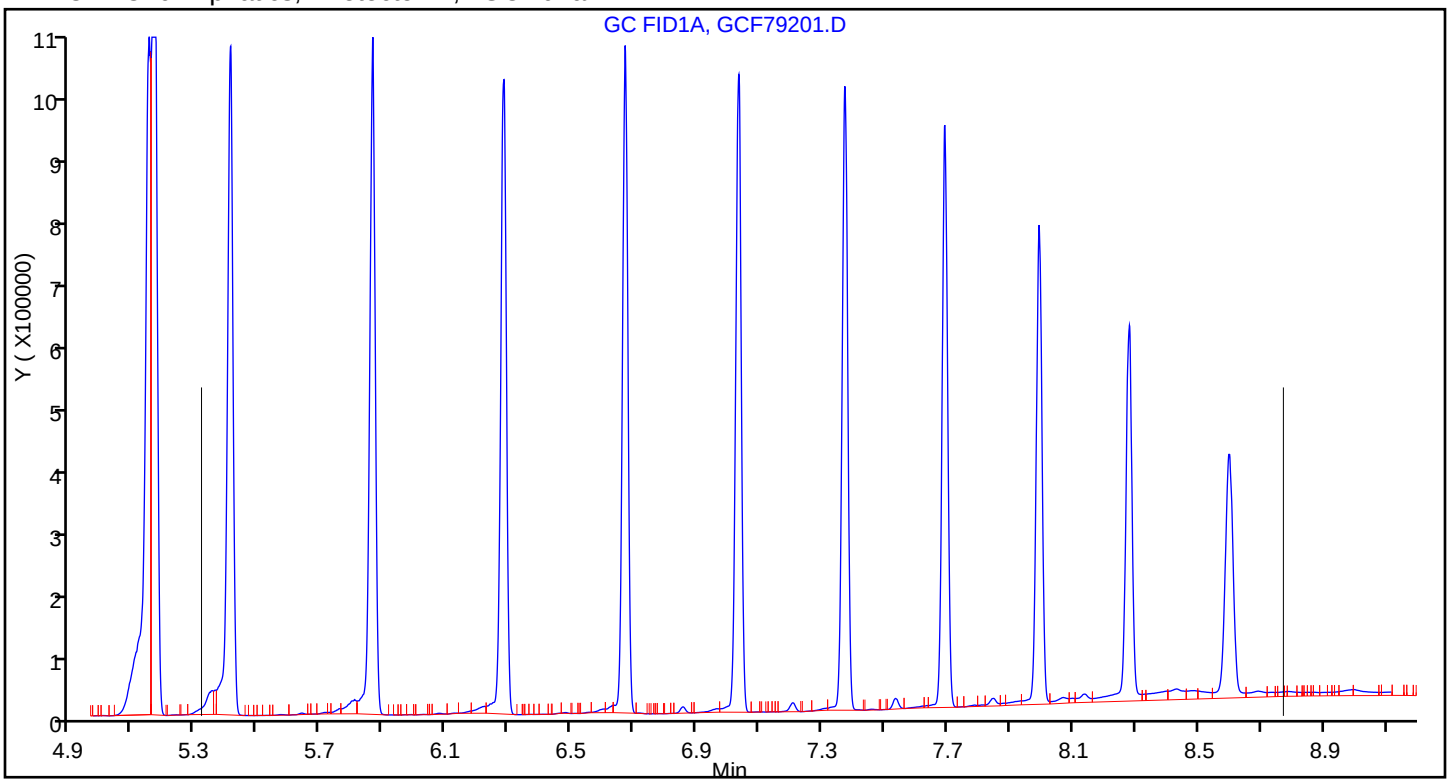
Report Date: 31-Jul-2013 08:14:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



Manual Integration/User Assign Peak Report

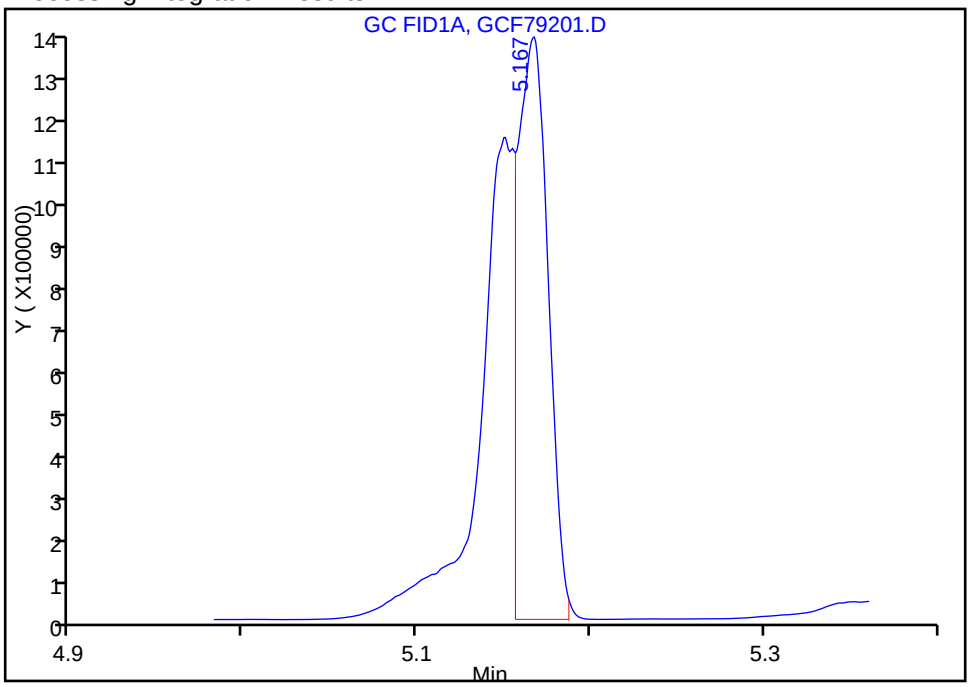
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79201.D		
Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

$ 7 1-Chlorooctadecane, Signal: 1, Type: quant, RT: 5.16

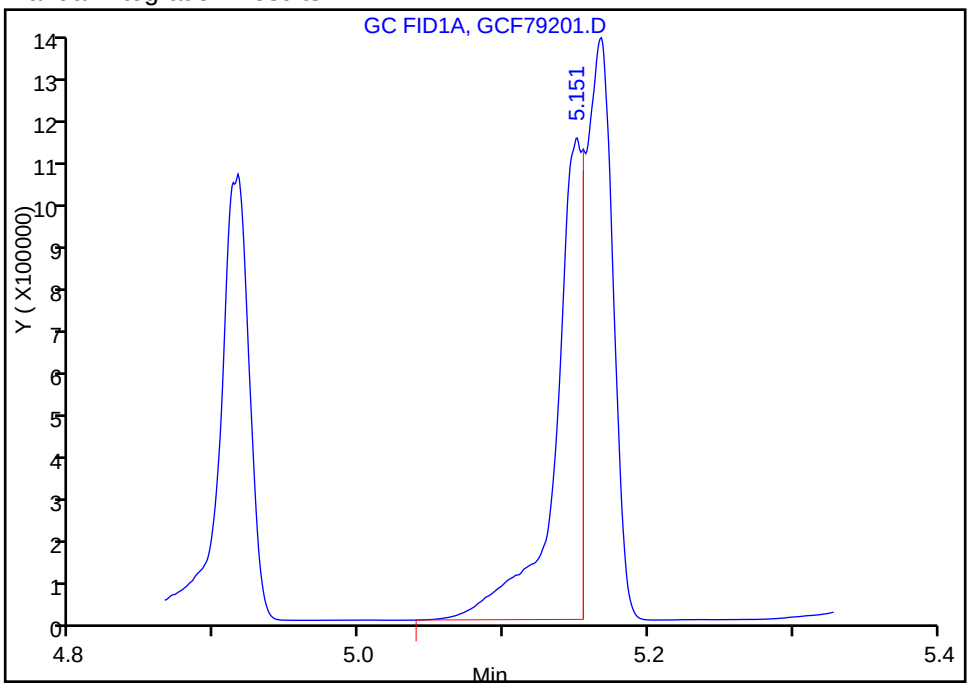
Processing Integration Results

RT: 5.17
Response: 1485607
Amount: 68.151899



Manual Integration Results

RT: 5.15
Response: 1356475
Amount: 62.227997



Reviewer: kimh, 31-Jul-2013 08:13:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/30 Calibration Date: 07/30/2013 20:23

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78360.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C10-C12 Aromatics	Ave	37858	38202		151	150	0.9	25.0
C12-C16 Aromatics	Ave	38801	38059		196	200	-1.9	25.0
C16-C21 Aromatics	Ave	38922	37728		291	300	-3.1	25.0
C21-C36 Aromatic	Ave	35793	34163		430	450	-4.6	25.0
2-Fluorobiphenyl	Ave	63683	63960		50.2	50.0	0.4	25.0
2-Bromonaphthalene	Ave	41206	41217		50.0	50.0	0.0	25.0
o-Terphenyl	Ave	35650	34617		48.6	50.0	-2.9	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Lab Sample ID: CCV 460-173375/30 Calibration Date: 07/30/2013 20:23

Instrument ID: CBNAGC4 Calib Start Date: 06/10/2013 17:08

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 06/10/2013 18:06

Lab File ID: GCR78360.D

Analyte	RT	RT WINDOW	
		FROM	TO
C10-C12 Aromatics	1.74	1.26	2.21
C12-C16 Aromatics	2.83	2.21	3.45
C16-C21 Aromatics	4.39	3.45	5.34
C21-C36 Aromatic	6.48	5.34	7.62
2-Fluorobiphenyl	2.79	2.74	2.84
2-Bromonaphthalene	3.24	3.19	3.29
o-Terphenyl	4.57	4.52	4.62

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Jul-2013 20:23:56	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	173375	Lims Sample ID:	30
Sublist:	chrom-AREPH4R*sub1		
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:04:17	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		
First Level Reviewer: kimh		Date:	31-Jul-2013 06:14:17

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.389	1.389	0.0	1830773	0	
A	2 C10-C12 Aromatics					
	1.736	1.263 - 2.209		5730344	151.4	
	12 Naphthalene					
	2.017	2.017	0.0	3784391	0	
$	3 2-Fluorobiphenyl					
	2.786	2.786	0.0	3198010	50.2	
A	4 C12-C16 Aromatics					
	2.827	2.209 - 3.445		7611859	196.2	
$	5 2-Bromonaphthalene					
	3.242	3.242	0.0	2060859	50.0	
	6 Acenaphthene					
	3.283	3.283	0.0	3780356	0	
A	7 C16-C21 Aromatics					
	4.390	3.445 - 5.335		11318312	290.8	
$	8 o-Terphenyl					
	4.568	4.568	0.0	1730853	48.6	
	9 Pyrene					
	5.189	5.189	0.0	3630238	0	
A	10 C21-C36 Aromatic					
	6.477	5.335 - 7.618		15373294	429.5	
	11 Benzo[g,h,i]perylene					
	7.494	7.494	0.0	3299871	0	

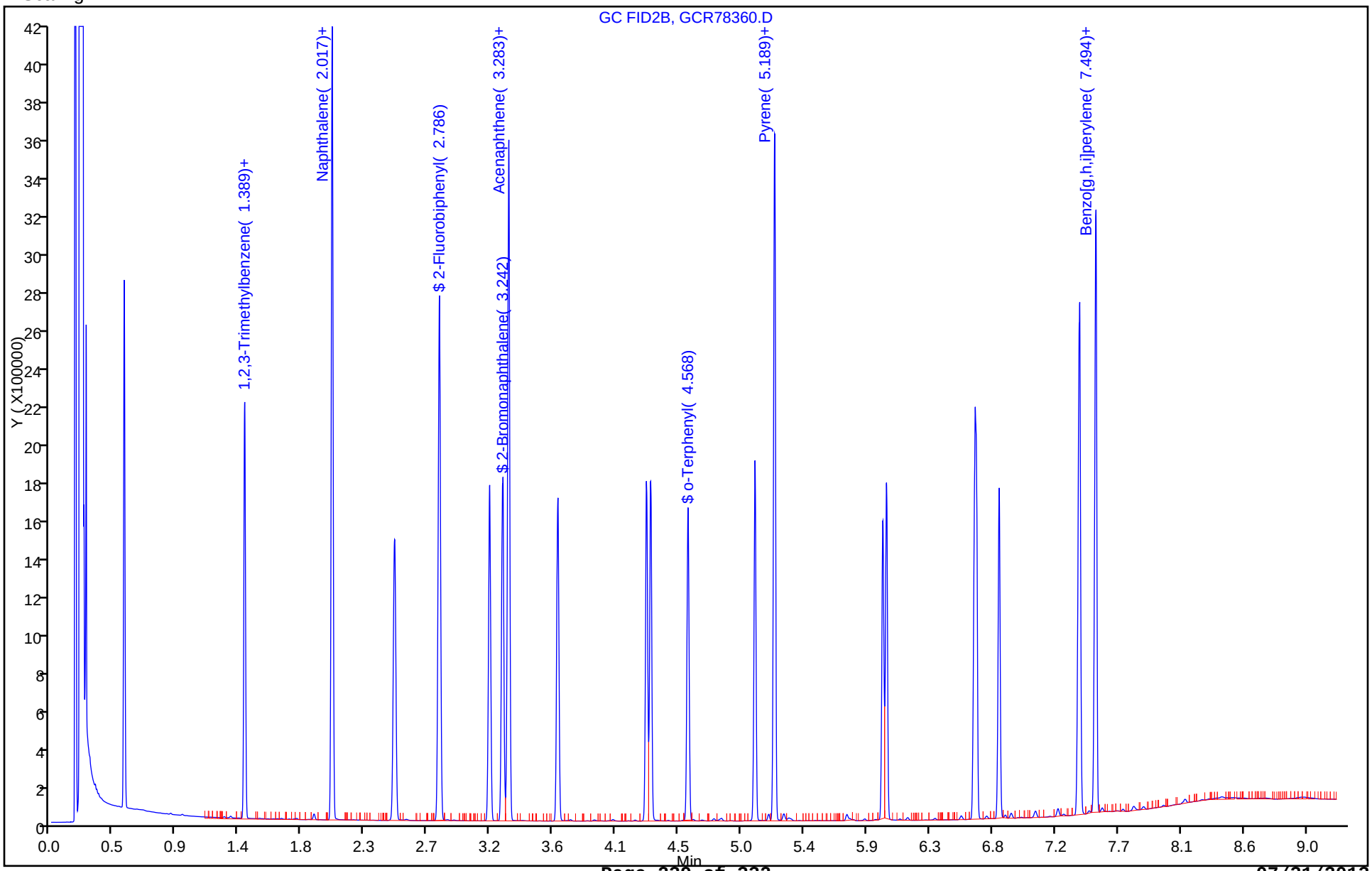
Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

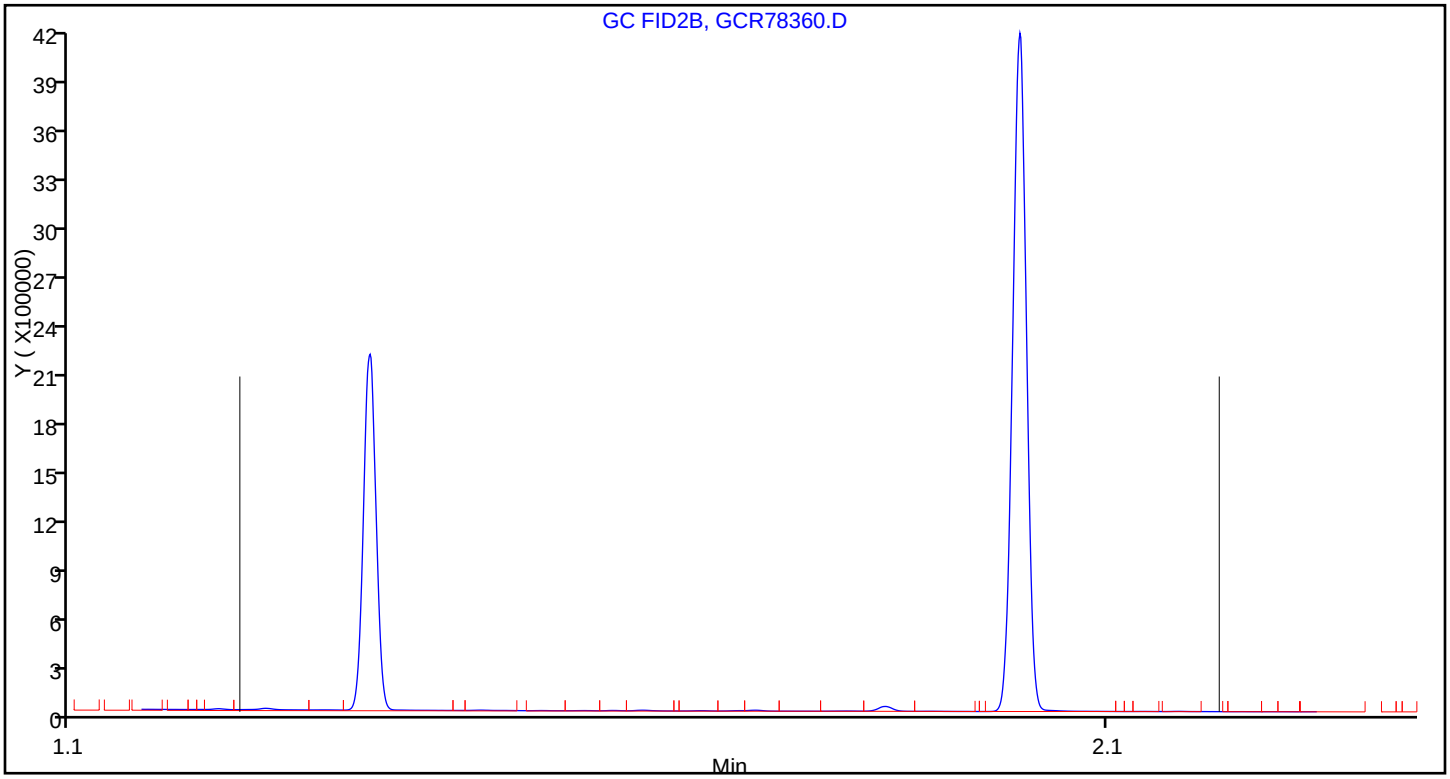


Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D		
Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b



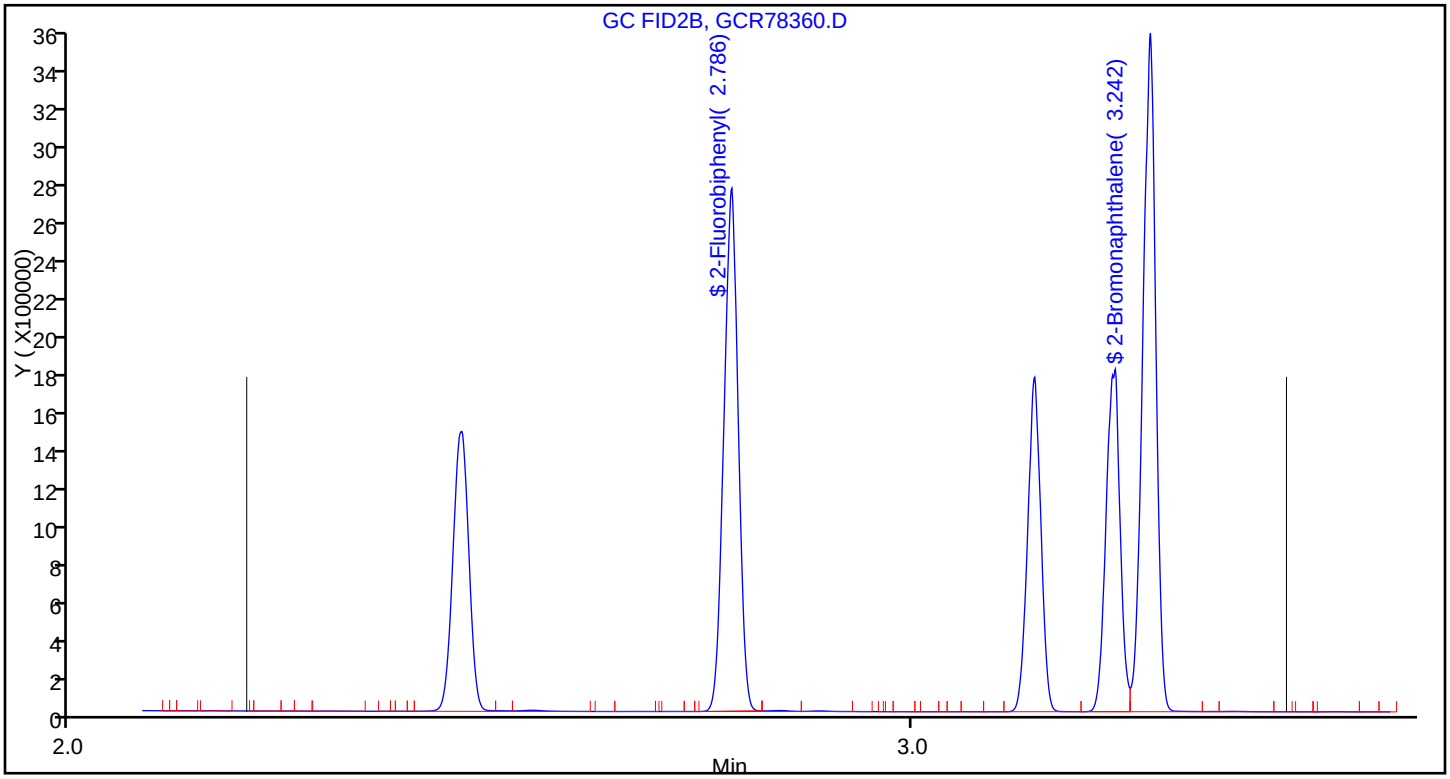
Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



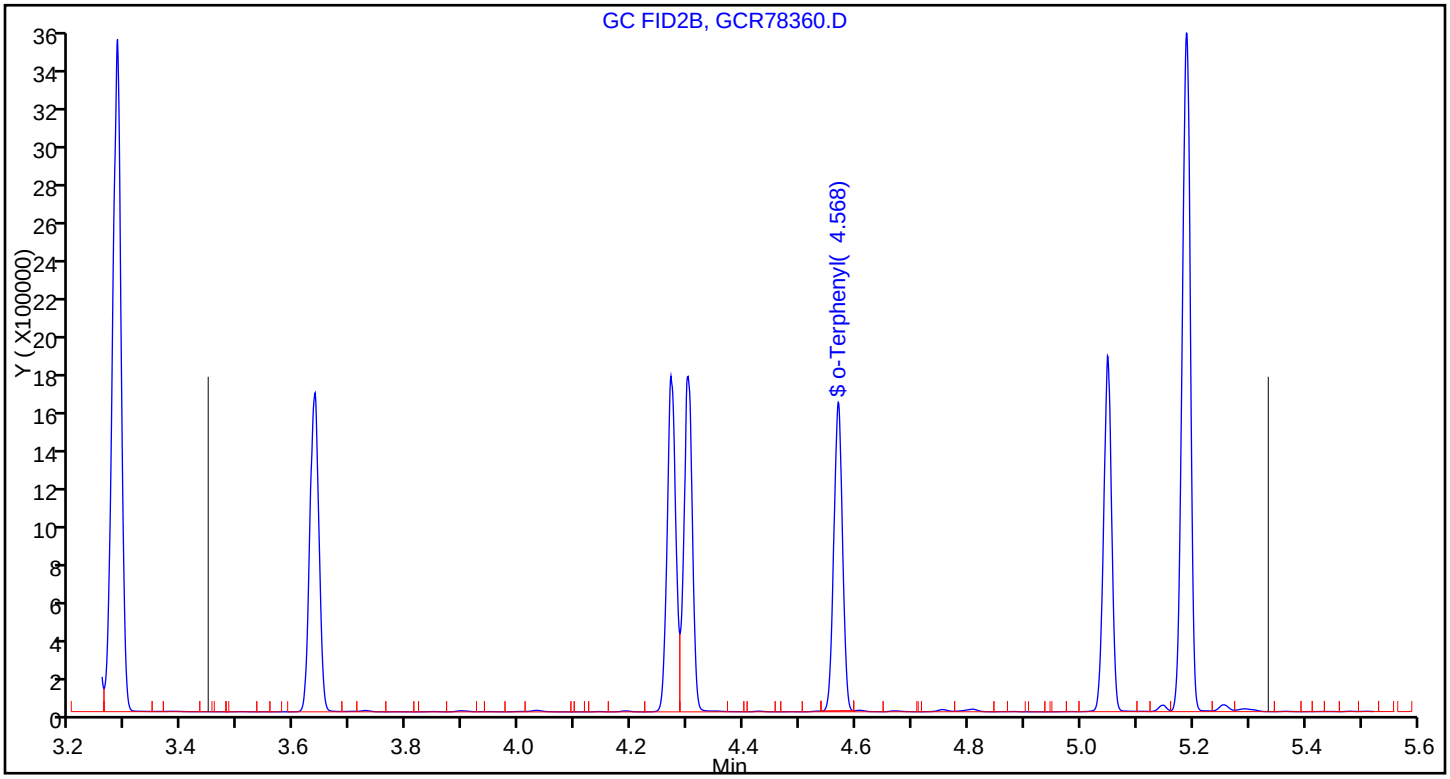
Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b



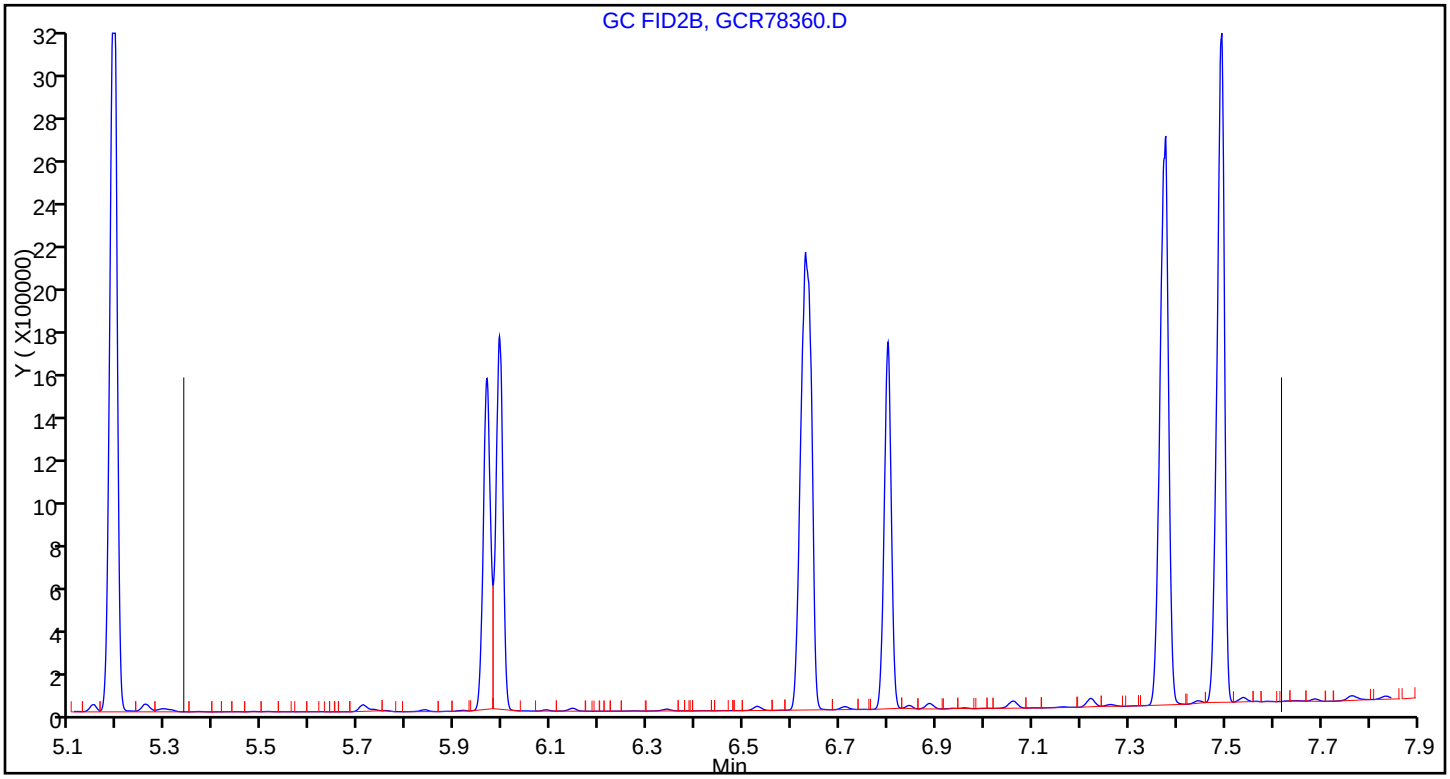
Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78360.D

Injection Date:	30-Jul-2013 20:23:56	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	30
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: MB 460-173297/1-A

Matrix: Solid | Lab File ID: GCF79173.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.03(g) | Date Analyzed: 07/30/2013 13:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	2.0	U	2.0	2.0
STL00191	C9-C12 Aliphatics	2.0	U	2.0	2.0
STL00950	C16-C21 Aliphatics	2.0	U	2.0	2.0
STL01059	C21-C40 Aliphatics	2.0	U	2.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	91		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79173.D		
Lims ID:	MB 460-173297/1-A	Client ID:	
Inject. Date:	30-Jul-2013 13:11:05	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	460-0002936-003		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	173419	Lims Sample ID:	3
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 15:31:49	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 15:31:49

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.019	1.008	0.011	2808	0	
A 1 C9-C12 Aliphatics		0.883	2.284			
9 Dodecane	2.115	2.117	-0.002	20284	0	
A 2 C12-C16 Aliphatics		2.284	3.895			
10 Hexadecane	3.749	3.749	0.0	38873	0	
A 3 C16-C21 Aliphatics		3.895	5.317			
$ 6 o-Terphenyl		4.703				
A 5 C9-C40		0.883	8.773			
$ 7 1-Chlorooctadecane	5.164	5.162	0.002	991069	45.5	
11 C21	5.210	5.176	0.034	420	0	
A 4 C21-C40 Aliphatics		5.317	8.773			
12 C40	8.630	8.620	0.010	12268	0	

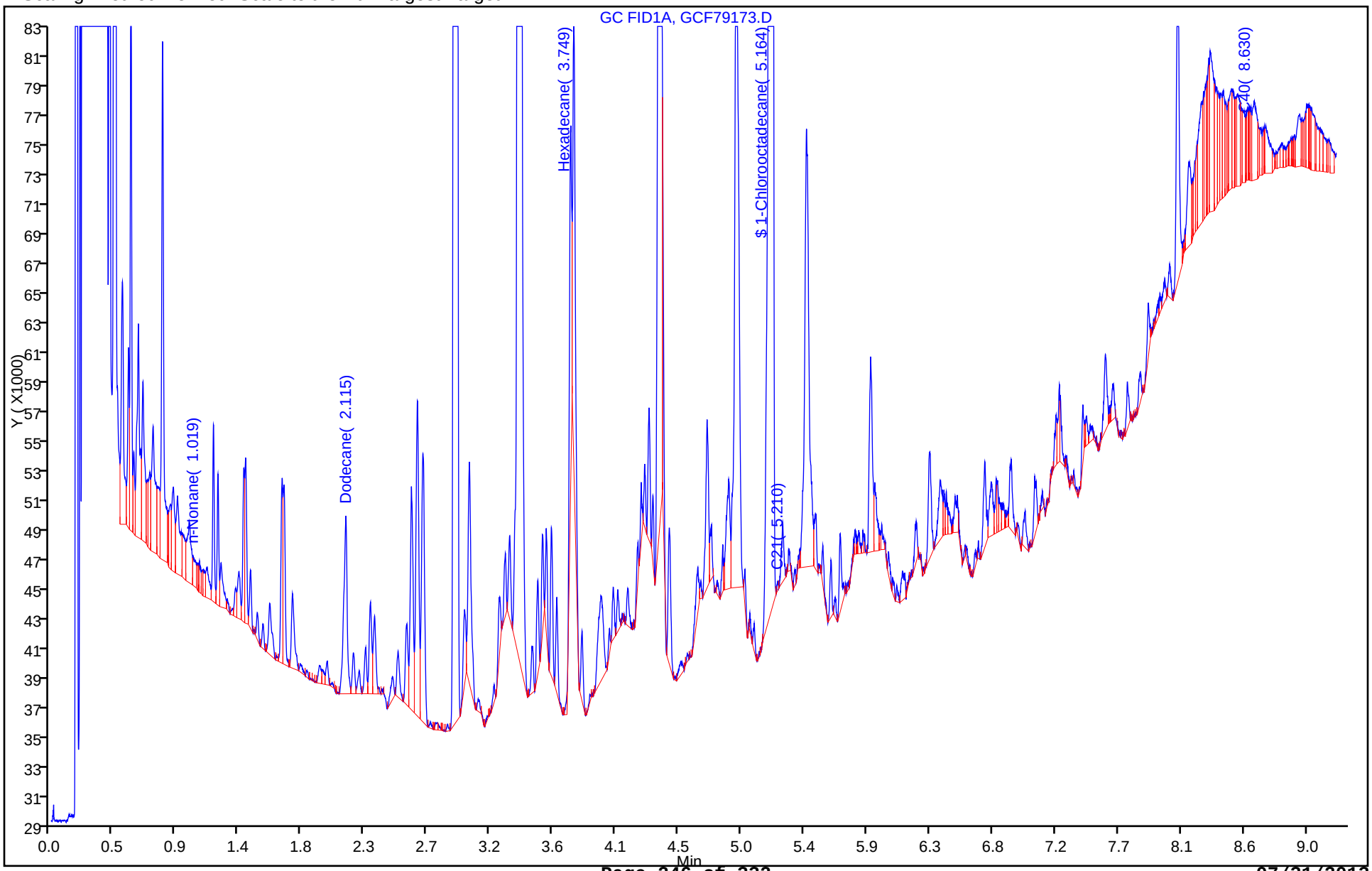
Report Date: 30-Jul-2013 15:33:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79173.D

Injection Date:	30-Jul-2013 13:11:05	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: MB 460-173297/1-A

Matrix: Solid | Lab File ID: GCR78333.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 15.03(g) | Date Analyzed: 07/30/2013 13:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	2.0	U	2.0	2.0
STL00011	C10-C12 Aromatics	2.0	U	2.0	2.0
STL00266	C12-C16 Aromatics	2.0	U	2.0	2.0
STL01060	C21-C36 Aromatic	2.0	U	2.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		40-140
321-60-8	2-Fluorobiphenyl	92		40-140
580-13-2	2-Bromonaphthalene	51		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78333.D		
Lims ID:	MB 460-173297/1-A	Client ID:	
Inject. Date:	30-Jul-2013 13:43:51	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	460-0002929-003		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	56
Lims Batch ID:	173375	Lims Sample ID:	3
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 15:24:00	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: kimh Date: 30-Jul-2013 14:26:09

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.396	1.389	0.007	148670	0	
	12 Naphthalene					
	2.017	2.012	0.005	8990	0	
$	3 2-Fluorobiphenyl					M
	2.787	2.778	0.009	2932098	46.0	M
$	5 2-Bromonaphthalene					
	3.241	3.233	0.008	1056674	25.6	
	6 Acenaphthene					
	3.347	3.278	0.069	27478	0	
$	8 o-Terphenyl					
	4.572	4.565	0.007	1782916	50.0	
	9 Pyrene					
	5.199	5.187	0.012	2207	0	
	11 Benzo[g,h,i]perylene					
	7.483	7.492	-0.009	301	0	

QC Flag Legend

Review Flags
M - Manually Integrated

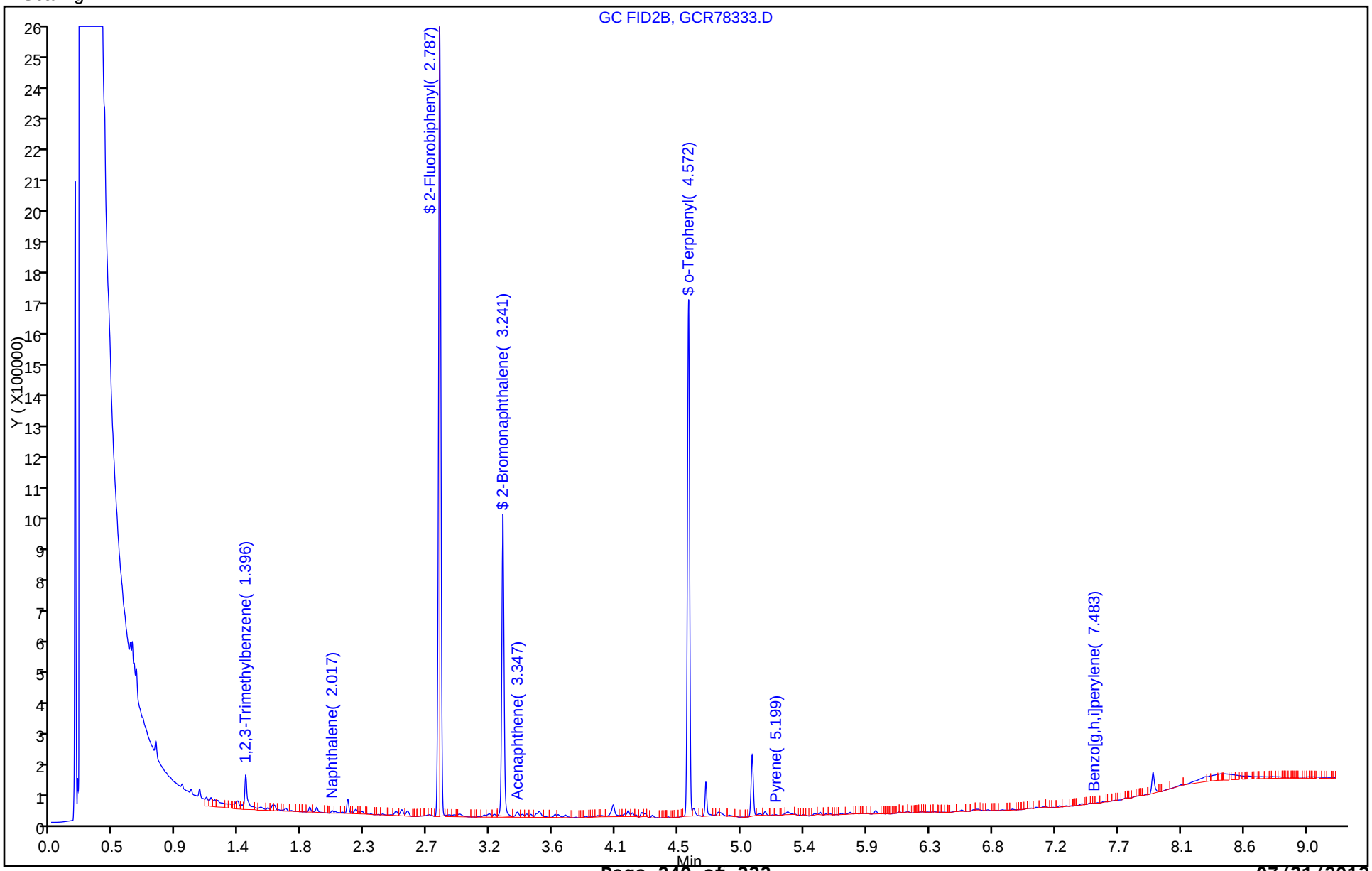
Report Date: 30-Jul-2013 15:24:09 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78333.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



Manual Integration/User Assign Peak Report

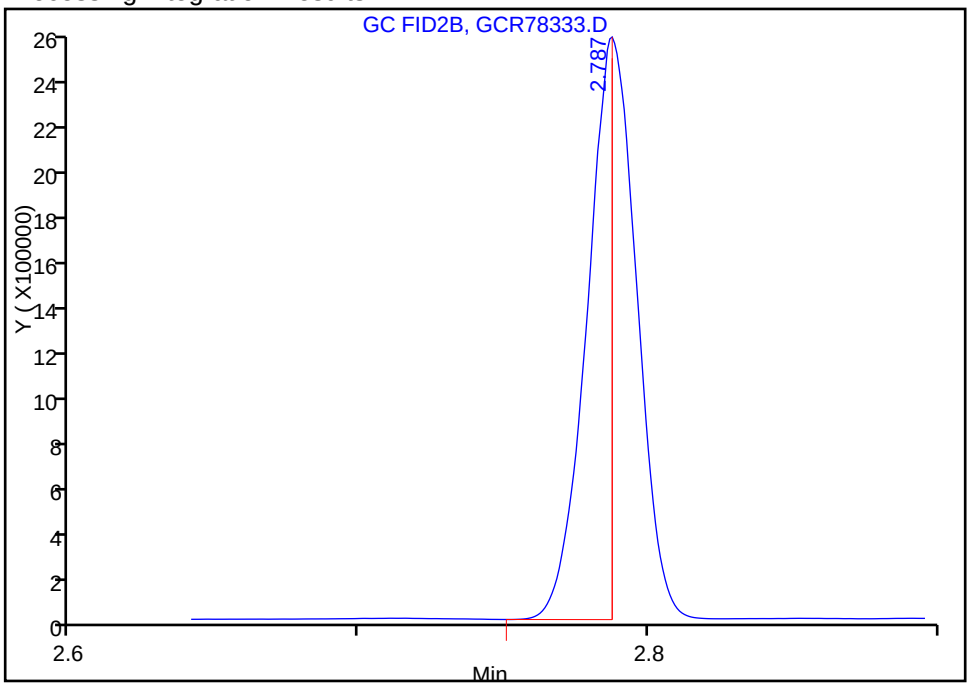
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78333.D		
Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	3
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

$ 3 2-Fluorobiphenyl, Signal: 1, Type: quant, RT: 2.78

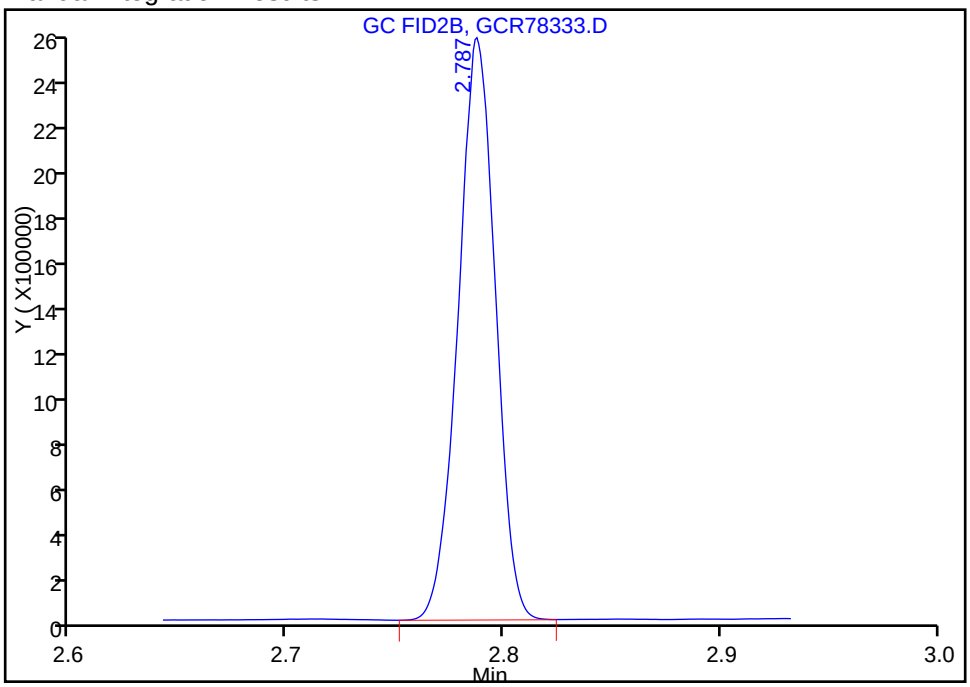
Processing Integration Results

RT: 2.79
Response: 1463571
Amount: 22.982009



Manual Integration Results

RT: 2.79
Response: 2932098
Amount: 46.041841



Reviewer: kimh, 30-Jul-2013 14:26:09
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: PIBLK 460-173375/1

Matrix: Solid | Lab File ID: GCR78331.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 2(mL) | Date Analyzed: 07/30/2013 12:01

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	1.62		0.10	0.10
STL00011	C10-C12 Aromatics	1.99		0.10	0.10
STL00266	C12-C16 Aromatics	1.02		0.10	0.10
STL01060	C21-C36 Aromatic	3.81		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	98		40-140
321-60-8	2-Fluorobiphenyl	88		40-140
580-13-2	2-Bromonaphthalene	86		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 12:01:38	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	173375	Lims Sample ID:	1
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 15:23:48	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.396	1.389	0.007	3461	0	
A	2 C10-C12 Aromatics					
	1.721	1.262 -	2.184	75448	1.99	
	12 Naphthalene					
	2.014	2.012	0.002	8343	0	
$	3 2-Fluorobiphenyl					
	2.778	2.778	0.0	2790257	43.8	
A	4 C12-C16 Aromatics					
	2.811	2.184 -	3.452	39466	1.02	
$	5 2-Bromonaphthalene					
	3.233	3.233	0.0	1779296	43.2	
	6 Acenaphthene					
	3.341	3.278	0.063	1597	0	
A	7 C16-C21 Aromatics					
	4.389	3.452 -	5.332	63194	1.62	
$	8 o-Terphenyl					
	4.565	4.565	0.0	1749365	49.1	
	9 Pyrene					
	5.187	5.187	0.0	109	0	
A	10 C21-C36 Aromatic					
	6.475	5.332 -	7.617	136458	3.81	
	11 Benzo[g,h,i]perylene					
	7.501	7.492	0.009	759	0	

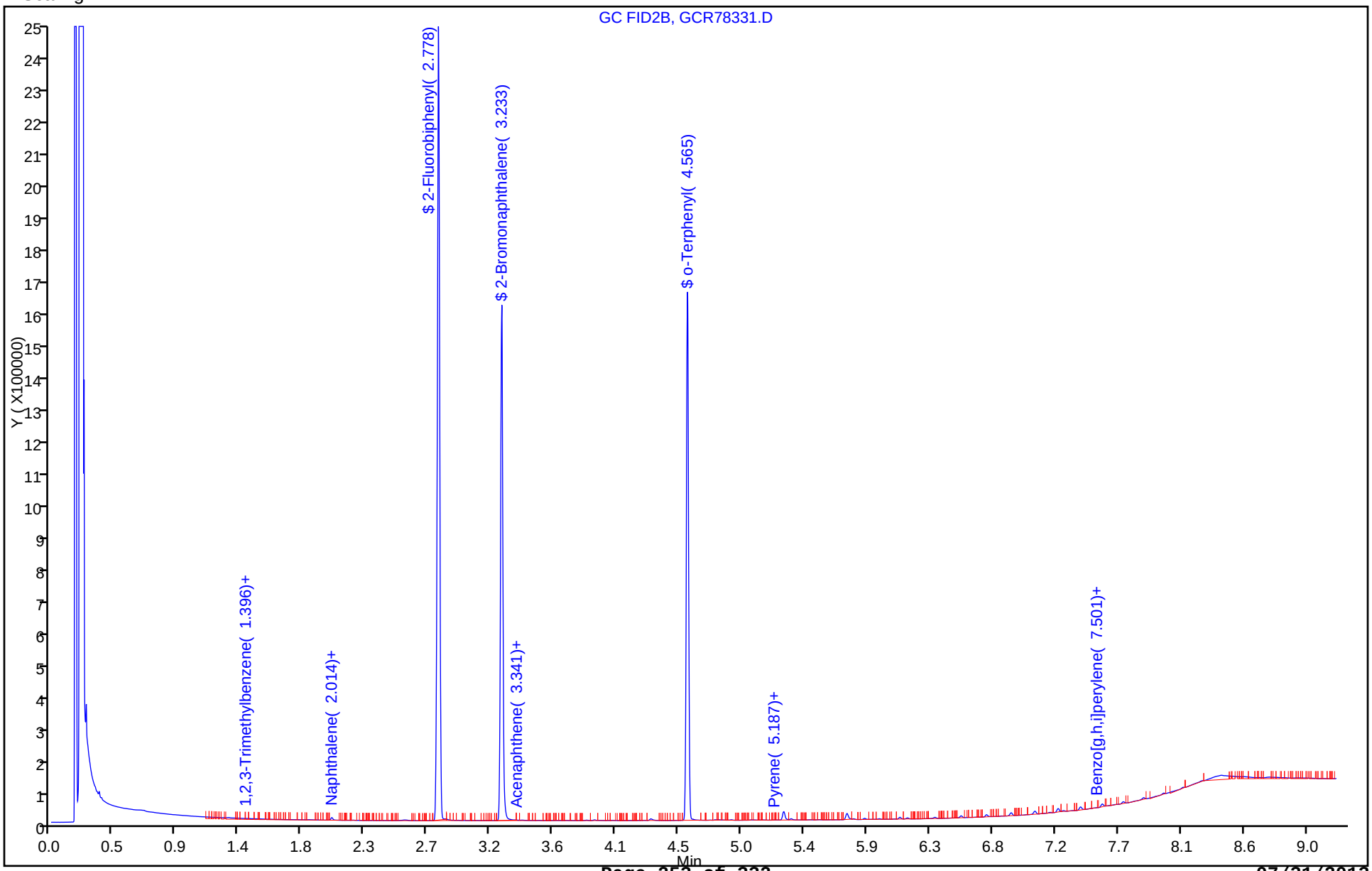
Report Date: 30-Jul-2013 15:23:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



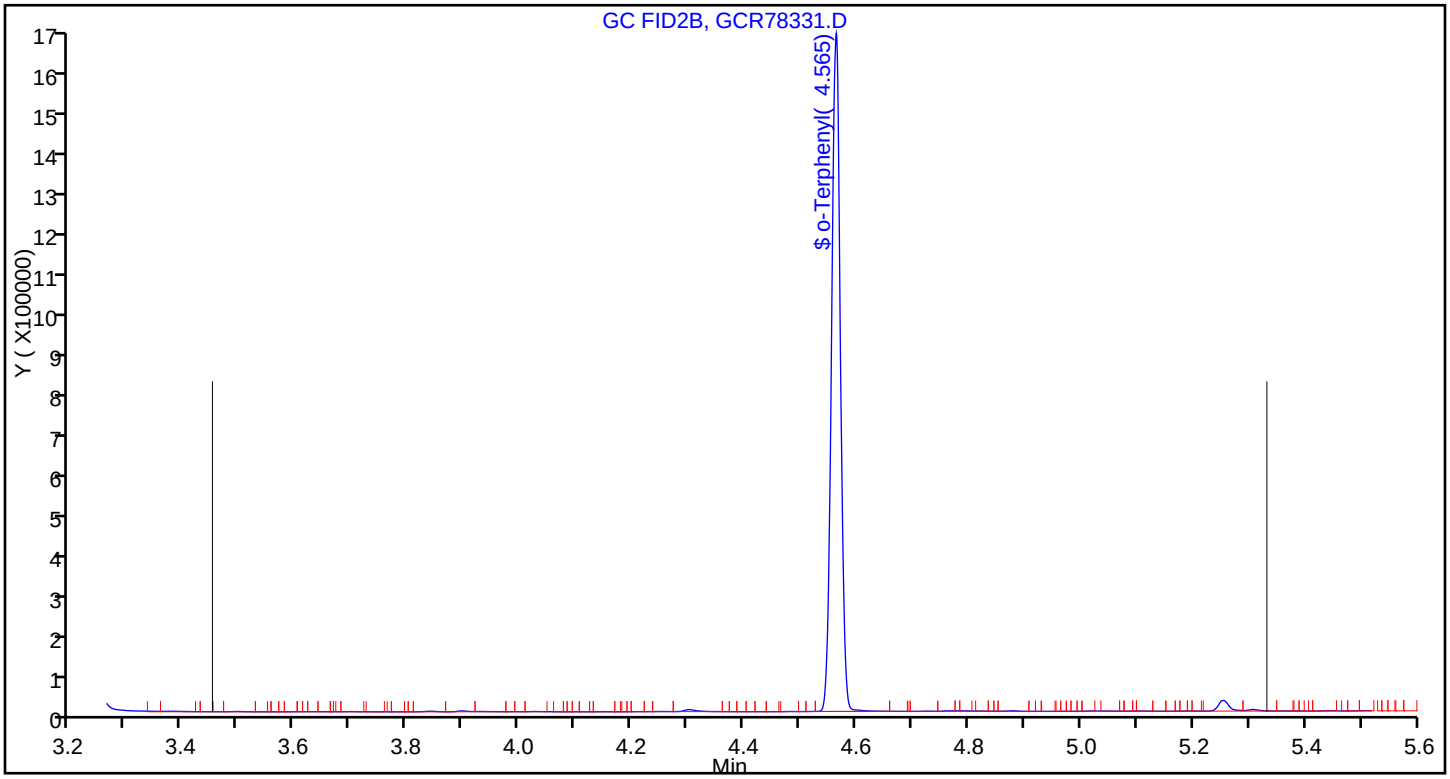
Report Date: 30-Jul-2013 15:24:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b



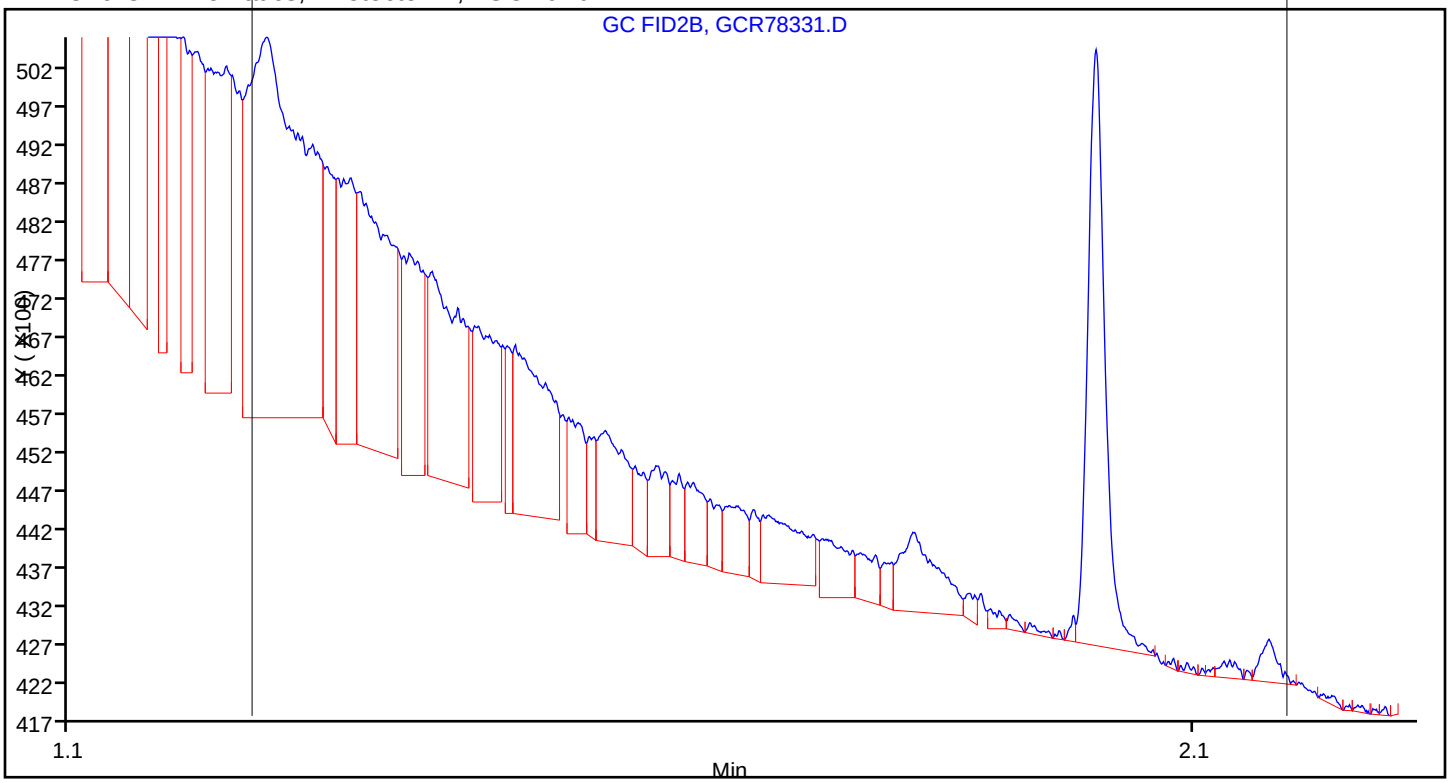
Report Date: 30-Jul-2013 15:23:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

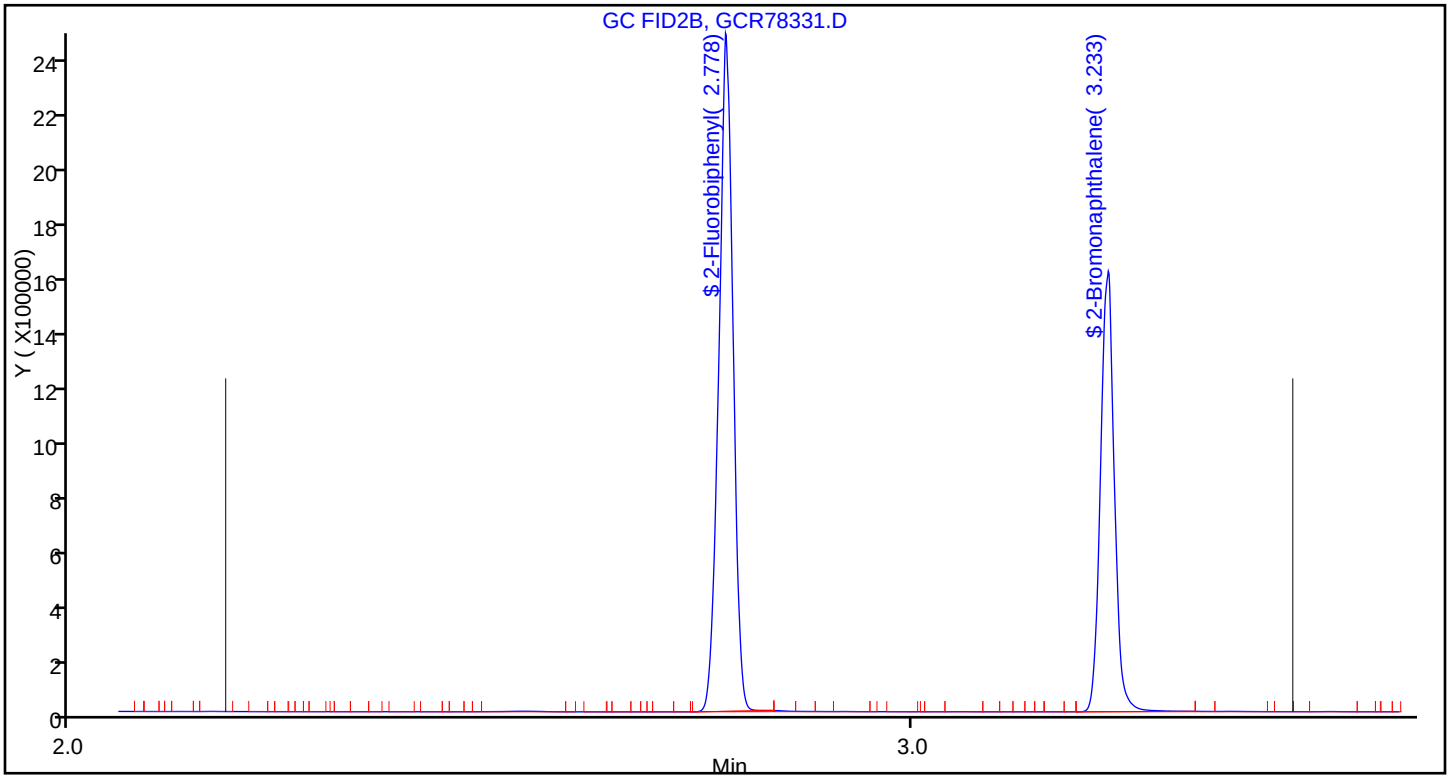


Report Date: 30-Jul-2013 15:24:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D		
Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



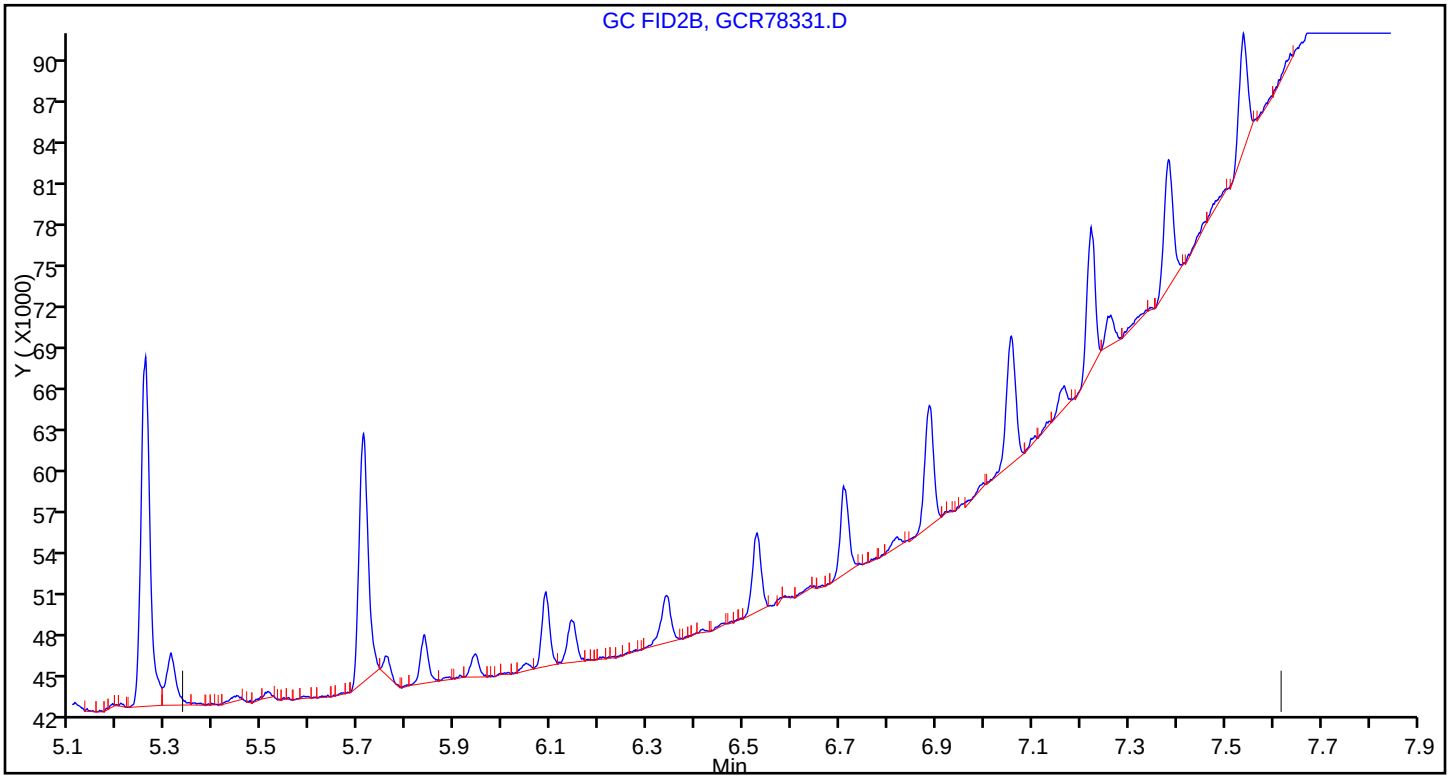
Report Date: 30-Jul-2013 15:24:00 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78331.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: Lab Sample ID: PIBLK 460-173375/27

Matrix: Solid Lab File ID: GCR78342.D

Analysis Method: NJDEP EPH Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 2(mL) Date Analyzed: 07/30/2013 16:03

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	3.96		0.10	0.10
STL00011	C10-C12 Aromatics	3.25		0.10	0.10
STL00266	C12-C16 Aromatics	1.02		0.10	0.10
STL01060	C21-C36 Aromatic	4.29		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	105		40-140
321-60-8	2-Fluorobiphenyl	90		40-140
580-13-2	2-Bromonaphthalene	90		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 16:03:01	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	173375	Lims Sample ID:	27
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 16:28:45	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.398	1.388	0.010	5244	0	
A	2 C10-C12 Aromatics					
	1.723	1.264 -	2.223	123212	3.25	
	12 Naphthalene					
	2.019	2.017	0.002	9877	0	
$	3 2-Fluorobiphenyl					
	2.787	2.785	0.002	2868923	45.0	
A	4 C12-C16 Aromatics					
	2.818	2.223 -	3.442	39648	1.02	
$	5 2-Bromonaphthalene					
	3.240	3.241	-0.001	1859054	45.1	
	6 Acenaphthene					
	3.352	3.283	0.069	1077	0	
A	7 C16-C21 Aromatics					
	4.392	3.442 -	5.335	154060	3.96	
$	8 o-Terphenyl					
	4.570	4.568	0.002	1863760	52.3	
	9 Pyrene					
	5.184	5.190	-0.006	28	0	
A	10 C21-C36 Aromatic					
	6.475	5.335 -	7.620	153518	4.29	
	11 Benzo[g,h,i]perylene					
	7.509	7.495	0.014	2397	0	

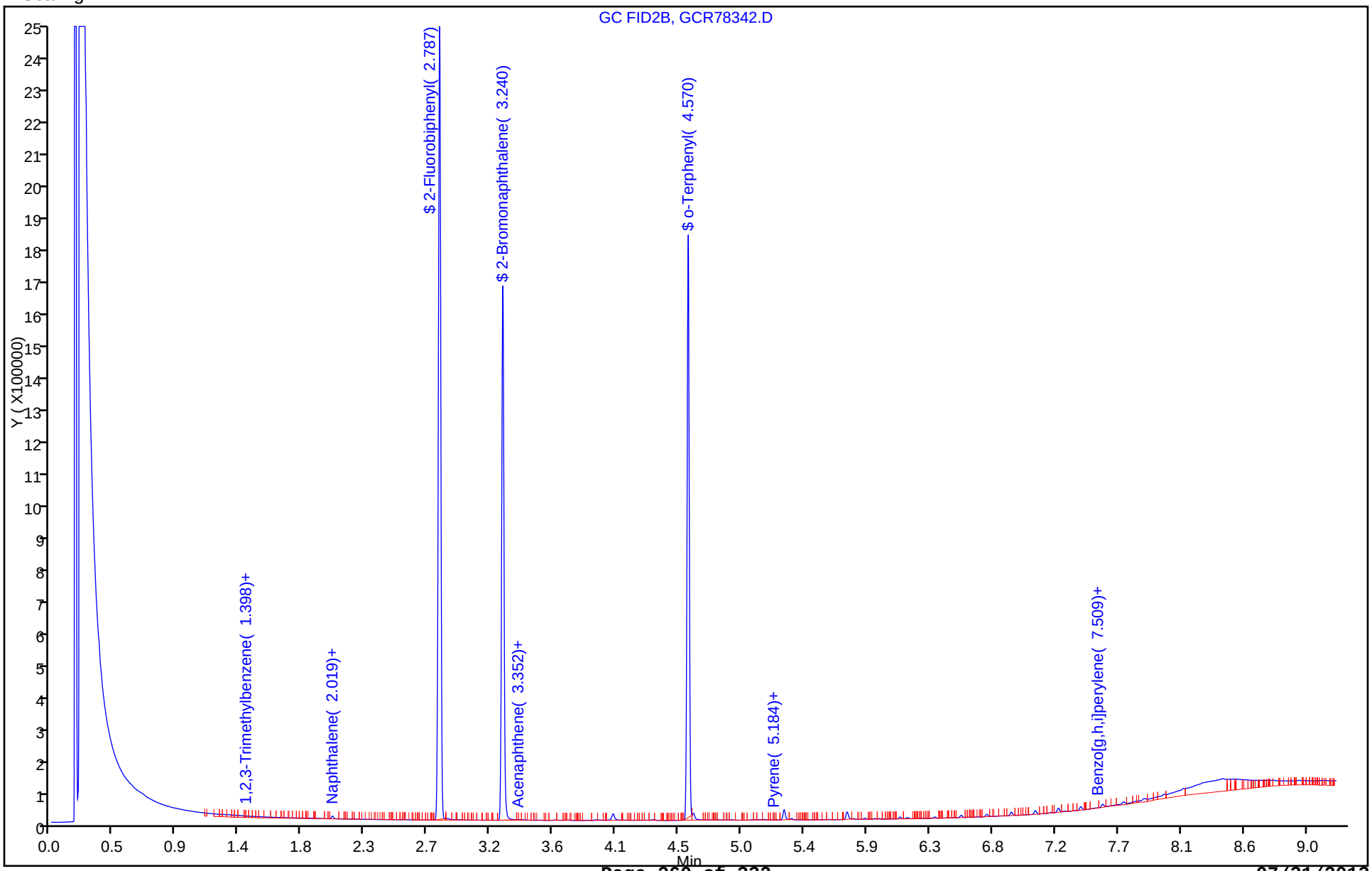
Report Date: 30-Jul-2013 16:30:08 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



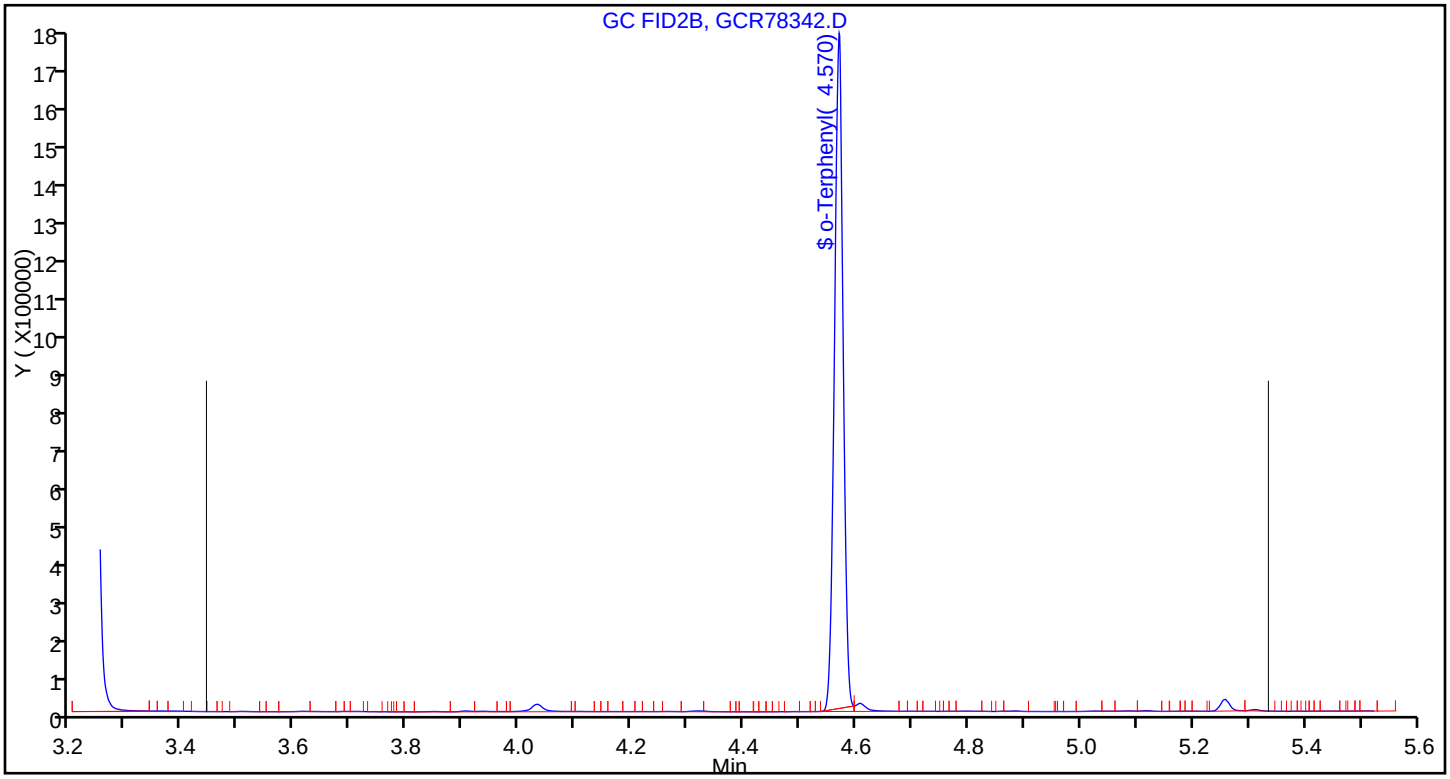
Report Date: 30-Jul-2013 16:30:08 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b



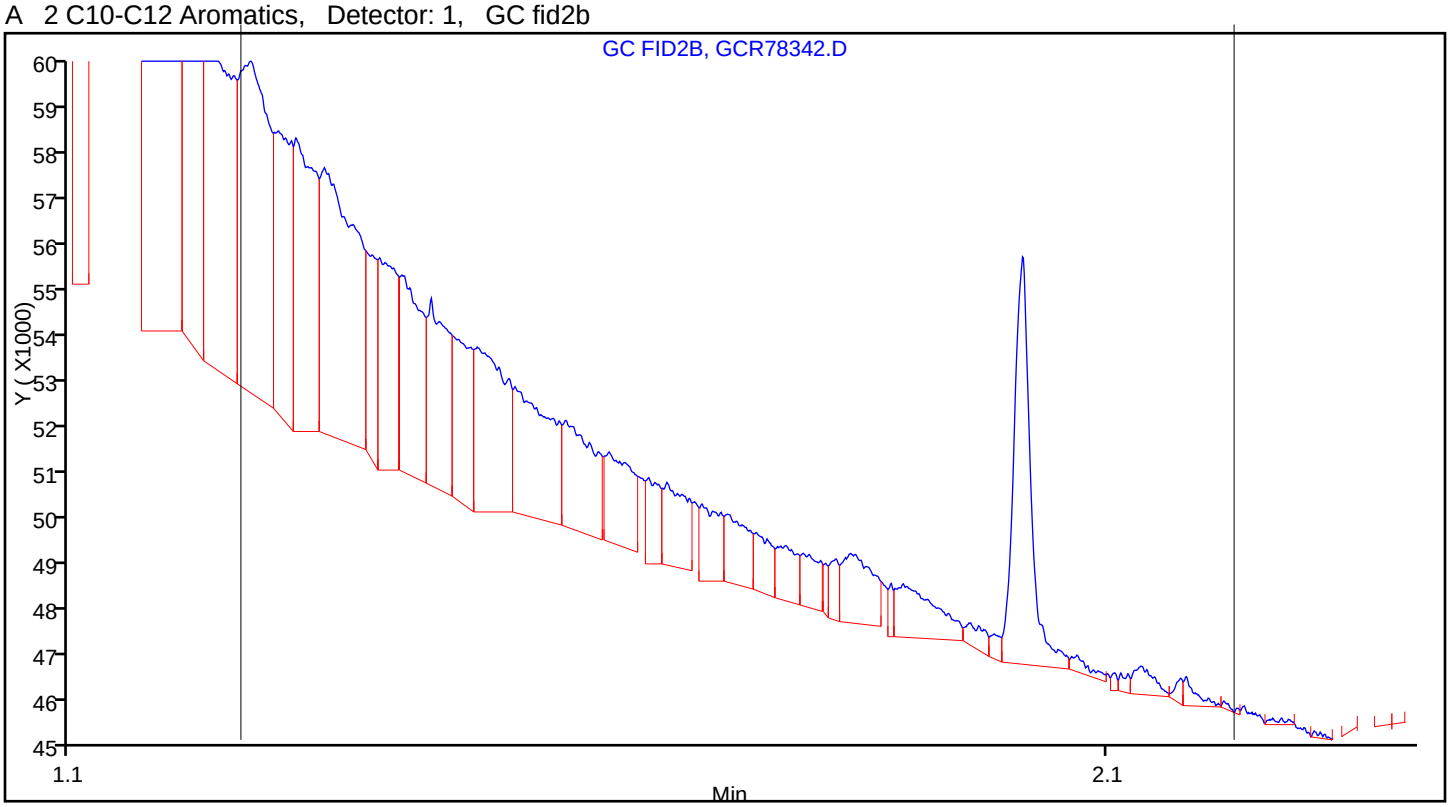
Report Date: 30-Jul-2013 16:30:08 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

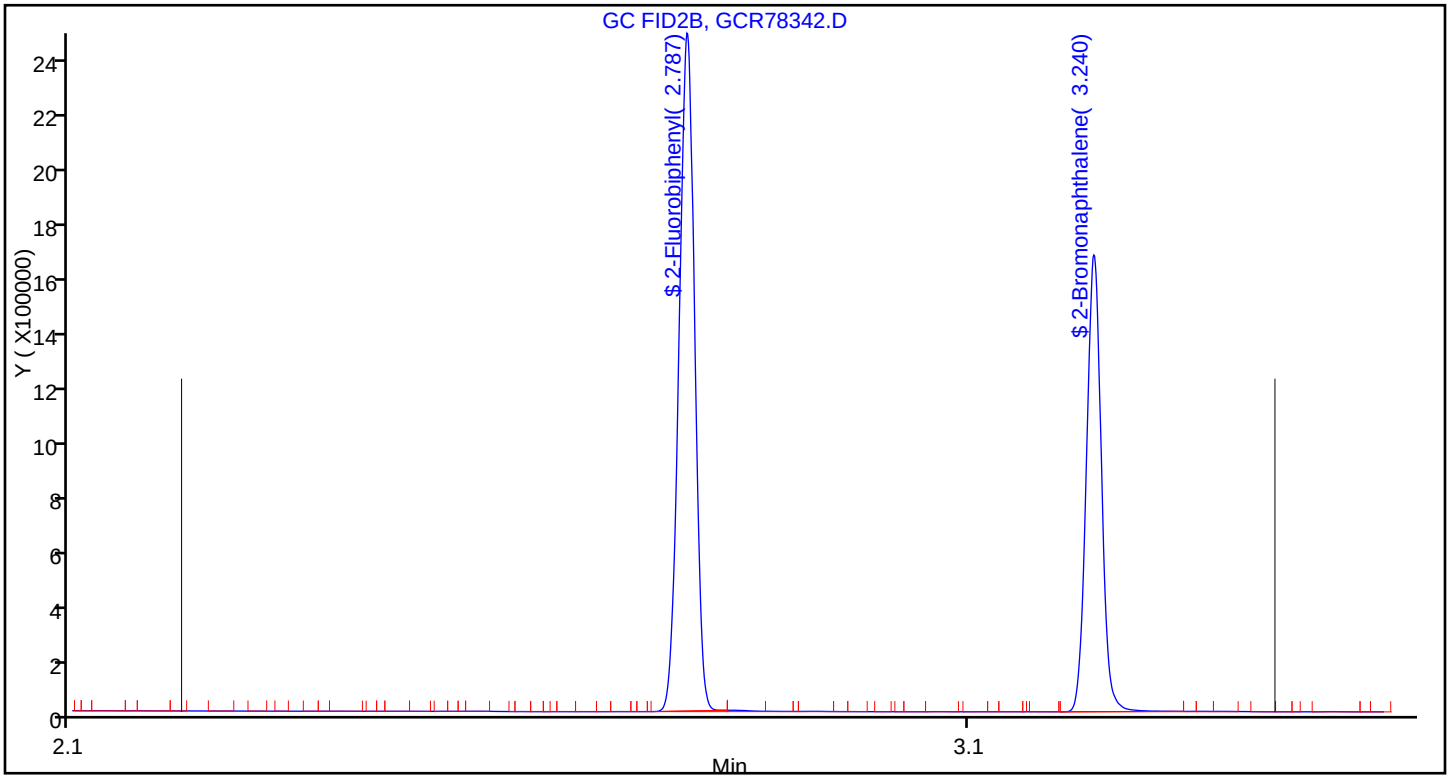


Report Date: 30-Jul-2013 16:30:08 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D		
Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b



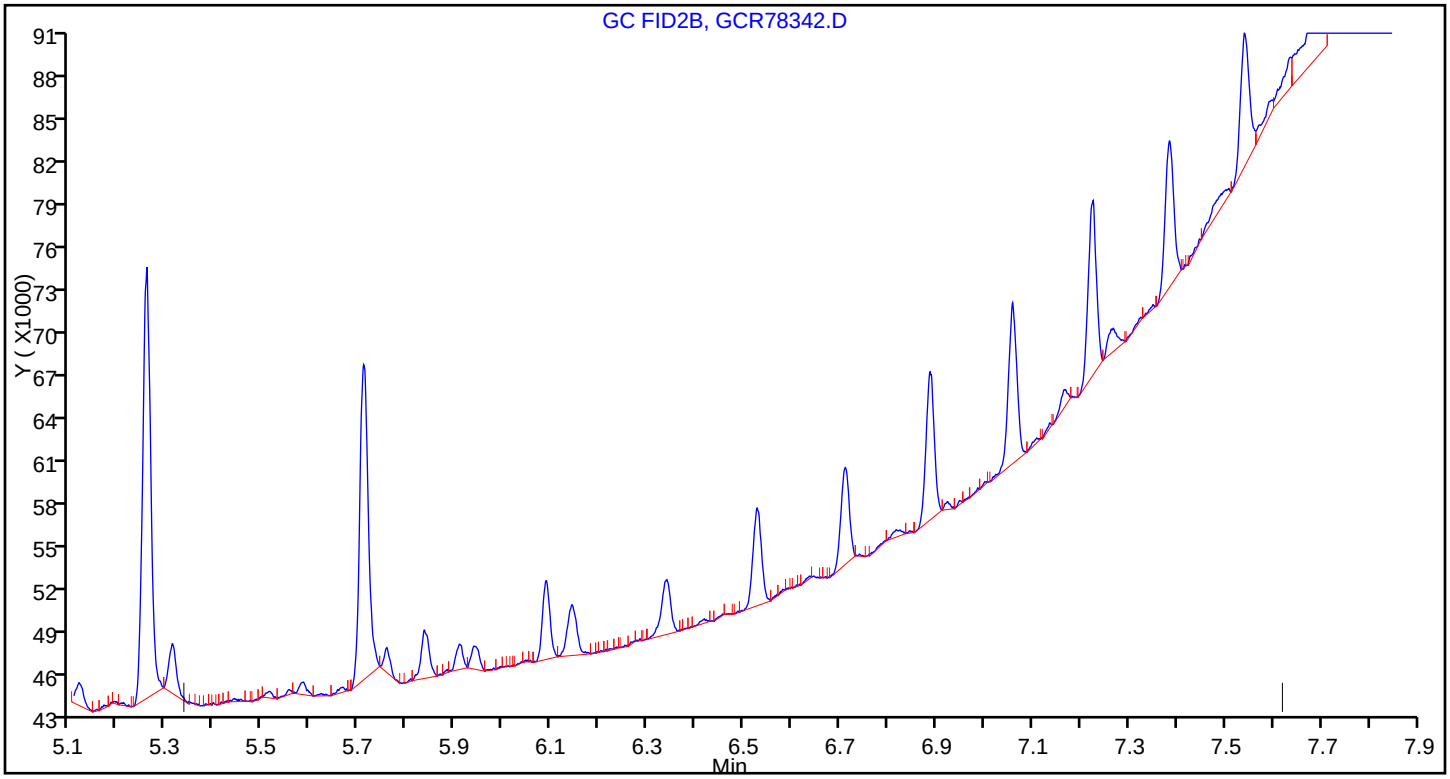
Report Date: 30-Jul-2013 16:30:08 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78342.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: PIBLK 460-173375/29

Matrix: Solid | Lab File ID: GCR78359.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 2(mL) | Date Analyzed: 07/30/2013 20:09

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	3.11		0.10	0.10
STL00011	C10-C12 Aromatics	3.69		0.10	0.10
STL00266	C12-C16 Aromatics	0.921		0.10	0.10
STL01060	C21-C36 Aromatic	5.06		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	102		40-140
321-60-8	2-Fluorobiphenyl	89		40-140
580-13-2	2-Bromonaphthalene	89		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 20:09:35	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	54
Lims Batch ID:	173375	Lims Sample ID:	29
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	31-Jul-2013 08:03:34	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK023		

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	1 1,2,3-Trimethylbenzene					
	1.408	1.389	0.019	8440	0	
A	2 C10-C12 Aromatics					
	1.744	1.263 -	2.209	139812	3.69	
	12 Naphthalene					
	2.018	2.017	0.001	9376	0	
$	3 2-Fluorobiphenyl					
	2.786	2.786	0.0	2820562	44.3	
A	4 C12-C16 Aromatics					
	2.833	2.209 -	3.445	35732	0.9209	
$	5 2-Bromonaphthalene					
	3.240	3.242	-0.002	1827346	44.3	
	6 Acenaphthene					
	3.346	3.283	0.063	1885	0	
A	7 C16-C21 Aromatics					
	4.388	3.445 -	5.335	120934	3.11	
$	8 o-Terphenyl					
	4.566	4.568	-0.002	1824004	51.2	
	9 Pyrene					
	5.191	5.189	0.002	94	0	
A	10 C21-C36 Aromatic					
	6.478	5.335 -	7.618	181197	5.06	
	11 Benzo[g,h,i]perylene					
	7.504	7.494	0.010	324	0	

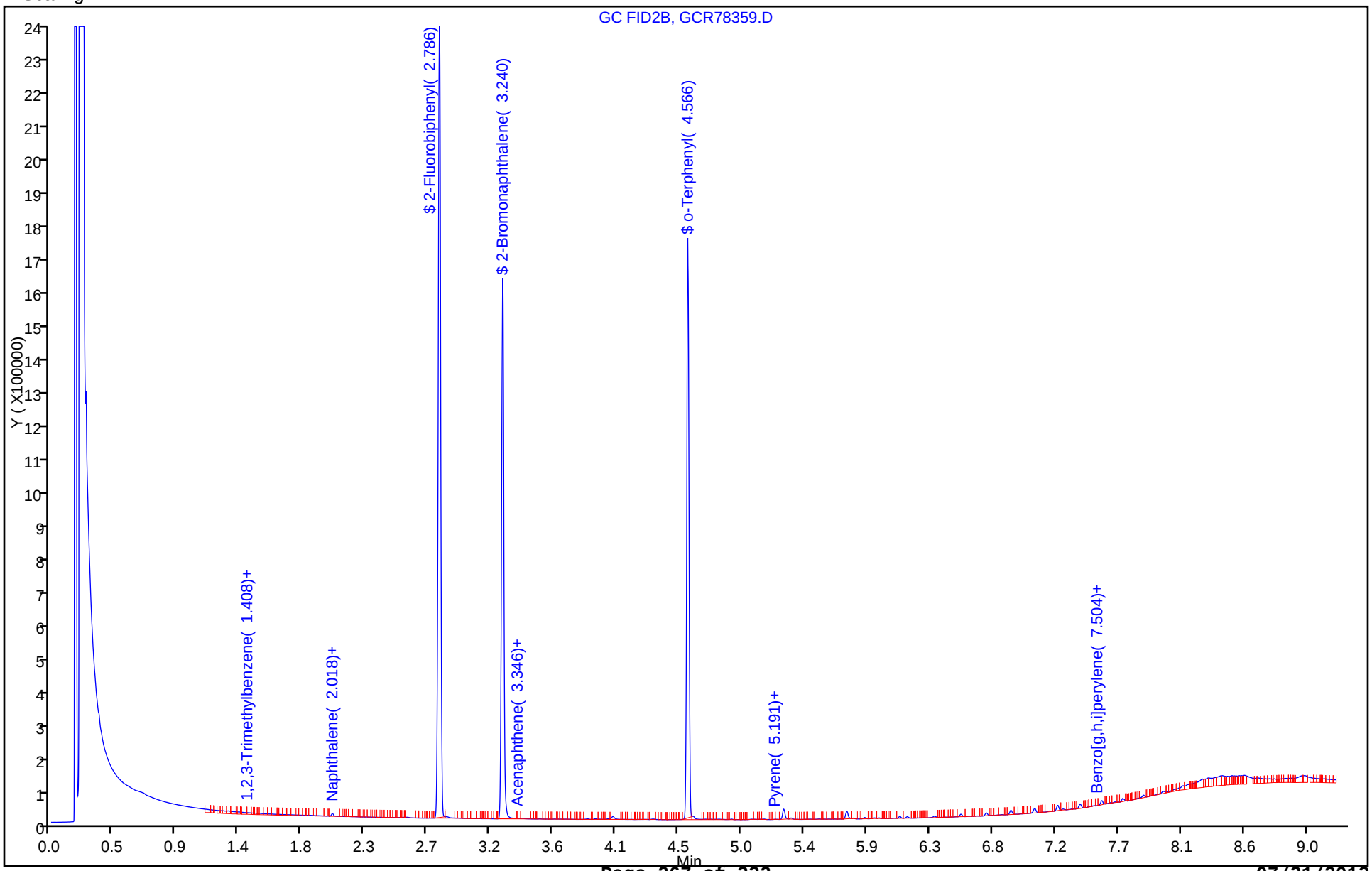
Report Date: 31-Jul-2013 08:04:16 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D

Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:

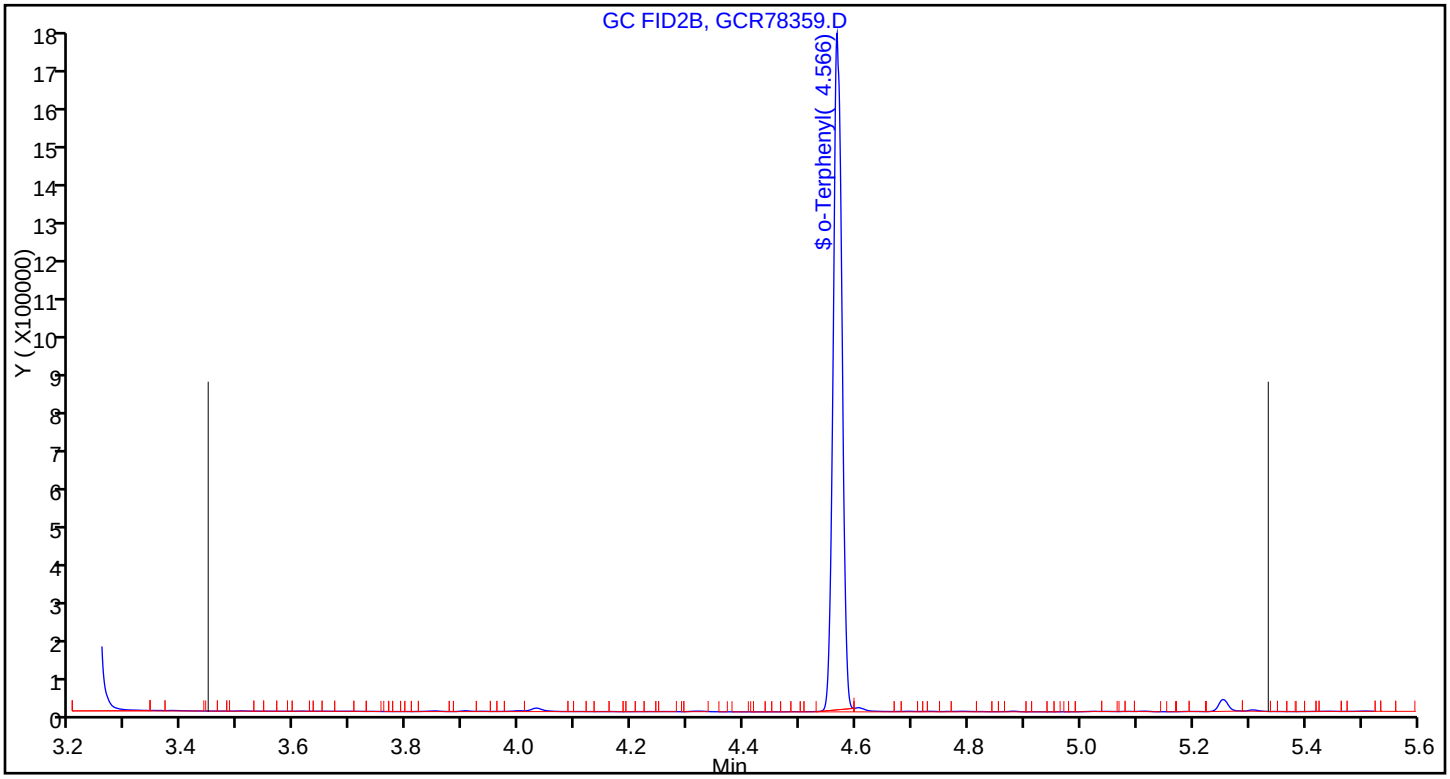


Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D		
Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

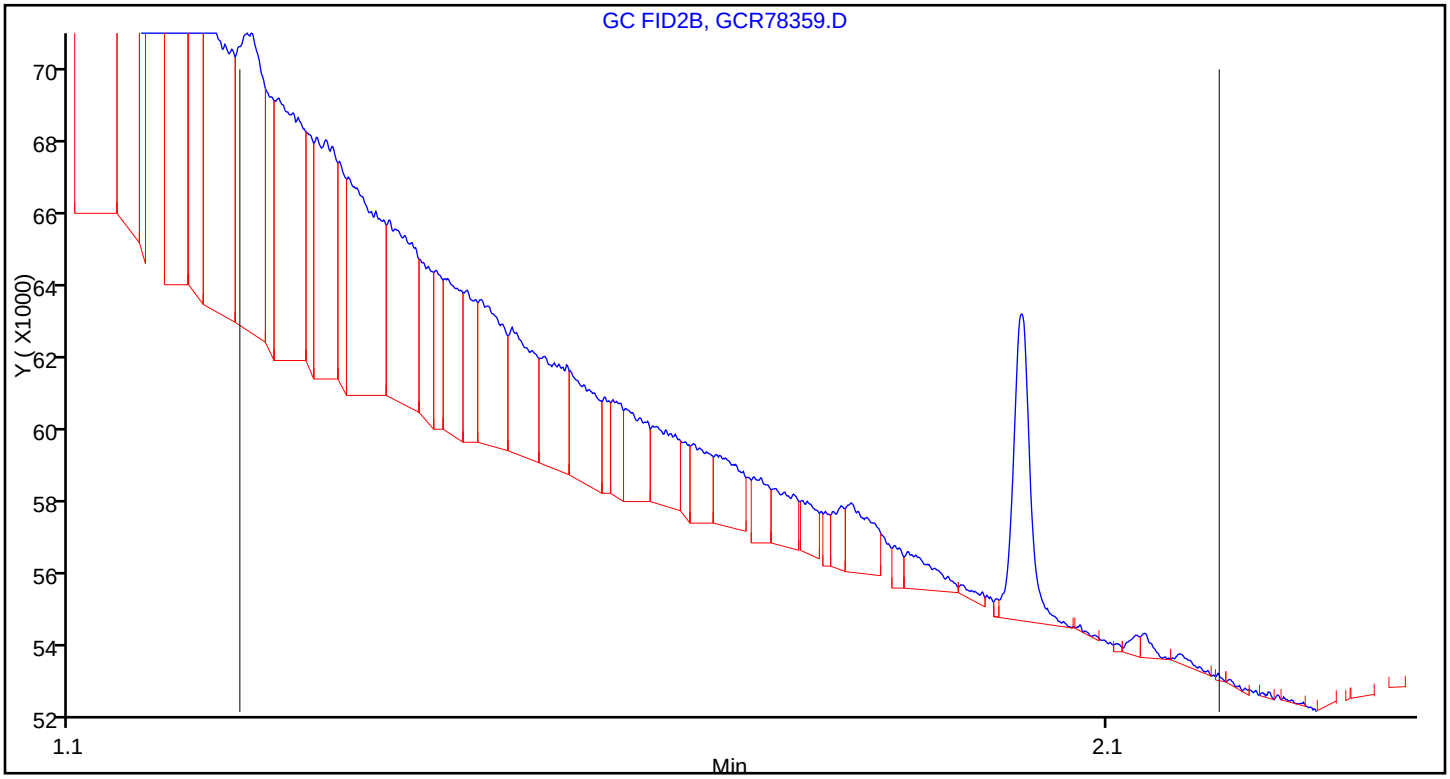


Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D		
Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

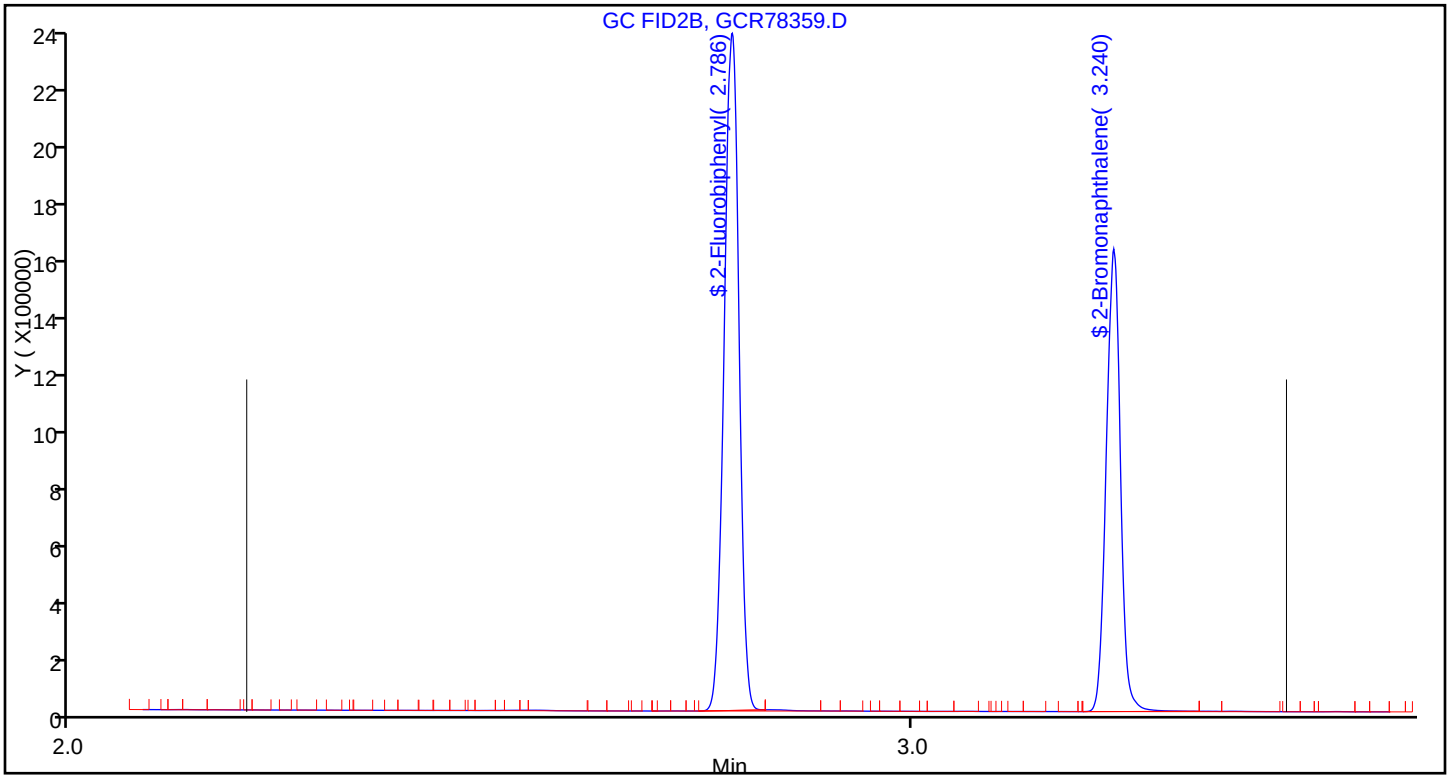


Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D		
Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

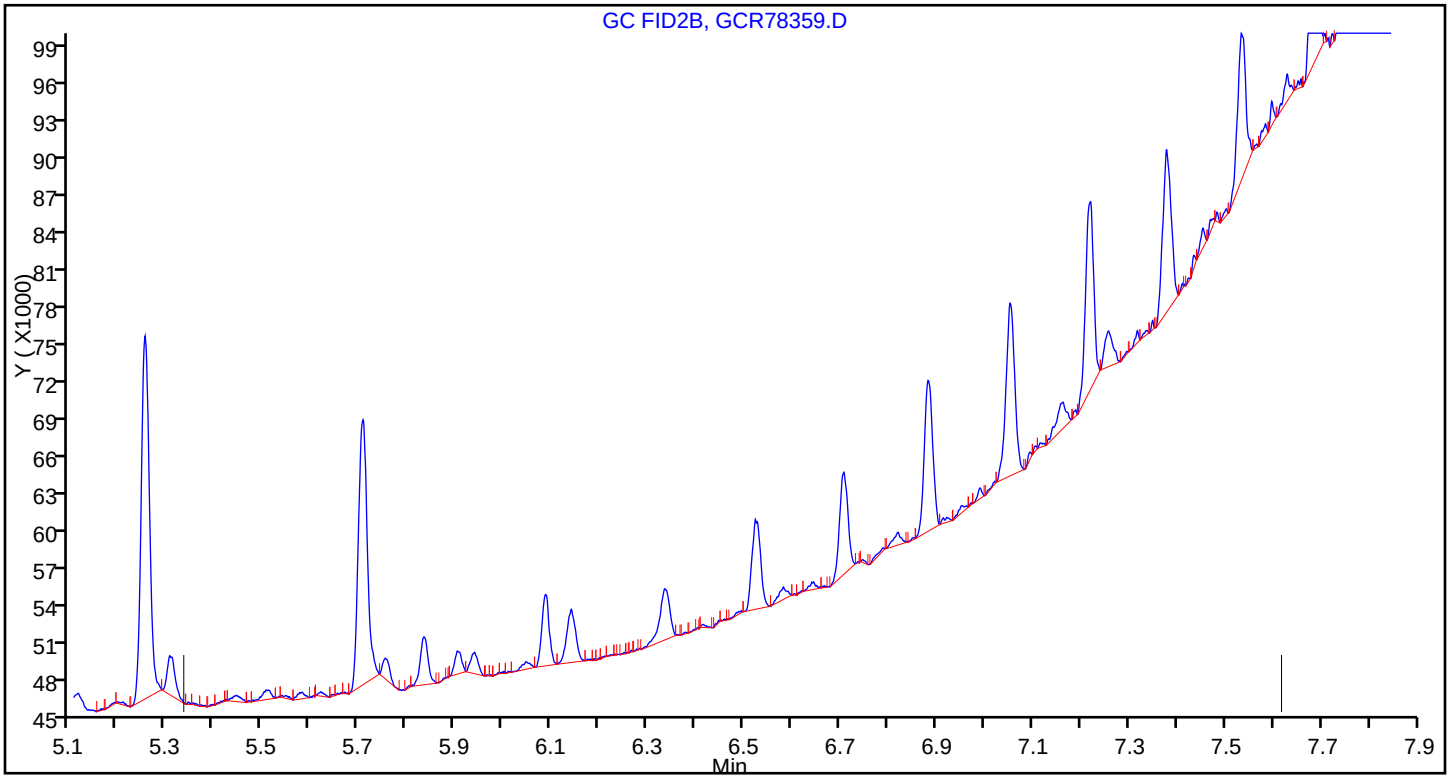


Report Date: 31-Jul-2013 08:04:17 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78359.D		
Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: Lab Sample ID: PIBLK 460-173419/1

Matrix: Solid Lab File ID: GCF79171.D

Analysis Method: NJDEP EPH Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 2(mL) Date Analyzed: 07/30/2013 12:01

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	0.765		0.10	0.10
STL00191	C9-C12 Aliphatics	1.83		0.10	0.10
STL00950	C16-C21 Aliphatics	0.709		0.10	0.10
STL01059	C21-C40 Aliphatics	9.71		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	117		40-140
3386-33-2	1-Chlorooctadecane	115		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 12:01:38	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	173419	Lims Sample ID:	1
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 15:10:59	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.025	1.008	0.017	1080	0	
A 1 C9-C12 Aliphatics	1.582	0.883 -	2.284	43207	1.83	
9 Dodecane	2.122	2.117	0.005	137	0	
A 2 C12-C16 Aliphatics	3.088	2.284 -	3.895	19554	0.7648	
10 Hexadecane	3.757	3.749	0.008	77	0	
A 3 C16-C21 Aliphatics	4.605	3.895 -	5.317	20520	0.7087	
$ 6 o-Terphenyl	4.706	4.703	0.003	1543578	58.4	
A 5 C9-C40	4.827	0.883 -	8.773	315742	12.2	
$ 7 1-Chlorooctadecane	5.160	5.162	-0.002	1252199	57.4	
11 C21	5.223	5.176	0.047	308	0	
A 4 C21-C40 Aliphatics	7.042	5.317 -	8.773	232640	9.71	
12 C40	8.621	8.620	0.001	12459	0	

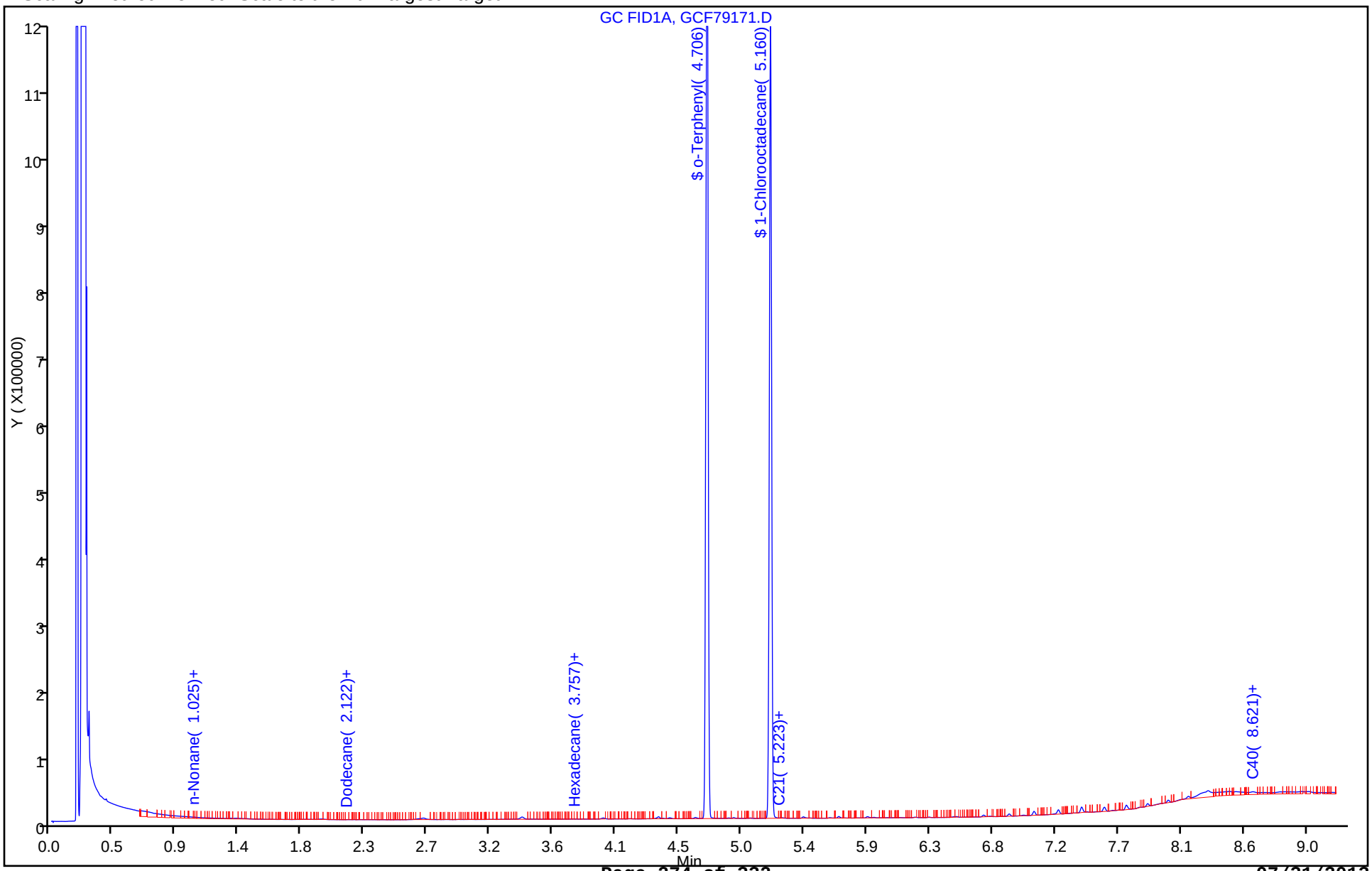
Report Date: 30-Jul-2013 15:23:21 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

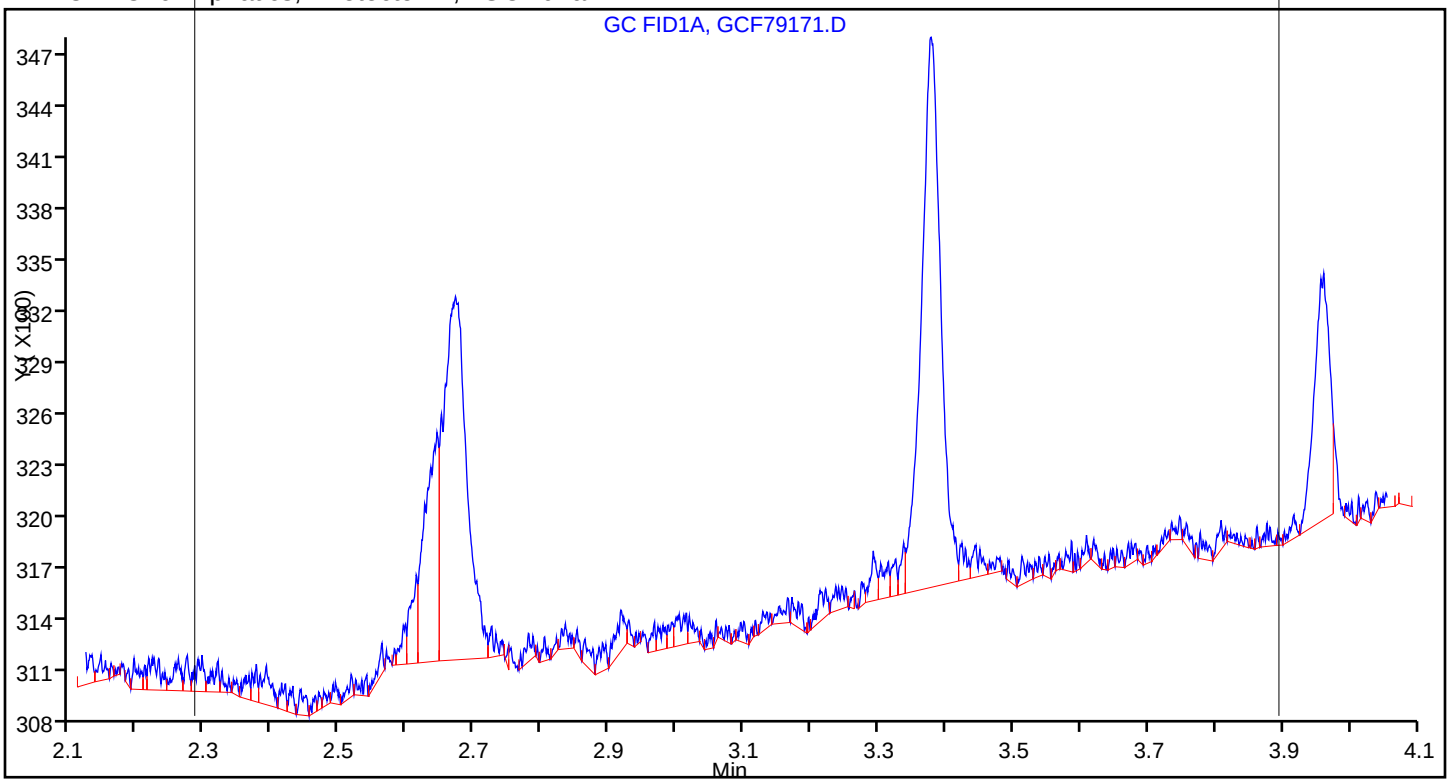


Report Date: 30-Jul-2013 15:23:21 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D		
Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

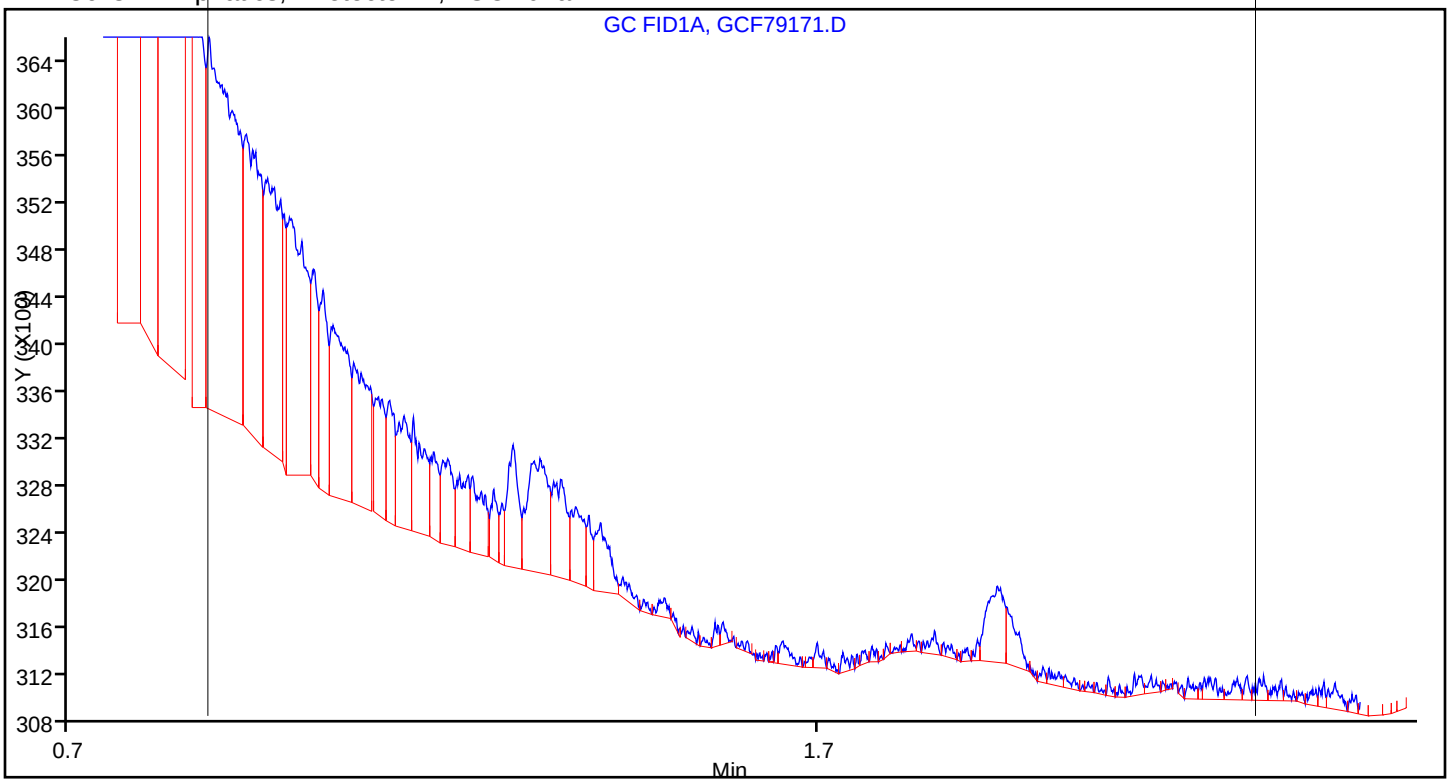


Report Date: 30-Jul-2013 15:23:21 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D		
Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



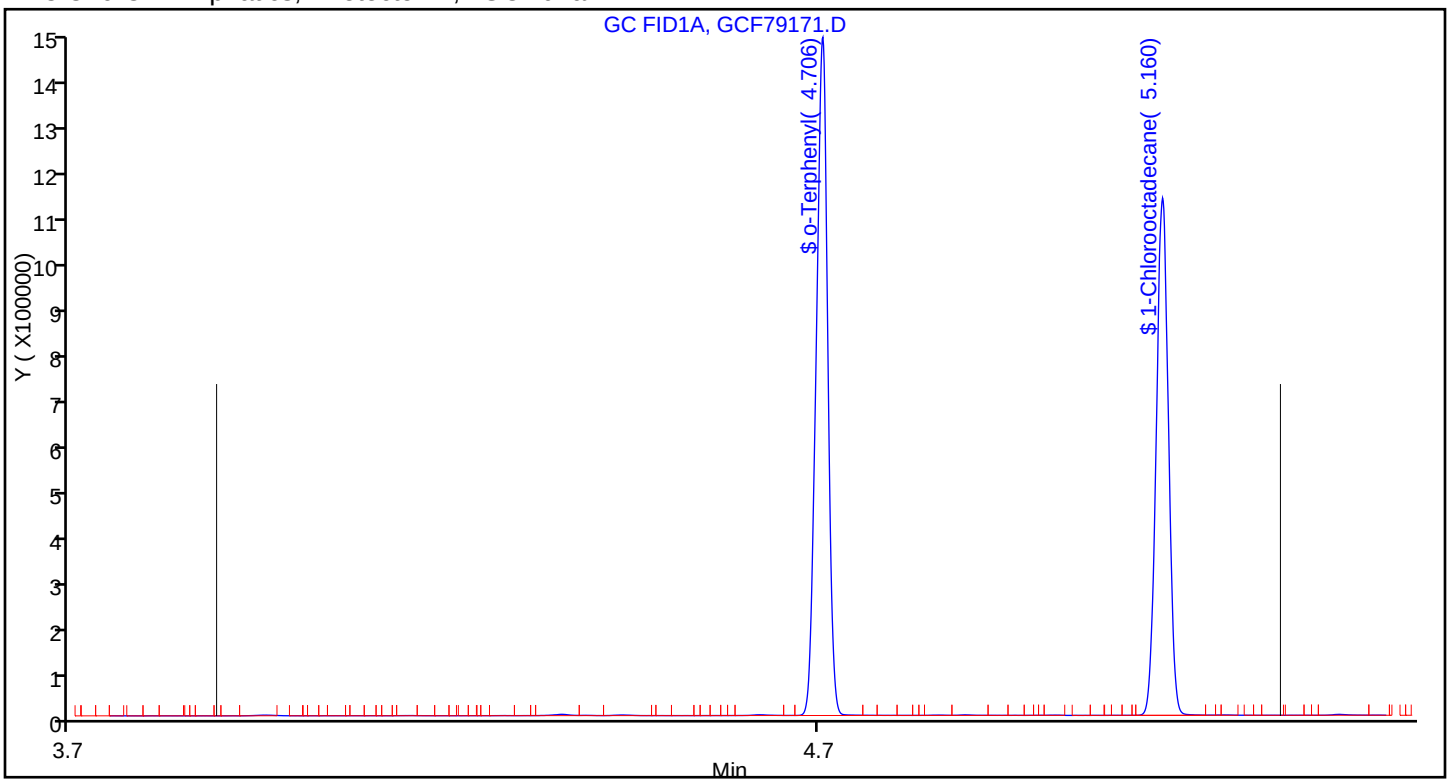
Report Date: 30-Jul-2013 15:23:21 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



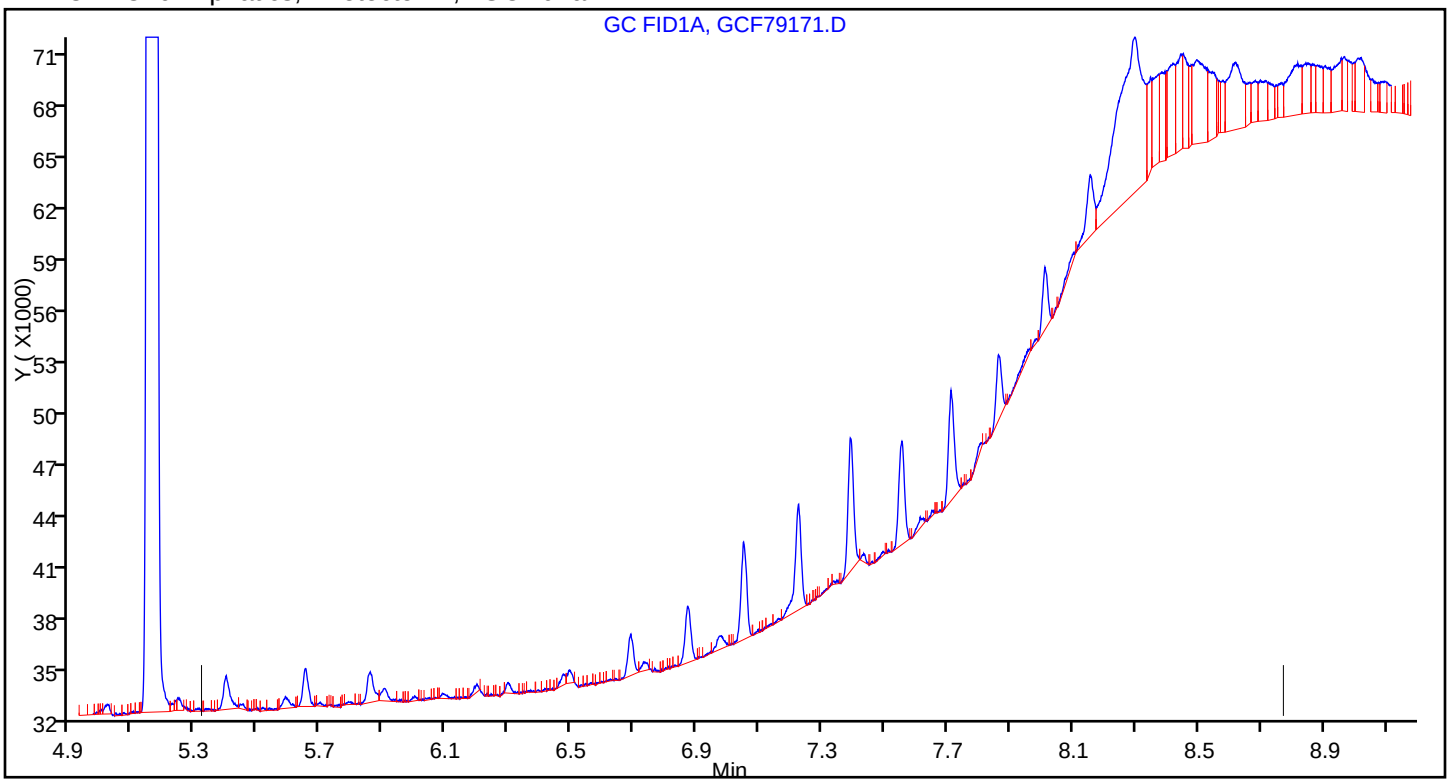
Report Date: 30-Jul-2013 15:23:21 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79171.D

Injection Date:	30-Jul-2013 12:01:38	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	1
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: PIBLK 460-173419/27

Matrix: Solid | Lab File ID: GCF79183.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 2(mL) | Date Analyzed: 07/30/2013 16:03

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	0.838		0.10	0.10
STL00191	C9-C12 Aliphatics	2.39		0.10	0.10
STL00950	C16-C21 Aliphatics	1.09		0.10	0.10
STL01059	C21-C40 Aliphatics	12.6		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	117		40-140
3386-33-2	1-Chlorooctadecane	115		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 16:03:01	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	173419	Lims Sample ID:	27
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 16:30:17	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	0.986	1.008	-0.022	3096	0	
A 1 C9-C12 Aliphatics	1.584	0.883 -	2.284	56479	2.39	
9 Dodecane	2.126	2.117	0.009	97	0	
A 2 C12-C16 Aliphatics	3.089	2.284 -	3.895	21428	0.8381	
10 Hexadecane	3.753	3.749	0.004	188	0	
A 3 C16-C21 Aliphatics	4.606	3.895 -	5.317	31504	1.09	
$ 6 o-Terphenyl	4.699	4.703	-0.004	1541219	58.3	
A 5 C9-C40	4.828	0.883 -	8.773	411050	15.9	
$ 7 1-Chlorooctadecane	5.151	5.162	-0.011	1252966	57.5	
11 C21		5.176				
A 4 C21-C40 Aliphatics	7.045	5.317 -	8.773	301711	12.6	
12 C40	8.608	8.620	-0.012	17207	0	

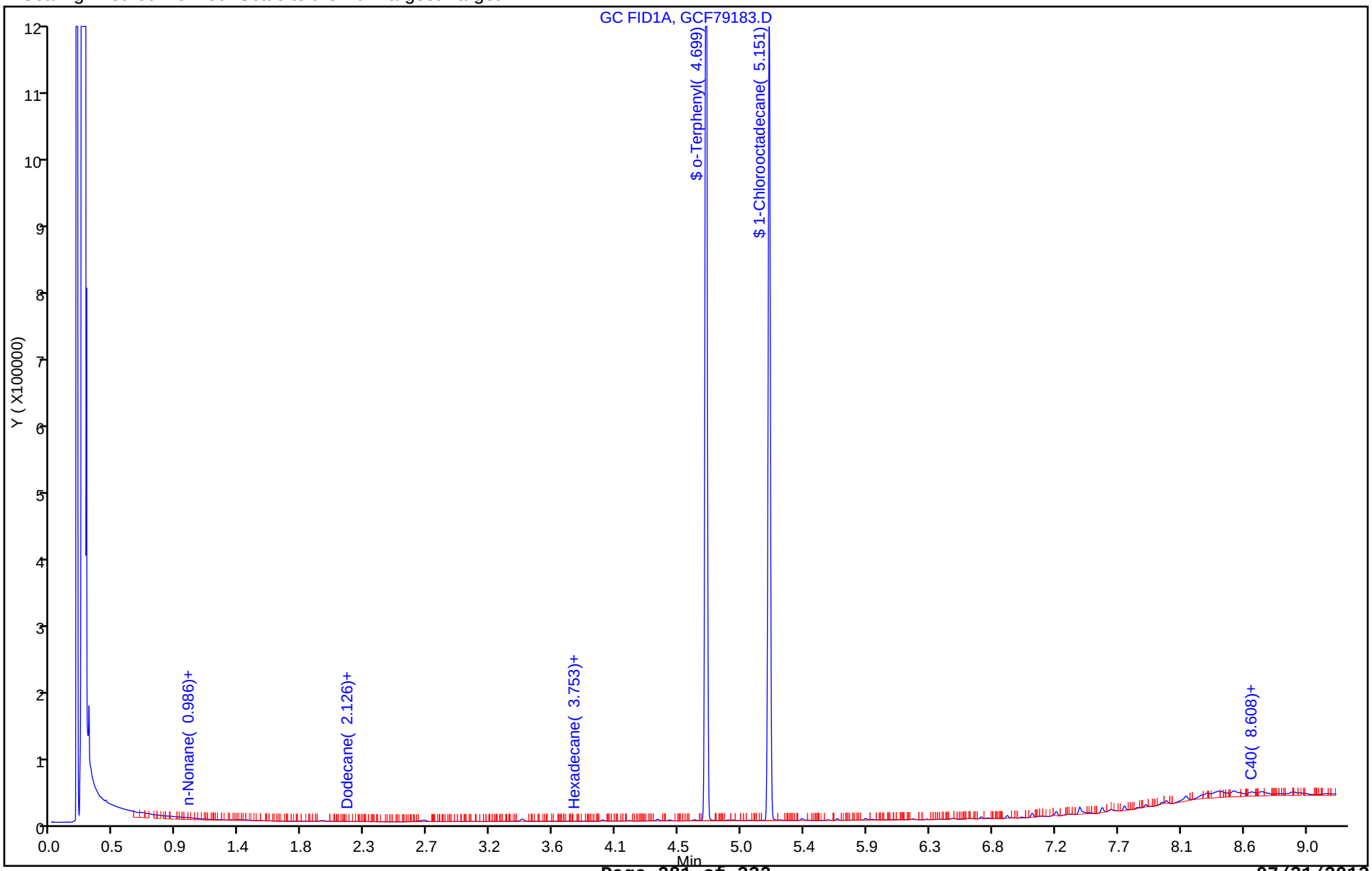
Report Date: 30-Jul-2013 16:30:25 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

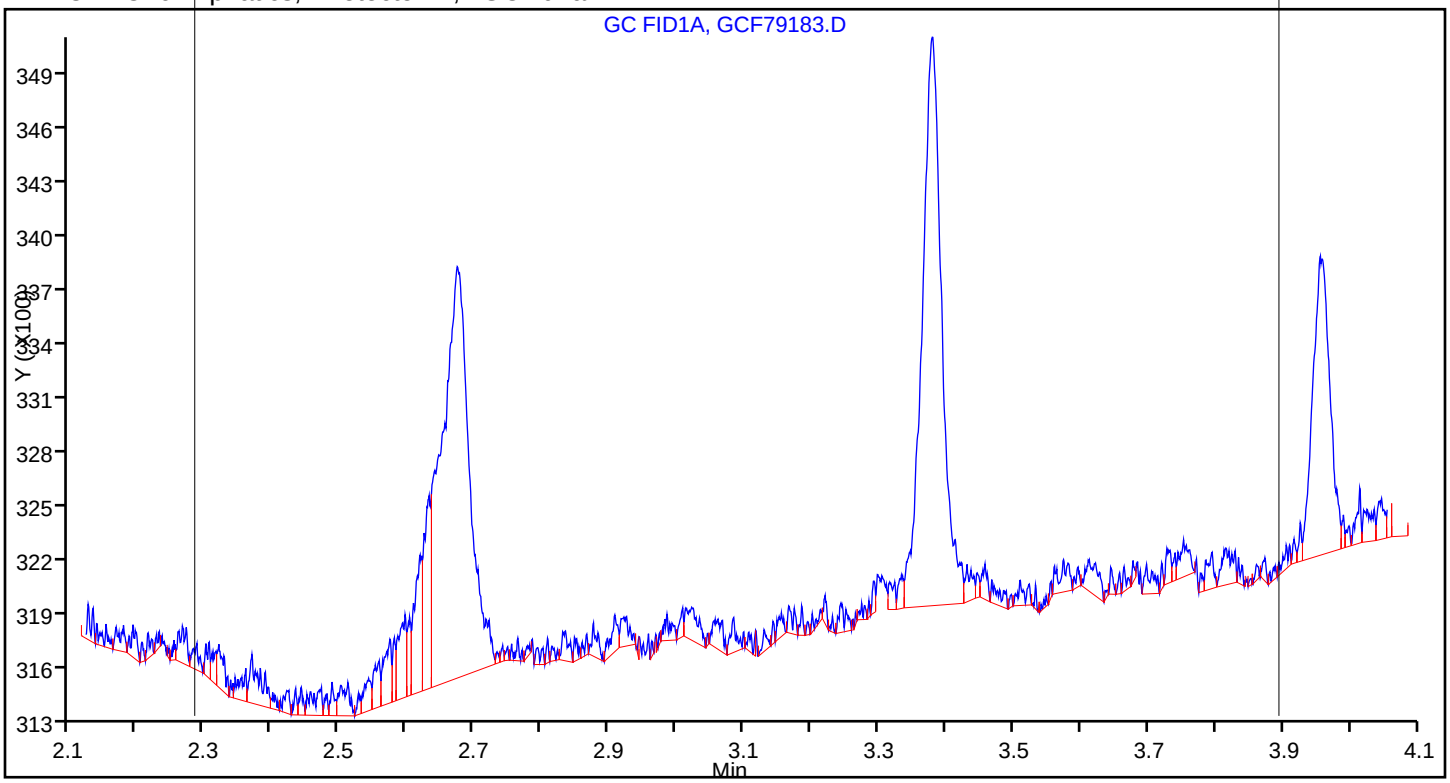


Report Date: 30-Jul-2013 16:30:26 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D		
Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a

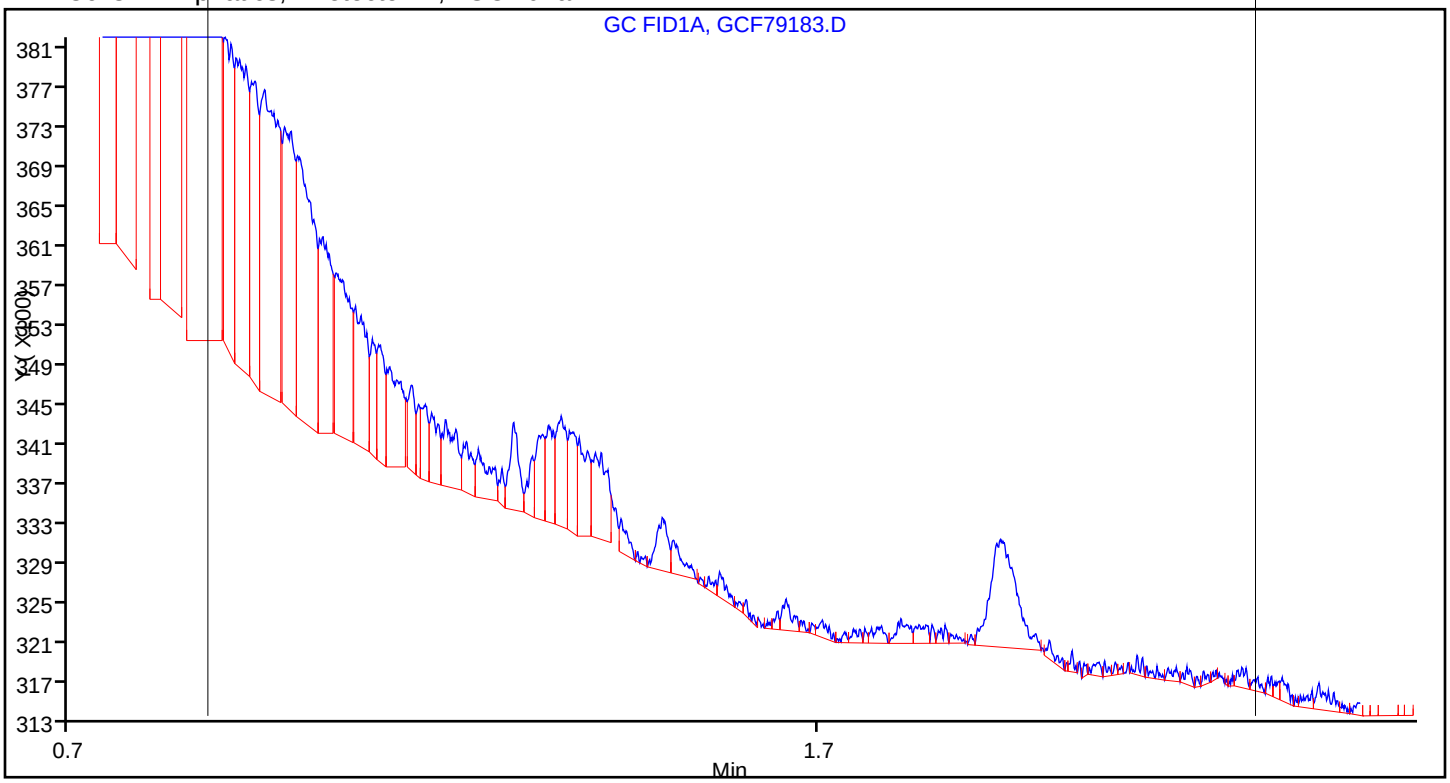


Report Date: 30-Jul-2013 16:30:25 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D		
Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a

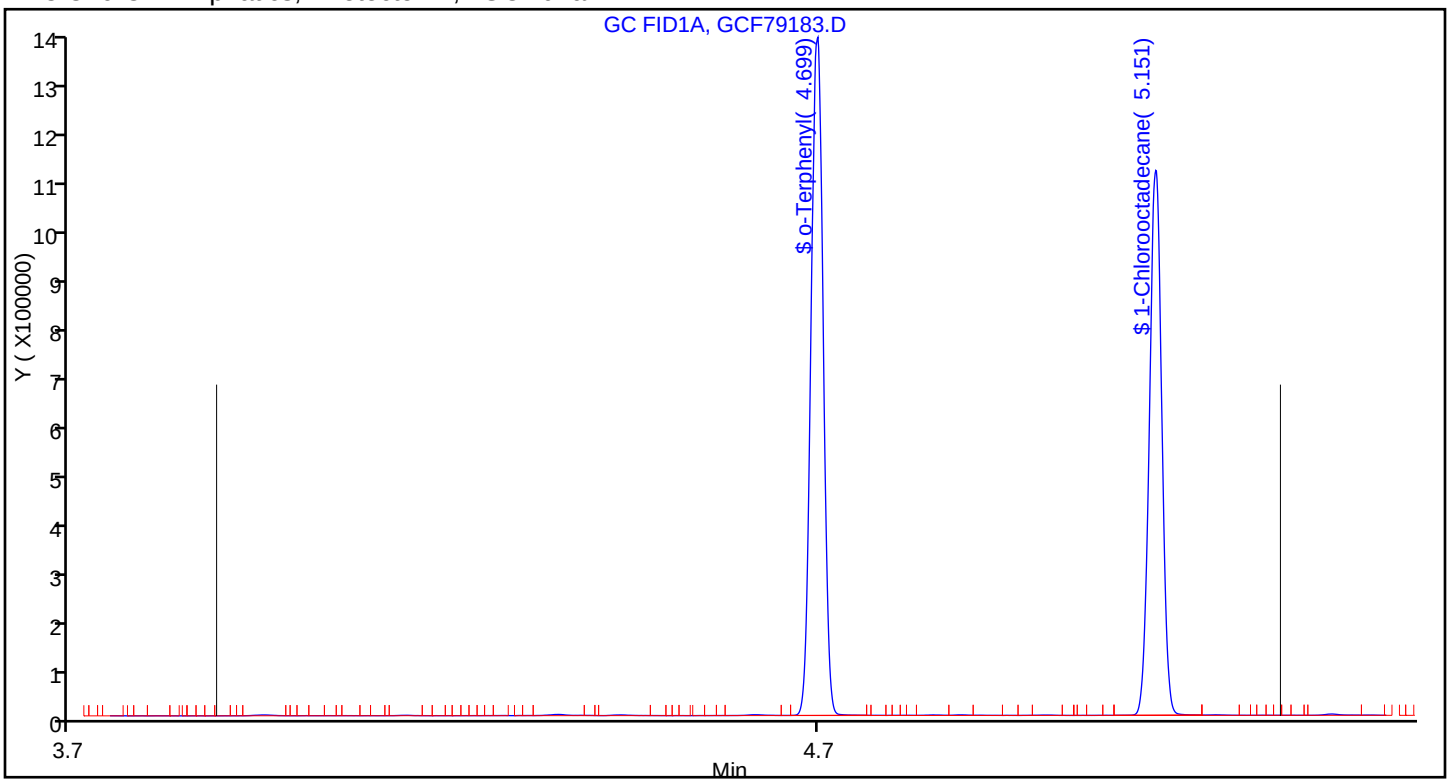


Report Date: 30-Jul-2013 16:30:26 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D		
Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



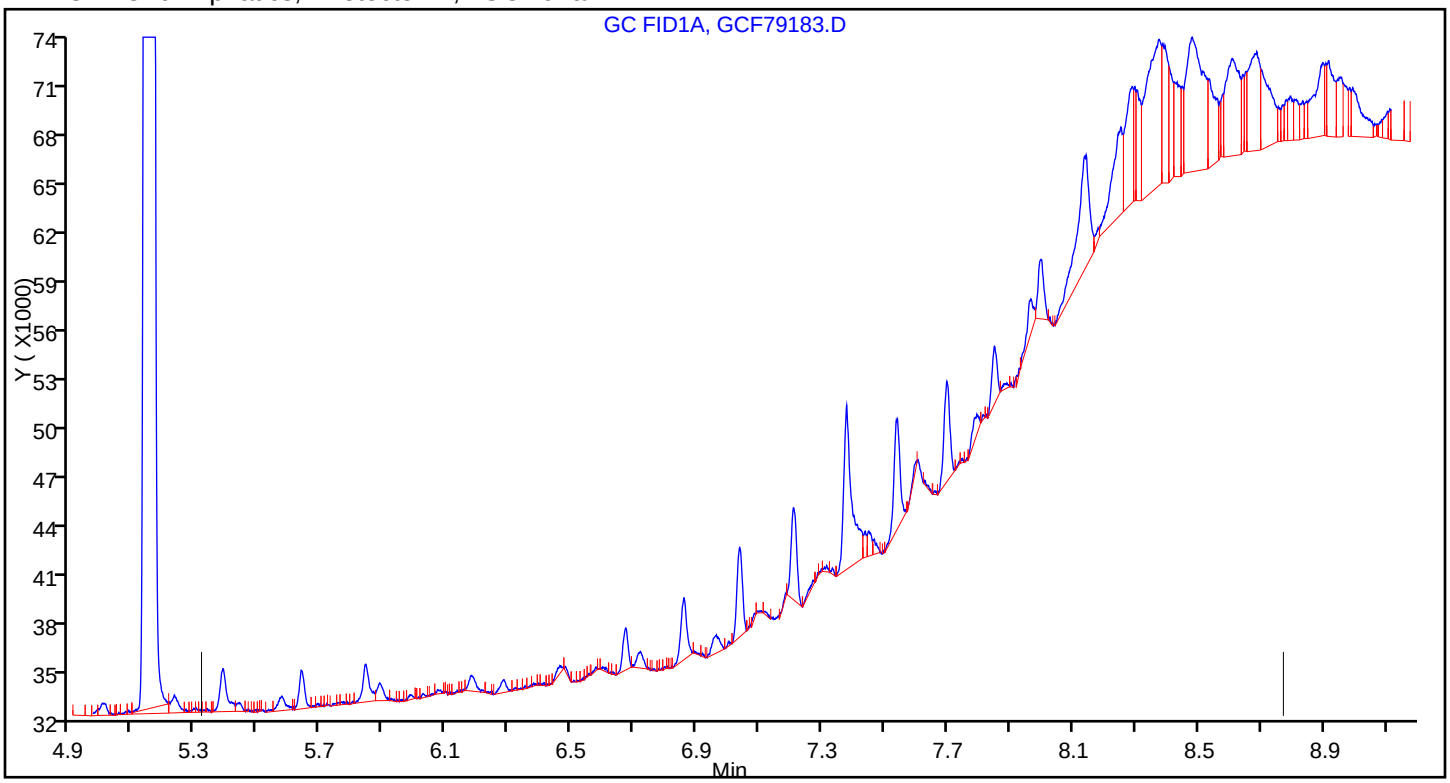
Report Date: 30-Jul-2013 16:30:26 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79183.D

Injection Date:	30-Jul-2013 16:03:01	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	27
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: Lab Sample ID: PIBLK 460-173419/29

Matrix: Solid Lab File ID: GCF79200.D

Analysis Method: NJDEP EPH Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 2(mL) Date Analyzed: 07/30/2013 20:09

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	1.11		0.10	0.10
STL00191	C9-C12 Aliphatics	2.99		0.10	0.10
STL00950	C16-C21 Aliphatics	0.941		0.10	0.10
STL01059	C21-C40 Aliphatics	12.9		0.10	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	117		40-140
3386-33-2	1-Chlorooctadecane	114		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D		
Lims ID:	PIBLK	Client ID:	
Inject. Date:	30-Jul-2013 20:09:35	Dil. Factor:	1.0000
Sample Type:	PIBLK		
Sample ID:	ib		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	173419	Lims Sample ID:	29
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	31-Jul-2013 08:13:13	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK023		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
8 n-Nonane	1.013	1.008	0.005	7075	0	
A 1 C9-C12 Aliphatics	1.584	0.883 -	2.284	70511	2.99	
9 Dodecane	2.121	2.117	0.004	124	0	
A 2 C12-C16 Aliphatics	3.089	2.284 -	3.895	28354	1.11	
10 Hexadecane	3.742	3.749	-0.007	203	0	
A 3 C16-C21 Aliphatics	4.606	3.895 -	5.317	27257	0.9414	
$ 6 o-Terphenyl	4.699	4.703	-0.004	1542358	58.3	
A 5 C9-C40	4.828	0.883 -	8.773	435257	16.9	
$ 7 1-Chlorooctadecane	5.149	5.162	-0.013	1247067	57.2	
11 C21	5.225	5.176	0.049	742	0	
A 4 C21-C40 Aliphatics	7.045	5.317 -	8.773	309163	12.9	
12 C40	8.633	8.620	0.013	7250	0	

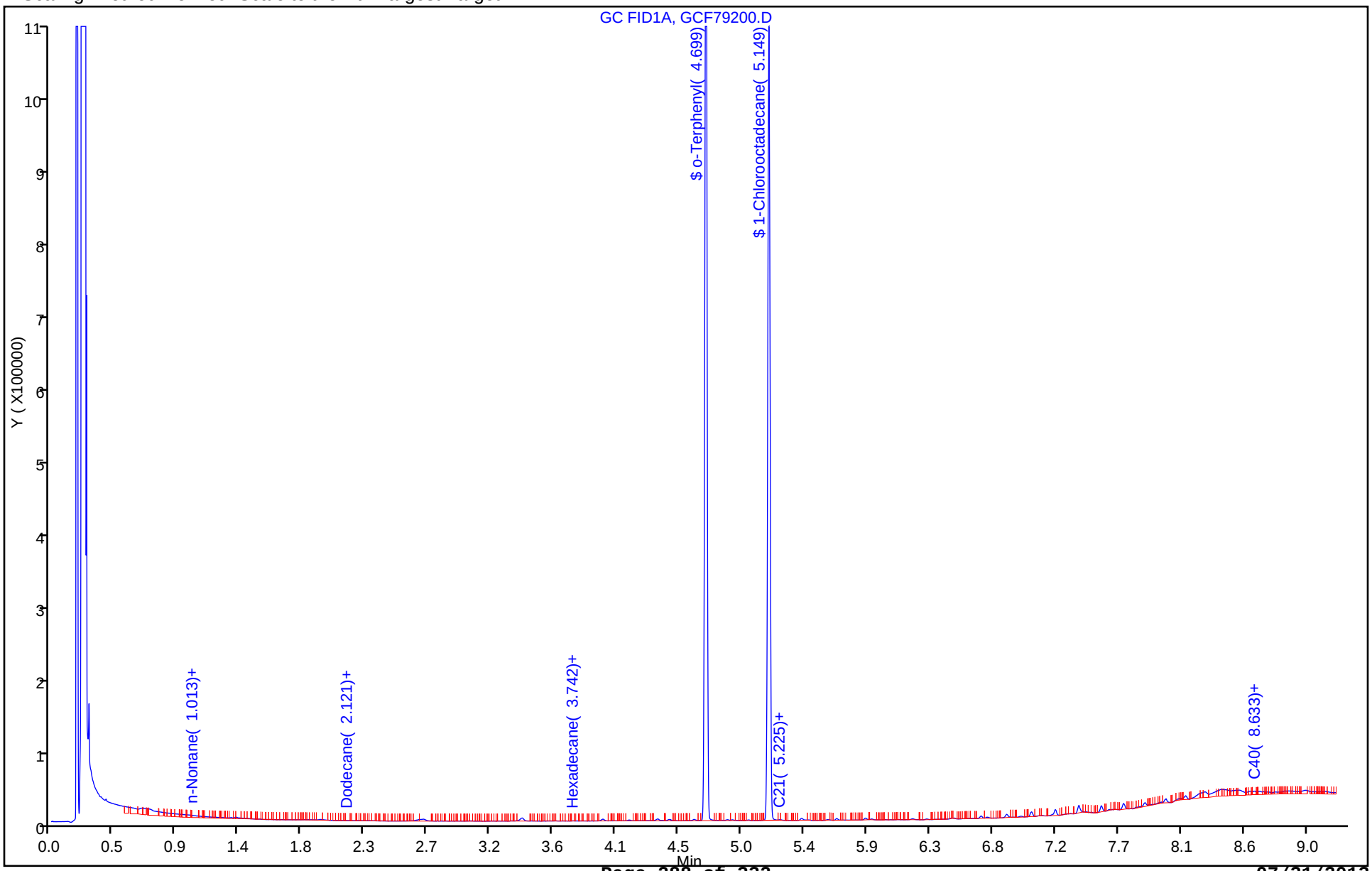
Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D

Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

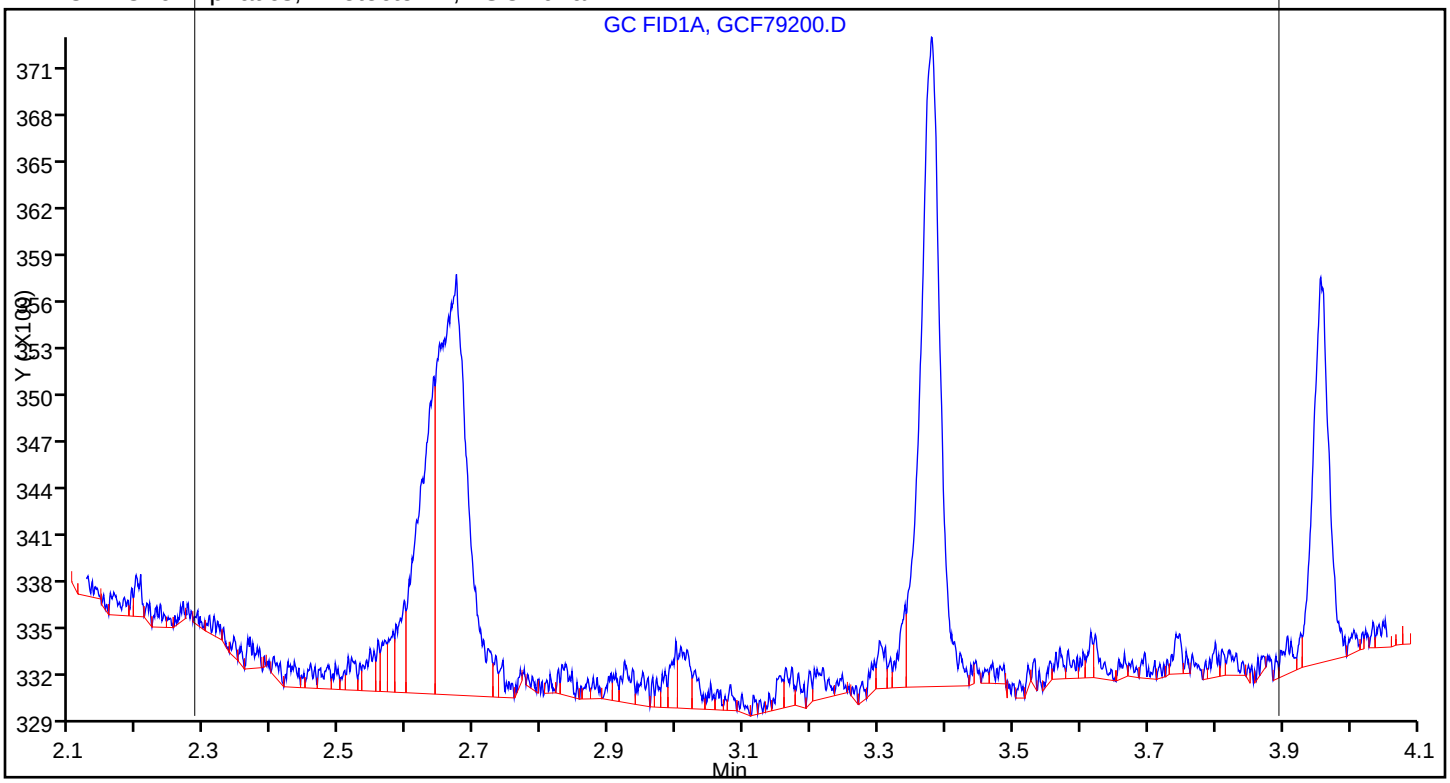


Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D		
Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



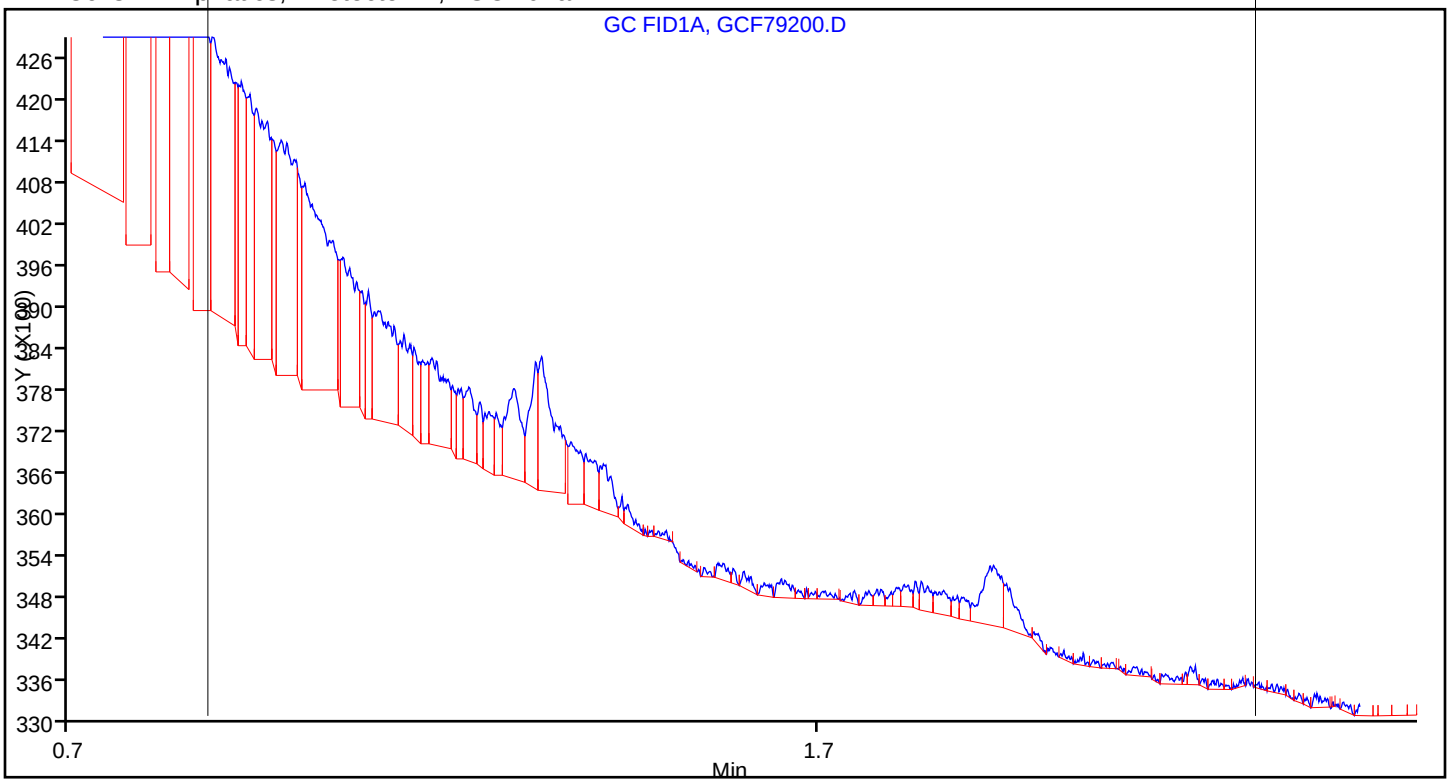
Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D

Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



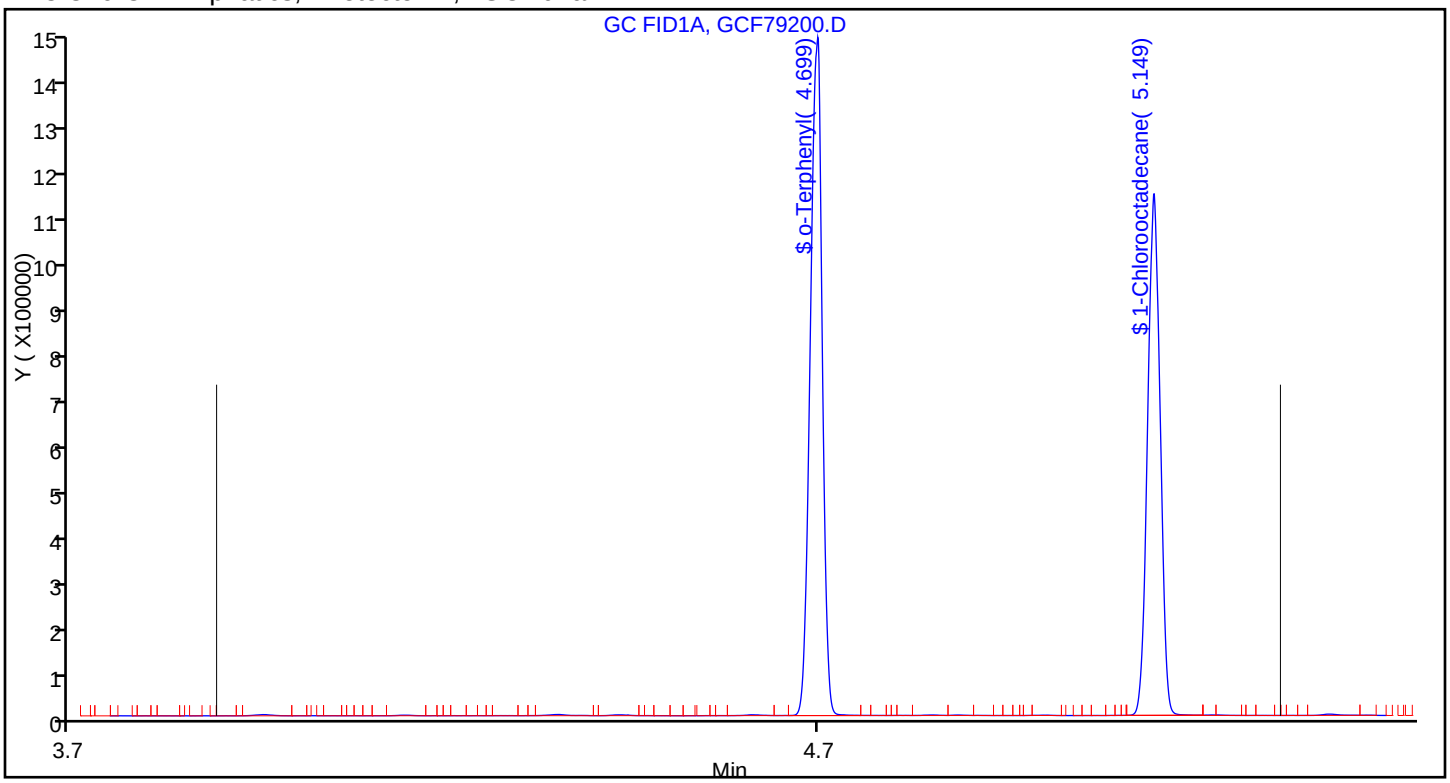
Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D

Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



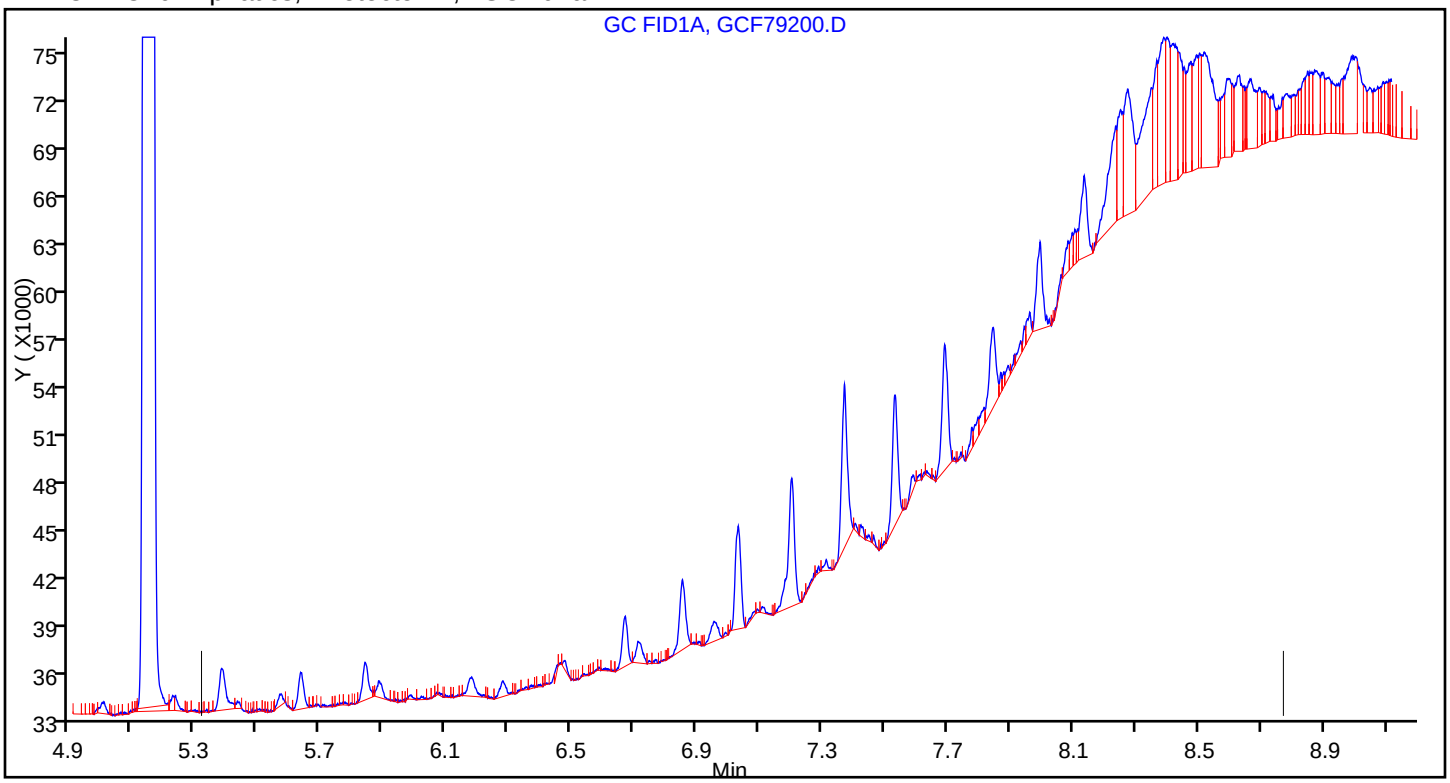
Report Date: 31-Jul-2013 08:13:59 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79200.D

Injection Date:	30-Jul-2013 20:09:35	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	29
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: LCS 460-173297/2-A

Matrix: Solid | Lab File ID: GCF79174.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 14.98(g) | Date Analyzed: 07/30/2013 13:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173419 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00159	C12-C16 Aliphatics	14.0		2.0	2.0
STL00191	C9-C12 Aliphatics	21.4		2.0	2.0
STL00950	C16-C21 Aliphatics	29.2		2.0	2.0
STL01059	C21-C40 Aliphatics	64.1		2.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	101		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D		
Lims ID:	LCS 460-173297/2-A	Client ID:	
Inject. Date:	30-Jul-2013 13:43:51	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	460-0002936-004		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	173419	Lims Sample ID:	4
Detector:	GC FID1A		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\ALEPH4F.m		
Last Update:	30-Jul-2013 15:23:21	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1413.b\GCF77781.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:	Rtx-5MS	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: kimh		Date:	30-Jul-2013 14:21:34

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	8 n-Nonane	1.009	1.008	0.001	694651	0	
A	1 C9-C12 Aliphatics	1.584	0.883 -	2.284	3792931	160.7	
A	2 C12-C16 Aliphatics	3.089	2.284 -	3.895	2679431	104.8	
A	3 C16-C21 Aliphatics	4.606	3.895 -	5.317	6331844	218.7	
$	6 o-Terphenyl		4.703				
A	5 C9-C40	4.828	0.883 -	8.773	24298095	941.5	
$	7 1-Chlorooctadecane	5.157	5.162	-0.005	1105731	50.7	
	11 C21	5.174	5.176	-0.002	1362462	0	
A	4 C21-C40 Aliphatics	7.045	5.317 -	8.773	11493889	479.8	

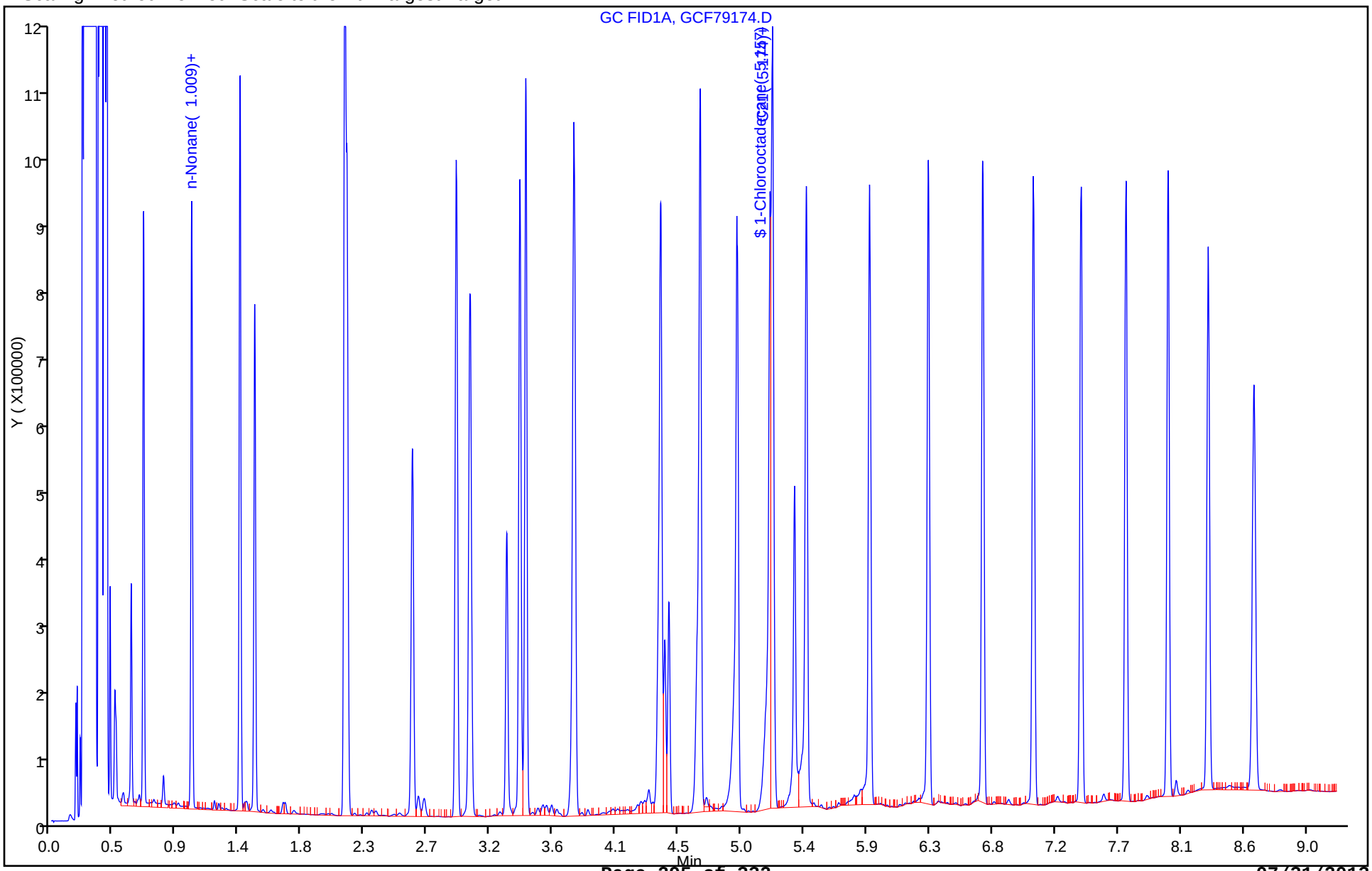
Report Date: 30-Jul-2013 15:23:24 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



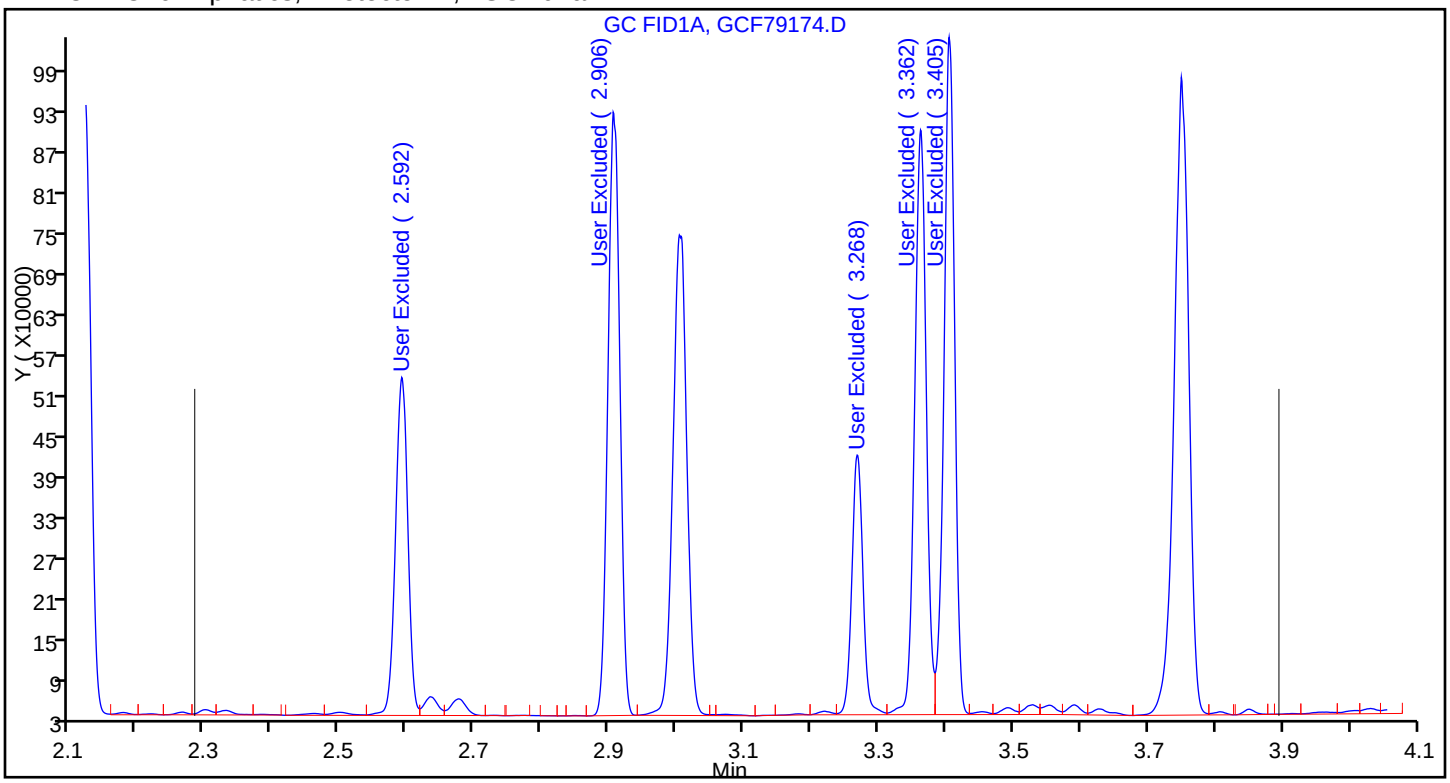
Report Date: 30-Jul-2013 15:23:24 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 2 C12-C16 Aliphatics, Detector: 1, GC fid1a



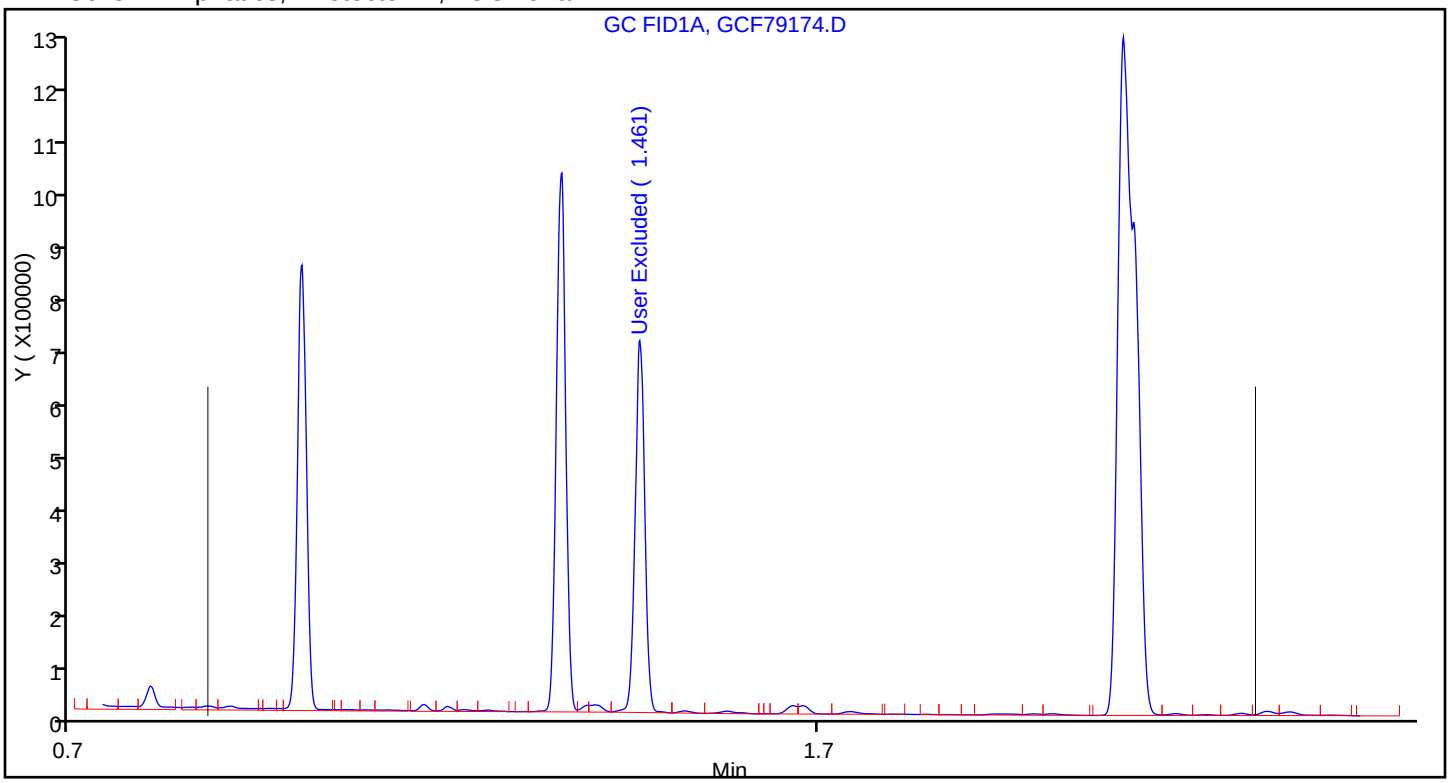
Report Date: 30-Jul-2013 15:23:24 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 1 C9-C12 Aliphatics, Detector: 1, GC fid1a



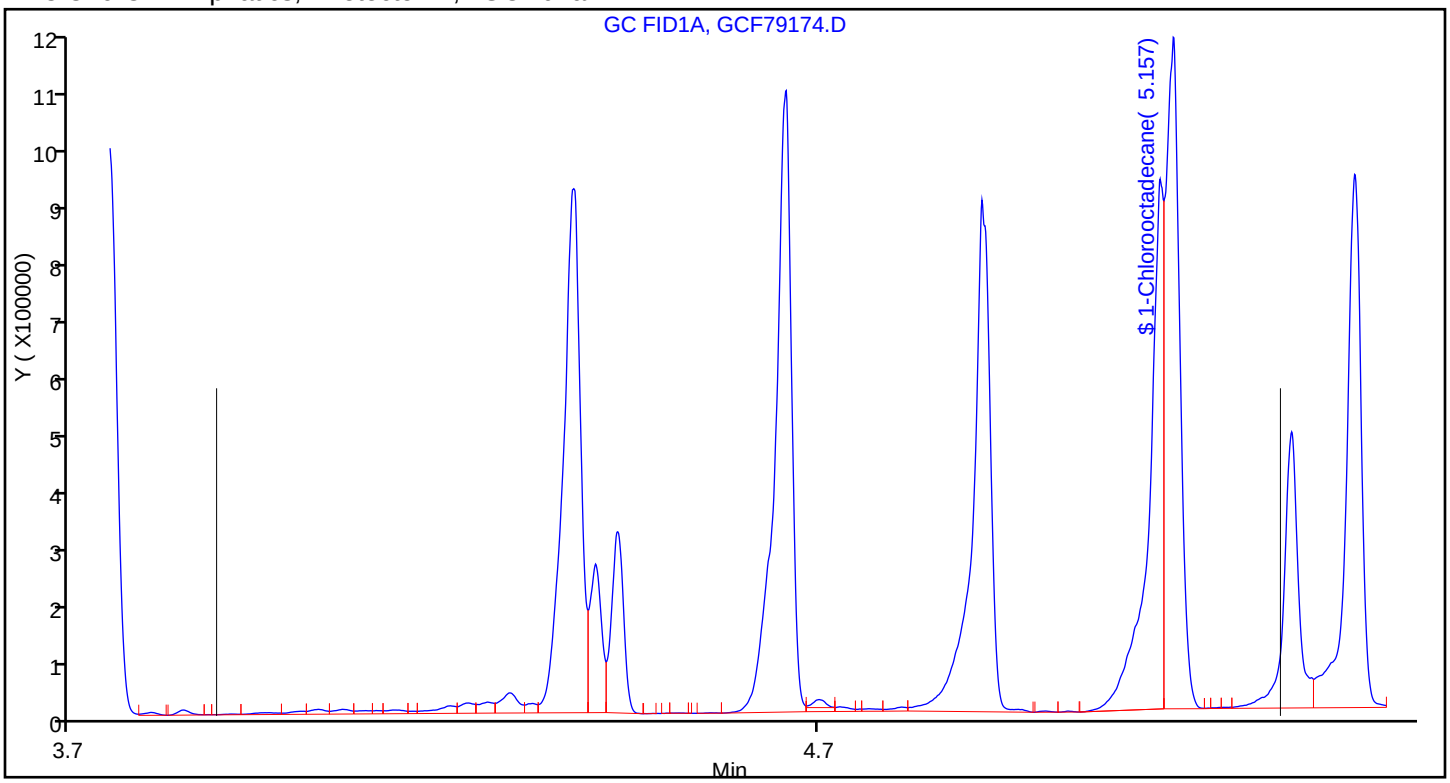
Report Date: 30-Jul-2013 15:23:24 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 3 C16-C21 Aliphatics, Detector: 1, GC fid1a



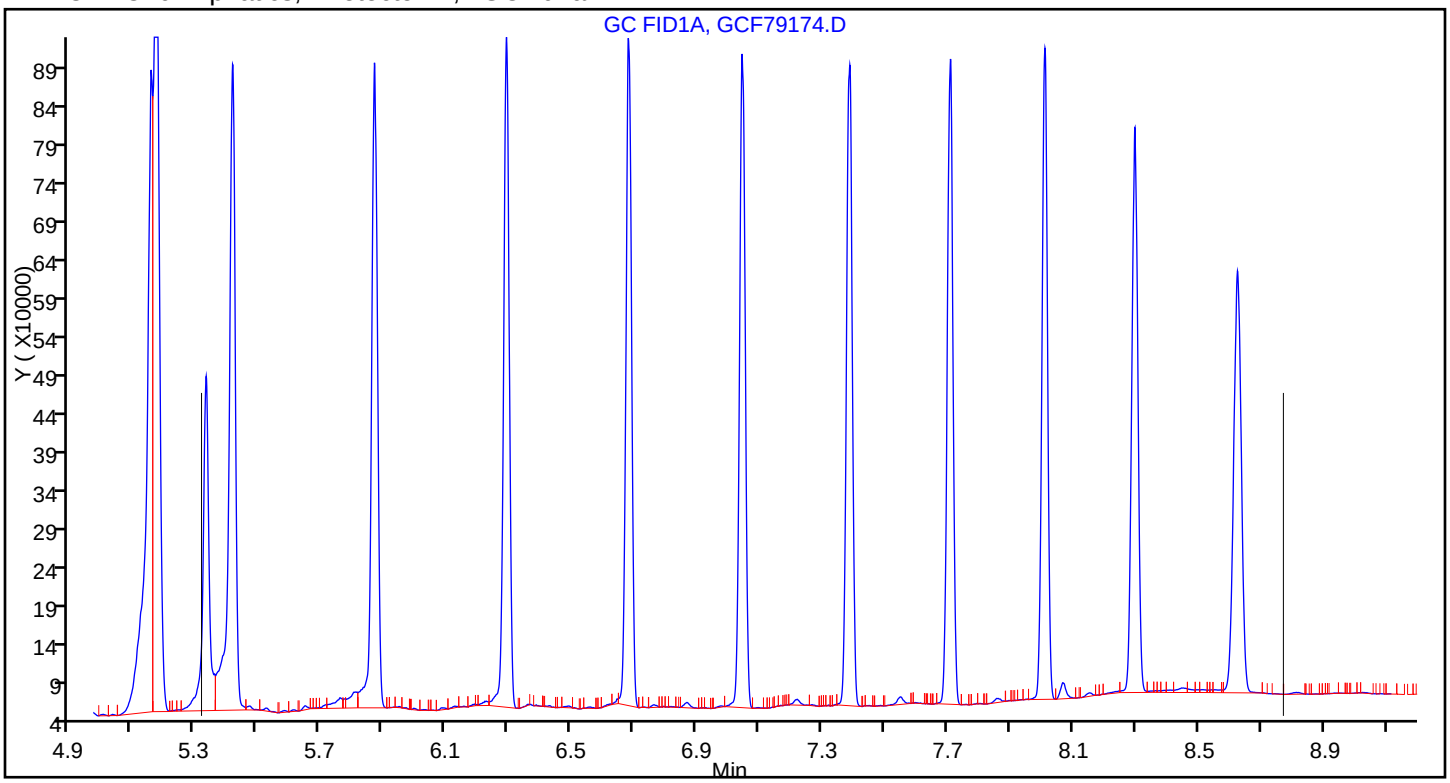
Report Date: 30-Jul-2013 15:23:24 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2936.b\GCF79174.D

Injection Date:	30-Jul-2013 13:43:51	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173419	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:	Rtx-5MS	Column Dia:	0.25 mm

A 4 C21-C40 Aliphatics, Detector: 1, GC fid1a



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: | Lab Sample ID: LCS 460-173297/2-A

Matrix: Solid | Lab File ID: GCR78334.D

Analysis Method: NJDEP EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 07/30/2013 00:37

Sample wt/vol: 14.98(g) | Date Analyzed: 07/30/2013 14:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-5MS ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 173375 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00004	C16-C21 Aromatics	32.3		2.0	2.0
STL00011	C10-C12 Aromatics	8.85		2.0	2.0
STL00266	C12-C16 Aromatics	13.9		2.0	2.0
STL01060	C21-C36 Aromatic	52.1		2.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	88		40-140
321-60-8	2-Fluorobiphenyl	86		40-140
580-13-2	2-Bromonaphthalene	48		40-140

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D		
Lims ID:	LCS 460-173297/2-A	Client ID:	
Inject. Date:	30-Jul-2013 14:02:42	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	460-0002929-004		
Misc. Info.:			
Operator:	615	Instrument ID:	CBNAGC4
Injection Vol:	1.0 ul	ALS Bottle#:	57
Lims Batch ID:	173375	Lims Sample ID:	4
Detector:	GC FID2B		
Method:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\AREPH4R.m		
Last Update:	30-Jul-2013 15:24:00	Calib Date:	10-Jun-2013 18:06:34
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\EDICHROM\ChromData\CBNAGC4\20130610-1416.b\GCR77275.D		
Limit Group:	GC NJEPH ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK011		

First Level Reviewer: kimh Date: 30-Jul-2013 14:20:35

	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
A	2 C10-C12 Aromatics					
	1.723	1.262 - 2.184		2510779	66.3	
$	3 2-Fluorobiphenyl					
	2.781	2.778	0.003	2739454	43.0	
A	4 C12-C16 Aromatics					
	2.818	2.184 - 3.452		4046090	104.3	
$	5 2-Bromonaphthalene					
	3.234	3.233	0.001	980274	23.8	
A	7 C16-C21 Aromatics					
	4.392	3.452 - 5.332		9407576	241.7	
$	8 o-Terphenyl					
	4.570	4.565	0.005	1564293	43.9	
A	10 C21-C36 Aromatic					
	6.475	5.332 - 7.617		13962316	390.1	

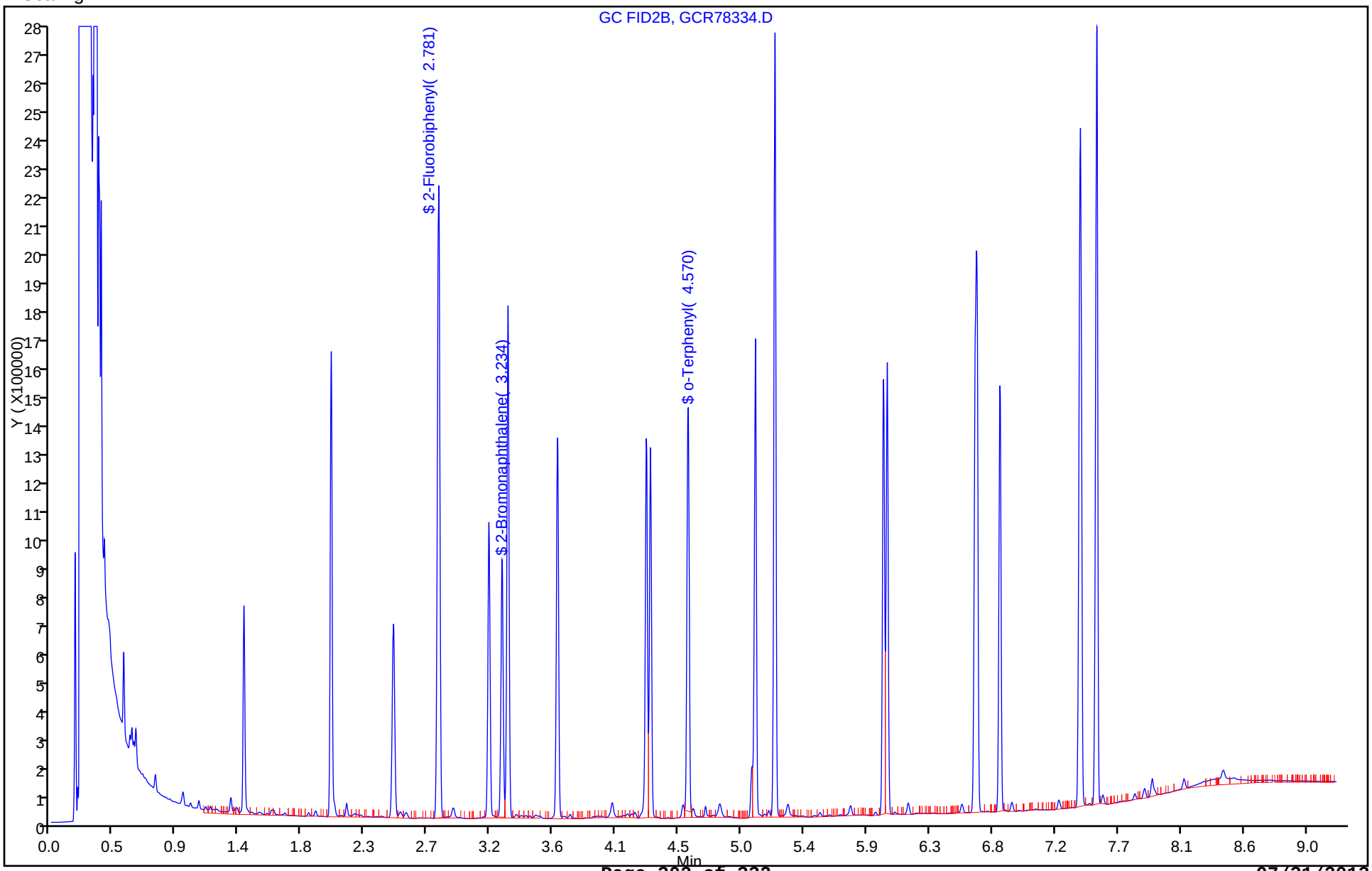
Report Date: 30-Jul-2013 15:24:10 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D

Injection Date:	30-Jul-2013 14:02:42	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling:



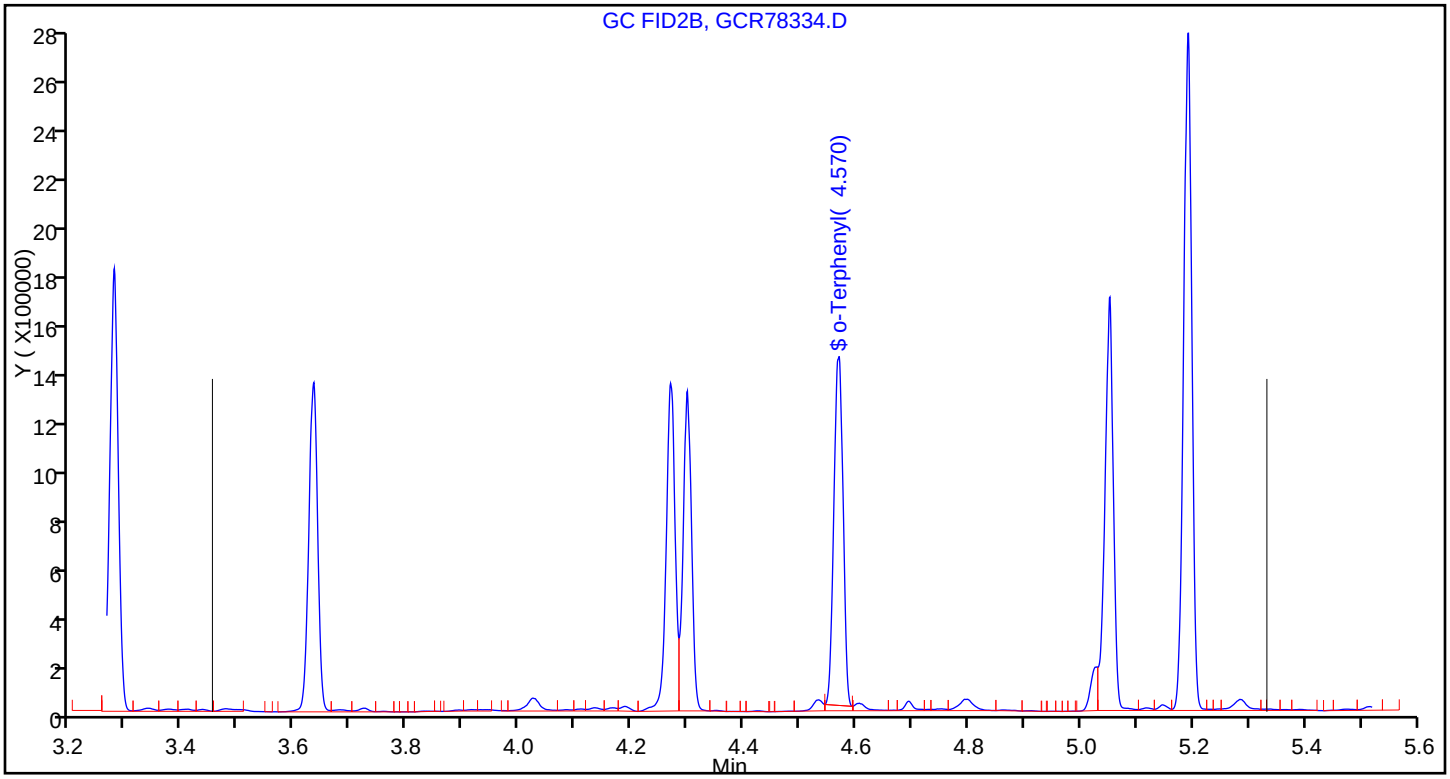
Report Date: 30-Jul-2013 15:24:10 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D

Injection Date:	30-Jul-2013 14:02:42	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 7 C16-C21 Aromatics, Detector: 1, GC fid2b

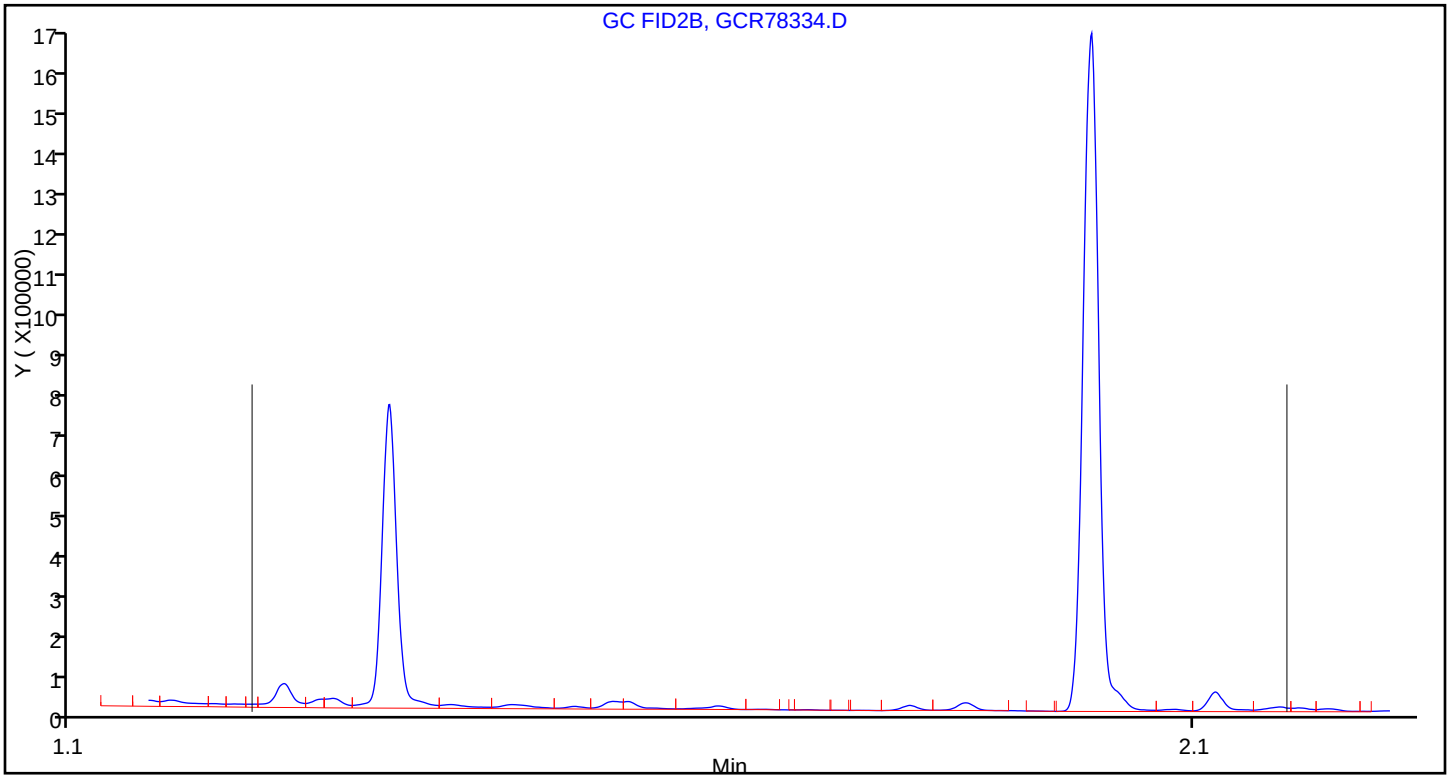


Report Date: 30-Jul-2013 15:24:10 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D		
Injection Date:	30-Jul-2013 14:02:42	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 2 C10-C12 Aromatics, Detector: 1, GC fid2b

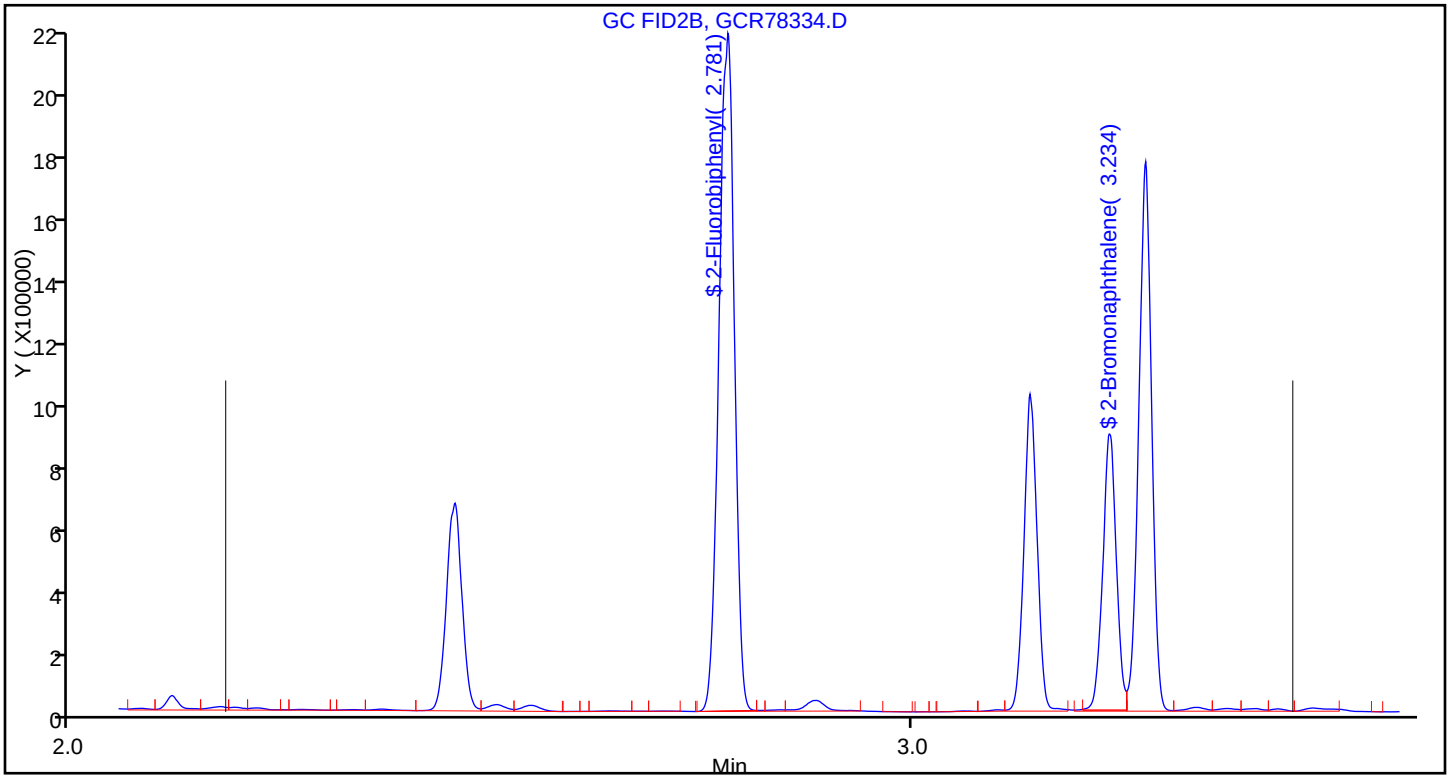


Report Date: 30-Jul-2013 15:24:10 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D		
Injection Date:	30-Jul-2013 14:02:42	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 4 C12-C16 Aromatics, Detector: 1, GC fid2b

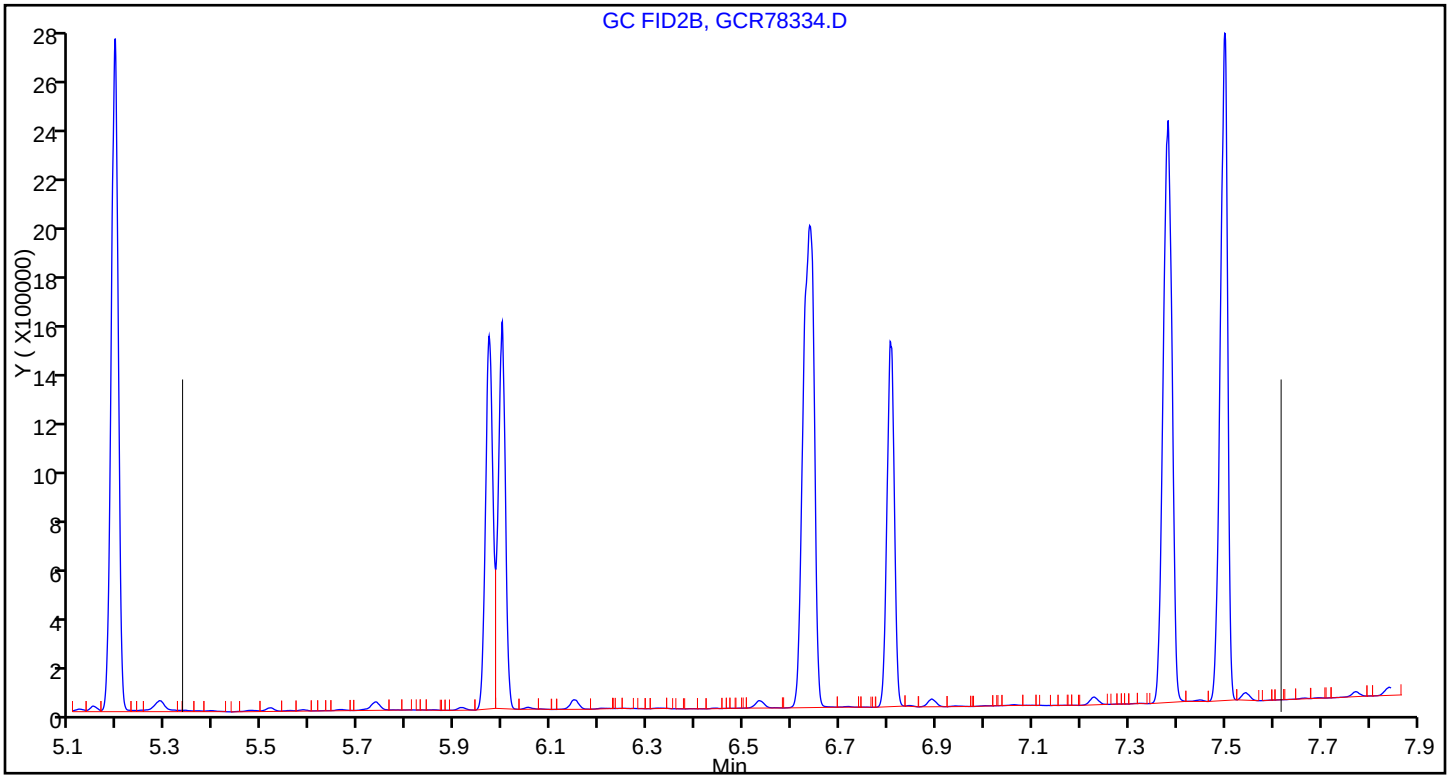


Report Date: 30-Jul-2013 15:24:10 Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAGC4\20130730-2929.b\GCR78334.D		
Injection Date:	30-Jul-2013 14:02:42	Limit Group:	GC NJEPH ICAL
Client ID:		Instrument ID:	CBNAGC4
Lims Batch ID:	173375	Lims Sample ID:	4
Operator ID:	615	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

A 10 C21-C36 Aromatic, Detector: 1, GC fid2b



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Start Date: 06/10/2013 16:54

Analysis Batch Number: 165013 End Date: 06/10/2013 18:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-165013/1		06/10/2013 16:54	1		Rtx-5MS 0.25(mm)
STD1 460-165013/2 IC		06/10/2013 17:08	1	GCF77777.D	Rtx-5MS 0.25(mm)
STD2 460-165013/3 IC		06/10/2013 17:23	1	GCF77778.D	Rtx-5MS 0.25(mm)
STD3 460-165013/4 IC		06/10/2013 17:37	1	GCF77779.D	Rtx-5MS 0.25(mm)
STD4 460-165013/5 IC		06/10/2013 17:52	1	GCF77780.D	Rtx-5MS 0.25(mm)
STD5 460-165013/6 IC		06/10/2013 18:06	1	GCF77781.D	Rtx-5MS 0.25(mm)
ICV 460-165013/7		06/10/2013 18:21	1		Rtx-5MS 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Start Date: 06/10/2013 16:54

Analysis Batch Number: 165014 End Date: 06/10/2013 18:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-165014/1		06/10/2013 16:54	1		Rtx-5MS 0.25(mm)
STD1 460-165014/2 IC		06/10/2013 17:08	1	GCR77271.D	Rtx-5MS 0.25(mm)
STD2 460-165014/3 IC		06/10/2013 17:23	1	GCR77272.D	Rtx-5MS 0.25(mm)
STD3 460-165014/4 IC		06/10/2013 17:37	1	GCR77273.D	Rtx-5MS 0.25(mm)
STD4 460-165014/5 IC		06/10/2013 17:52	1	GCR77274.D	Rtx-5MS 0.25(mm)
STD5 460-165014/6 IC		06/10/2013 18:06	1	GCR77275.D	Rtx-5MS 0.25(mm)
ICV 460-165014/7		06/10/2013 18:21	1		Rtx-5MS 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Start Date: 07/30/2013 12:01

Analysis Batch Number: 173375 End Date: 07/30/2013 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-173375/1		07/30/2013 12:01	1	GCR78331.D	Rtx-5MS 0.25(mm)
CCV 460-173375/2		07/30/2013 12:16	1	GCR78332.D	Rtx-5MS 0.25(mm)
MB 460-173297/1-A		07/30/2013 13:43	1	GCR78333.D	Rtx-5MS 0.25(mm)
LCS 460-173297/2-A		07/30/2013 14:02	1	GCR78334.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:17	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:31	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:46	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:17	10		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:34	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:48	1		Rtx-5MS 0.25(mm)
PIBLK 460-173375/27		07/30/2013 16:03	1	GCR78342.D	Rtx-5MS 0.25(mm)
CCV 460-173375/28		07/30/2013 16:17	1	GCR78343.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 16:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 16:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:02	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:16	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:30	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:45	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:14	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:28	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:43	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:57	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 19:12	1		Rtx-5MS 0.25(mm)
200-17642-2	TS003 (072413)	07/30/2013 19:26	1	GCR78356.D	Rtx-5MS 0.25(mm)
200-17642-3	TS004 (072413)	07/30/2013 19:40	1	GCR78357.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 19:55	1		Rtx-5MS 0.25(mm)
PIBLK 460-173375/29		07/30/2013 20:09	1	GCR78359.D	Rtx-5MS 0.25(mm)
CCV 460-173375/30		07/30/2013 20:23	1	GCR78360.D	Rtx-5MS 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: CBNAGC4 Start Date: 07/30/2013 12:01

Analysis Batch Number: 173419 End Date: 07/30/2013 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-173419/1		07/30/2013 12:01	1	GCF79171.D	Rtx-5MS 0.25(mm)
CCV 460-173419/2		07/30/2013 12:16	1	GCF79172.D	Rtx-5MS 0.25(mm)
MB 460-173297/1-A		07/30/2013 13:11	1	GCF79173.D	Rtx-5MS 0.25(mm)
LCS 460-173297/2-A		07/30/2013 13:43	1	GCF79174.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:02	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:17	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:31	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 14:46	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:17	20		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:34	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 15:48	1		Rtx-5MS 0.25(mm)
PIBLK 460-173419/27		07/30/2013 16:03	1	GCF79183.D	Rtx-5MS 0.25(mm)
CCV 460-173419/28		07/30/2013 16:17	1	GCF79184.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 16:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 16:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:02	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:16	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:30	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:45	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 17:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:14	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:28	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:43	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 18:57	1		Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 19:12	1		Rtx-5MS 0.25(mm)
200-17642-2	TS003 (072413)	07/30/2013 19:26	1	GCF79197.D	Rtx-5MS 0.25(mm)
200-17642-3	TS004 (072413)	07/30/2013 19:40	1	GCF79198.D	Rtx-5MS 0.25(mm)
ZZZZZ		07/30/2013 19:55	1		Rtx-5MS 0.25(mm)
PIBLK 460-173419/29		07/30/2013 20:09	1	GCF79200.D	Rtx-5MS 0.25(mm)
CCV 460-173419/30		07/30/2013 20:23	1	GCF79201.D	Rtx-5MS 0.25(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Batch Number: 173297 Batch Start Date: 07/30/13 00:35 Batch Analyst: Silva, Jose

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP NJEPH surr 00001	OPEPH2BROMO 00011	OPEPH2FLUORO 00016	OPEPHAro_SPK 00014
MB 460-173297/1		3546, NJDEP EPH		15.03 g	2 mL	1 mL	1 mL	1 mL	
LCS 460-173297/2		3546, NJDEP EPH		14.98 g	2 mL	1 mL	1 mL	1 mL	1 mL
200-17642-J-2	TS003 (072413)	3546, NJDEP EPH	T	15.02 g	2 mL	1 mL	1 mL	1 mL	
200-17642-J-3	TS004 (072413)	3546, NJDEP EPH	T	15.03 g	2 mL	1 mL	1 mL	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPEPHFlordaSP 00011	OPEPHmixALISP 00012				
MB 460-173297/1		3546, NJDEP EPH							
LCS 460-173297/2		3546, NJDEP EPH		1 mL	1 mL				
200-17642-J-2	TS003 (072413)	3546, NJDEP EPH	T						
200-17642-J-3	TS004 (072413)	3546, NJDEP EPH	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Batch Number: 173297 Batch Start Date: 07/30/13 00:35 Batch Analyst: Silva, Jose

Batch Method: 3546 Batch End Date:

Batch Notes	
Balance ID	28
Batch Comment	EPH SOIL - Fractionation
Person's name who did the concentration	JS
Exchange Solvent Lot #	43132
Exchange Solvent Name	HEXANE
Final Concentrator Volume	2 mL
MeCL2 Lot #	49204
Microwave Start Time	2300
Microwave Stop Time	2330
Na2SO4 Lot Number	308301
Person's name who did the prep	Jose
SOP Number	3546
Water Bath ID	222299 = N - EVAP
Water Bath Temperature	37C (37C UNCORRECTED) = N - EVAP

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NJEPH_Calc

New Jersey - Extractable Petroleum Hydrocarbons

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS003 (072413) Lab Sample ID: 200-17642-2

Matrix: Solid Lab File ID:

Analysis Method: NJ DEP EPH Date Collected: 07/24/2013 13:30

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 07/31/2013 14:29

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 173688 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL01063	Total Aromatics	28		2.0	2.0
STL01064	Total Aliphatics	78		2.0	2.0
STL00362	Total EPH	110		2.0	2.0

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Client Sample ID: TS004 (072413) Lab Sample ID: 200-17642-3

Matrix: Solid Lab File ID:

Analysis Method: NJ DEP EPH Date Collected: 07/24/2013 14:30

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 07/31/2013 14:29

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 173688 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL01063	Total Aromatics	33		2.0	2.0
STL01064	Total Aliphatics	88		2.0	2.0
STL00362	Total EPH	120		2.0	2.0

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: NOEQUIP Start Date: 07/31/2013 14:29

Analysis Batch Number: 173688 End Date: 07/31/2013 14:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
ZZZZZ		07/31/2013 14:29	1		
200-17642-2	TS003 (072413)	07/31/2013 14:29	1		
200-17642-3	TS004 (072413)	07/31/2013 14:29	1		

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 200-17642-3

SDG No.: 200-17642-1

Project: Atlantic Resources Corp

Client Sample ID	Lab Sample ID
TS003 (072413)	200-17642-2
TS004 (072413)	200-17642-3

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TS003 (072413) Lab Sample ID: 200-17642-2

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG ID.: 200-17642-1

Matrix: Solid Date Sampled: 07/24/2013 13:30

Reporting Basis: WET Date Received: 07/24/2013 16:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Percent Moisture	18.3			%			1	Moisture

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TS004 (072413) Lab Sample ID: 200-17642-3

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG ID.: 200-17642-1

Matrix: Solid Date Sampled: 07/24/2013 14:30

Reporting Basis: WET Date Received: 07/24/2013 16:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Percent Moisture	14.4			%			1	Moisture

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 200-17642-3

SDG Number: 200-17642-1

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 04/01/2009 07:55

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 07/29/2013 16:51 End Date: 07/29/2013 16:51

Lab Sample Id	D/F	Type	Time	Analytes																								
				Moist																								
ZZZZZZ			16:51																									
ZZZZZZ			16:51																									
ZZZZZZ			16:51																									
200-17642-2	1	T	16:51	X																								
200-17642-3	1	T	16:51	X																								

Prep Types:
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG No.: 200-17642-1

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 07/30/2013 16:00 End Date: 07/30/2013 16:00

Lab Sample Id	D/F	Type	Time	Analytes																									
				Moist																									
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										
200-17642-2	1	T	16:00	X																									
200-17642-3	1	T	16:00	X																									
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										
ZZZZZZ			16:00																										

Prep Types:
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG No.: 200-17642-1

Batch Number: 59091 Batch Start Date: 07/29/13 16:51 Batch Analyst: Pham, Vu T

Batch Method: Moisture Batch End Date: 07/30/13 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
200-17642-E-2	TS003 (072413)	Moisture	T	4	1.00 g	8.33 g	6.99 g		
200-17642-F-3	TS004 (072413)	Moisture	T	5	1.00 g	8.98 g	7.83 g		

Batch Notes	
Balance ID	M78711
Date samples were placed in the oven	07/29/13
Oven Temp when samples are put in oven	101 Degrees C
Time samples were place in the oven	1700
Date samples were removed from oven	07/30/13
Oven Temp when samples removed from oven	100 Degrees C
Time Samples were removed from oven	1100
Oven ID	OVEN 2
ID number of the thermometer	140

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-17642-3

SDG No.: 200-17642-1

Batch Number: 59148 Batch Start Date: 07/30/13 16:00 Batch Analyst: Pham, Vu T

Batch Method: Moisture Batch End Date: 07/31/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
200-17642-D-2	TS003 (072413)	Moisture	T	3	0.98 g	8.89 g	7.45 g		
200-17642-E-3	TS004 (072413)	Moisture	T	4	1.01 g	8.97 g	7.74 g		

Batch Notes	
Balance ID	M78711 No Unit
Date samples were placed in the oven	07/30/13
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	1630
Date samples were removed from oven	07/31/13
Oven Temp when samples removed from oven	106 Degrees C
Time Samples were removed from oven	0945
Oven ID	OVEN 2
ID number of the thermometer	140
Uncorrected In Temperature	101 Celsius
Uncorrected Out Temperature	102 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Cec. #1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Kaiti Lino	Samplers Name (Printed) Tom Quinn	Site/Project Identification ARC HRDD Sites
Company ARCADIS-US	P. O. # NJ 000514.0007	State (Location of site): NJ: ☐ NY: ☐ Other:
Address 105 Fieldcrest Ave	Analysis Turnaround Time: Standard ☑	Regulatory Program:
City Edison State NJ	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone 267 685 Fax 1822		Job No:

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	TCL VOCs	TCL SVOC	TCL Pesticides	TCL PCBs	TAL Metals	EPH	Hexavalent Chromium					Sample Numbers
TS002(072413)	7/24/13	1200	Soil	8	X	X	X	X	X	X	Hold					-1
TS003(072413)	7/24/13	1330	Soil	8	X	X	X	X	X	X	Hold					-2
TS004(072413)	7/24/13	1430	Soil	8	X	X	X	X	X	X	Hold					-3
TB(072413)	7/24/13	0700	Water	2	X											-4

200-17642 COC

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions TAL/TCL by ILM/SOM Methods

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
[signature]	ARCADIS	7/24/13 1555	1) [signature]	[signature]
2) [signature]	[signature]	7/24 1640	2) [signature]	TA
3) [signature]	Test America	7/24/13 1630	3) [signature] 7/24/13 0810	TABUR
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

TRAS, 4.2/4.4 NCS

COC #2

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Kaiti Lino	Samplers Name (Printed) Tom Quinn	Site/Project Identification ARC HRDD Sites
Company ARCADIS-US	P. O. # NJ 000514.0007	State (Location of site): NJ: ☐ NY: ☐ Other:
		Regulatory Program:
Address 105 Fieldcrest Ave	Analysis Turnaround Time: Standard ☑	
City Edison State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 267 685 Fax 1822		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No:

Sample Identification	Date	Time	Matrix	No. of. Cont.	SPLP Metals	SPLP VOCs	SPLP SVOC	SPLP Pesticides	SPLP PCBs							Sample Numbers
TS002 (072413)	7/24/13	1200	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TS003 (072413)	7/24/13	1330	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TS004 (072413)	7/24/13	1430	Soil	5	HOLD	HOLD	HOLD	HOLD	HOLD							
TB (072413)	7/24/13	0700	Water	2	HOLD											

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
[signature]	ARCADIS	7/24/13 1355	1) [signature]	[signature]
2) [signature]	[signature]	7/24 1640	2) [signature]	TA
3) [signature]	Test Ag Zn	7/24/13 1630	3) [signature] 7/24/13	TABUR
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

IR#5, 4.2/4.4 res

43 LBS

1 OF 1

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

SHIP TO:
SAMPLE RECEIVING
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS EARLY A.M.

1+

TRACKING #: 1Z 083 95E 15 5949 0162

BILLING: F/C BILL RECEIVER

EAM
IN
SHIPS

42.0A 07/2013

1Z083956155949016 2

DWS ID Label

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-17642-3
SDG Number: 200-17642-1

Login Number: 17642
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-17642-3
SDG Number: 200-17642-1

Login Number: 17642
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison
List Creation: 07/26/13 04:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	4.4°C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.